

**AMERICAN SOCIETY FOR REPRODUCTIVE  
MEDICINE  
AND  
THE SOCIETY FOR REPRODUCTIVE  
ENDOCRINOLOGY AND INFERTILITY, INC.**

DIRECTORY OF FELLOWSHIP PROGRAMS  
IN  
REPRODUCTIVE ENDOCRINOLOGY AND INFERTILITY

**Fellowships Available in 2010**



# THE SOCIETY FOR REPRODUCTIVE ENDOCRINOLOGY AND INFERTILITY, INC.

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This directory is distributed by the The Society for Reproductive Endocrinology and Infertility (SREI). It contains basic facts about Fellowship Programs in the subspeciality of Reproductive Endocrinology and Infertility that are approved by the American Board of Obstetrics and Gynecology. Complete details and information may be obtained by directly contacting each program.

The SREI also offers a common application online to aid fellowship candidates who wish to apply to more than one fellowship program. Please go to the SREI Web Site at <http://www.socrei.org> to find out more about this service.

**All Fellowship candidates must contact the National Resident Matching Program, 2450 N Street NW, Washington, DC 20037-1127 or call (202) 828-0566 or visit the NRMP web site at <http://www.nrmp.org/> to participate in the matching process.**

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NEW YORK UNIVERSITY MEDICAL CENTER

James A. Grifo, M.D., Ph.D.

NORTHWESTERN UNIVERSITY

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STANFORD UNIVERSITY  
Lynn Westphal, M.D.

UNIVERSITY HOSPITALS CASE MEDICAL CENTER  
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UMDNJ-NEW JERSEY MEDICAL SCHOOL  
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Cynthia K. Sites, M.D.

UNIVERSITY OF CALIFORNIA LOS ANGELES MEDICAL CENTER  
Guatam Chaudhuri, M.D., Ph. D.

UNIVERSITY OF CALIFORNIA SAN DIEGO MEDICAL SCHOOL  
R. Jeffrey Chang, M.D.

UNIVERSITY OF CALIFORNIA SAN FRANCISCO MEDICAL SCHOOL  
Marcelle I. Cedars, M.D.

UNIVERSITY OF CINCINNATI  
Michael A. Thomas, M.D.

UNIVERSITY OF CONNECTICUT  
John C. Nulsen, M.D.

UNIVERSITY OF IOWA  
Brad Van Voorhis, M.D.

UNIVERSITY OF LOUISVILLE  
Steven T. Nakajima, M.D.

UNIVERSITY OF MICHIGAN  
John F. Randolph, Jr., M.D.

UNIVERSITY OF NORTH CAROLINA  
Marc A. Fritz, M.D.

UNIVERSITY OF PENNSYLVANIA  
Christos Courifaris, M.D., Ph.D.

UNIVERSITY OF PITTSBURGH  
Joseph S. Sanfilippo, M.D., M.B.A.

UNIVERSITY OF TEXAS HSC SAN ANTONIA  
Robert G. Brzyski, M.D., Ph.D.

UNIVERSITY OF TEXAS MEDICAL BRANCH  
John Y. Phelps, M.D.

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WASHINGTON UNIVERSITY  
Kelle H. Moley, M.D.

WAYNE STATE UNIVERSITY  
Michael P. Diamond, M.D.

YALE UNIVERSITY SCHOOL OF MEDICINE  
Hugh S. Taylor, M.D.

# Albert Einstein College of Medicine

<b>Program Director:</b> Nanette Santoro, M.D. <b>Associate Director:</b> Staci Pollack, M.D. <b>Mailing Address:</b> Albert Einstein College of Medicine 1300 Morris Park Avenue, Mazer 316 Bronx, NY 10461 <b>Telephone:</b> (718) 430-3152 <b>FAX:</b> (718) 430-8586 <b>Email:</b> <a href="mailto:knickens66@yahoo.com">knickens66yahoo.com</a> ; pollack@aecom.yu.edu <b>Website:</b>	<b>2010 1st yr positions</b> <span style="float: right;"><b>2</b></span>  <b>Most recent year of Program Certification (Recertification)</b> <span style="float: right;"><b>2003</b></span>
<b>FACULTY APPOINTMENT</b>	
<b>1st year:</b> Instructor <b>2nd year:</b> Instructor <b>3rd year:</b> Instructor	

<b>Program Length:</b> 3 years	<b>Fellowship Application</b>
<b>3 yr conversion start date:</b> 1998	<b>Deadline:</b> 1-Jul-09
<b>Prerequisites:</b> ABOG approved OB/GYN residency	
<b>Salary 1st Ye</b> \$61,800	
<b>Number of fellows trained within the past 5 years</b>	13 graduated ( 1st fellow graduated 2002)
<b>How many of them are currently in academic positions?</b>	5

<b>PROGRAM DESCRIPTION</b>	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b><u>Research Time</u></b>			
Total Research time	20%	80%	75%
Clinical	<u>100%</u>	<u>20% Varies on</u>	<u>Varies on</u>
Laboratory	<u>0</u>	<u>80% project</u>	<u>project</u>
<b><u>Direct Patient Care</u></b>			
Total Clinical Time	80%	20%	25%
Endocrine	<u>40%</u>	<u>0%</u>	40%
Infertility	<u>55%</u>	<u>60%</u>	60%
Obstetrics/Gynecology	<u>5%</u>	<u>40%</u>	0%
<b><u>Surgical Procedures</u></b>			
<b>Diagnostic/Operative</b>			
Laparoscopies	<u>25</u>	<u>10</u>	10
Hysteroscopies	<u>50</u>	<u>5</u>	10
Assisted Reproduction	75	15	15
Laparotomies	<u>9</u>	<u>2</u>	2

<b>GRADUATE LEVEL COURSES</b>			
Mandatory (M), Recommended (R), Offered (O)			
	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
Statistics/Epidemiology	M		
Research Methodology			
Genetics/Molecular Biology	M		
Other Basic !(Statistics computer lab)	O	O	O
Other Clinical Course			

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## Albert Einstein College of Medicine

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### FACULTY

\* = Full Time

\*\* = Other

#### Reproductive Endocrinology/Infertility

\*Nanette Santoro, M.D.  
\*Staci Pollack, M.D.  
\*Edward Illions, M.D.  
\*Harry Lieman, M.D.  
\*BrianCohen, M.D.  
\*Alex Polotsky, M.D.  
\*Genevieve Neal-Perry, M.D., Ph.D.  
\*Ruth Freeman, M.D.  
\*Jeff Pollard Ph.D.  
\*Anne Etgen, Ph.D.  
\*Tom Meier, Ph.D.  
\*Maureen Charron, Ph.D.  
\*\*Judi Chervenak, M.D.  
\*\*Christina Veit, M.D.

#### Areas of Special Interest

Perimenopause, Menopause, PCOS,  
Neuroendocrinology  
Pediatric/Adolescent, Ovarian Failure, PCOS  
Reproductive Surgery, Fertility Preservation  
IVF, PCOS  
Menopause  
Bone Density, Obesity, Endometrial Physiology  
Neuroendocrinology  
Menopause, Bone Density  
Cytokines and Reproduction  
Neuroendocrinology  
Implantation, Nucleolar channel system  
Glucose Transporters and Implantation  
Perimenopause, Menopause, Alternative Medicine, HRT  
Clinical REI

#### **BRIEF DESCRIPTION OF PROGRAM WITH TEACHING ACTIVITIES DISCUSSED**

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The Albert Einstein College of Medicine (AECOM)'s Fellowship in Reproductive Endocrinology is dedicated to providing comprehensive training designed to equip Fellows for a career in academic medicine or clinical practice. The Fellowship training program emphasizes excellence in research. Dr. Nanette Santoro, Fellowship Director, and Dr. Staci Pollack, Associate Director, personally supervise fellows in two-hour weekly didactic meetings throughout the course of the Program. Research work in progress seminars are held with clinical and research faculty throughout the year. Coursework in Statistics and Genetics are provided, including a computer based statistical course utilizing STATA. A full-service Reproductive Endocrine practice is located at Montefiore's Institute for Reproductive Medicine & Health, which performs over 350 ART cycles per year. Skills in advanced complex laparoscopy, tubal reanastomosis and other fertility surgery will be acquired in the first Fellowship year. Second year Fellows will focus primarily on research. Seven faculty members are funded by the National Institutes of Health or other sources within their areas of interest. Basic science or clinical research thesis accomplishments are emphasized in Year 2. Graduated, progressive responsibility is acquired by Fellows such that by the 3rd year, they will be expected to be able to function at the level of an Attending Physician. Year 3 Fellows direct clinics, supervise residents and junior Fellows and complete their surgical case list acquisition and thesis work.

# BETH ISRAEL DEACONESS MEDICAL CENTER

<b>Program Director:</b> Alan S. Penzias, M.D. <b>Mailing Address:</b> Beth Israel Deaconess Medical Ctr. 330 Brookline Avenue, KS-322 Boston, MA 02215 <b>Telephone:</b> (617)-667-1862 <b>FAX:</b> (617)-975-5575 <b>Email:</b> <a href="mailto:apenzias@bidmc.harvard.edu">apenzias@bidmc.harvard.edu</a> <a href="mailto:lhines@bidmc.harvard.edu">lhines@bidmc.harvard.edu</a> <b>Website:</b> <a href="http://www.bidmc.harvard.edu/obgyn">www.bidmc.harvard.edu/obgyn</a>	<b>2010 1st year position:</b> 1 <b>Most recent year of Program Certification (Recertification)</b> 2006 <hr/> <b>FACULTY APPOINTMENT</b> <b>1st year:</b> Clinical Fellow <b>2nd year:</b> Clinical Fellow <b>3rd year:</b> Clinical Fellow
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<b>Program Length:</b> 3 years	<b>3 yr conversion start date:</b> N/A	<b>Fellowship Application Deadline:</b> Jun-30
<b>Prerequisites:</b> ABOG approved residency	<b>Salary 1st Year:</b> \$63,601.55	
<b>Number of fellows trained within the past 5 years</b>	<b>5</b>	
<b>How many of them are currently in academic positions:</b>	<b>4</b>	

<b>PROGRAM DESCRIPTION</b>	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b><u>Research Time</u></b>			
Total Research time	90%	50%	25%
Clinical	5%	50%	75%
Laboratory	95%	50%	25%
<b><u>Direct Patient Care</u></b>			
Total Clinical Time	10%	50%	75%
Endocrine	30%	40%	30%
Infertility	70%	60%	70%
Obstetrics/Gynecology	0	0	0
<b><u>Surgical Procedures</u></b>			
<b>Diagnostic/Operative</b>			
Laparoscopies	5	25	40
Hysteroscopies	5	30	60
Assisted Reproduction	100	200	300
Laparotomies	0	5	15

<b>GRADUATE LEVEL COURSES</b>			
Mandatory (M), Recommended (R), Offered (O)	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
Harvard Medical School			
Statistics/Epidemiology		M	
Research Methodology	O	O	O
Genetics/Molecular Biology		R	
Other Basic Science	O	O	O
Other Clinical Course	O	O	O

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## BETH ISRAEL DEACONESS MEDICAL CENTER

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### FACULTY

\* = Full Time

\*\* = Other

#### Reproductive Endocrinology/Infertility

Michael Alper, MD	*
Brent Barrett, PhD	*
Steven Bayer, MD	*
Brian Berger, MD	*
Kevin Eggan, PhD	**
Michele Hacker, ScD, MSPH	*
Ingrid Holm, MD	**
Rebecca Holmes, PhD	*
Hye-Chun Hur, MD	*
Keith Isaacson, MD	**
Stephanie Morris, MD	**
Robert Oates, MD	**
Selwyn Oskowitz, MD	*
Johanna Pallotta, MD	**
Alan Penzias, MD	*
Harold Rosen, MD	**
David Ryley, MD	*
Sheila Shivers	*
Norman Spack, MD	**
Kim Thornton, MD	*
Anny Usheva, PhD	*
Joseph Wolfsdorf, MD	**
Alison Zimon, MD	*

#### Areas of Special Interest

Infertility; Quality Assessment/Improvement in ART  
 Embryology, Gametogenesis  
 Infertility, ART, Risk Management  
 Ovum Donation, Gestational Carrier IVF  
 Stem Cell Research, Cellular Reprogramming  
 Reproductive Epidemiology  
 Genetic Counseling; Medical Genetics  
 Embryology, Epigenetics  
 Advanced Minimally Invasive Gynecologic Surgery;  
 Office Hysteroscopy  
 Advanced Minimally Invasive Gynecologic Surgery  
 Advanced Minimally Invasive Gynecologic Surgery  
 Surgical and Medical Management of Male Factor Infertility  
 Infertility Treatment of the Older patient and poor responde  
 Medical Endocrinology, Thyroid Disease  
 ART, PCOS, Ovarian Physiology, Outcomes Oriented  
 Research  
 Metabolic Bone Disease  
 Fertility Preservation in Cancer Patients  
 Ultrasonography  
 Pediatric and Adolescent Endocrinology  
 Surgical Infertility Treatment; Preimplantation Genetic  
 Diagnosis  
 Molecular Mechanisms of Reproductive Function  
 Pediatric and Adolescent Endocrinology  
 Clinical Fertility; PCOS

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#### BRIEF DESCRIPTION OF PROGRAM WITH TEACHING ACTIVITIES DISCUSSED

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The fellowship in Reproductive Endocrinology and Infertility is a three-year program that provides the fellow a protected basic research experience and a well rounded clinical experience with exposure to all aspects of reproductive endocrinology and infertility. The first 18 months are devoted primarily to basic science research in the molecular aspects of reproduction. Numerous other opportunities exist within the Harvard system for this basic research. During the protected research time, one session a week is spent in a well-rounded RE clinical setting in a very high volume ART program. The last 18 months are devoted primarily to the clinical experience with additional research time allotted. All aspects of reproductive endocrinology are represented, including pediatric & adolescent endocrinology, medical endocrinology, bone metabolism, male & female infertility and Minimally Invasive Surgery. During the last 6 months, 30% of the time is available for outcomes oriented research or to return to the basic laboratory. The fellow spends one weekend monthly performing ART procedures in all three years. Conferences include: Weekly RE case conference, Directors rounds and Chapter Review. Monthly lab research conference; RE lecture series (extramural and intramural speakers), IVF QA Rounds, RE grand rounds, and journal club. The Beth Israel Deaconess Medical Center is a major teaching hospital of Harvard Medical School and all fellows receive a Harvard faculty appointment.

# BRIGHAM AND WOMEN'S HOSPITAL

<b>Program Director:</b> Mark D. Hornstein, M.D. <b>Mailing Address:</b> Brigham and Women's Hospital Department of Ob/Gyn 75 Francis Street Boston, MA 02115  <b>Telephone:</b> (617) 732-4648 <b>FAX:</b> (617) 566-7752 <b>Email:</b> <a href="mailto:mhornstein@partners.org">mhornstein@partners.org</a> <b>Website:</b>	<b>2010 1st yr positions</b> <span style="float: right;"><b>2</b></span> <b>Most recent year of Program Certification</b> <span style="float: right;"><b>1995</b></span> <b>(Recertification)</b> <span style="float: right;"><b>2002, 2007</b></span>
	<b>FACULTY APPOINTMENT</b> <b>1st year:</b> Clinical Fellow <b>2nd year:</b> Clinical Fellow <b>3rd year:</b> Clinical Fellow

<b>Program Length:</b> 3 years		<b>Fellowship Application</b>
<b>3 yr conversion start date:</b> 7/1/1997		<b>Deadline:</b> Jul-1
<b>Prerequisites:</b> Ob/Gyn Residency		
<b>Salary 1st Year:</b> \$60,617.00		
<b>Number of fellows trained within the past 5 years</b>	<b>7</b>	
<b>How many of them are currently in academic positions?</b>	<b>6</b>	

PROGRAM DESCRIPTION	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year*</u>
<b><u>Research Time</u></b>			
Total Research time	25%	50%	75%*
Clinical	<u>25%</u>	<u>50%</u>	<u>25%</u>
Laboratory	<u>0%</u>	<u>50%</u>	<u>75%</u>
*1 Fellow has T-32 Grant; 100% Laboratory Time, Clinical Represents weekends and evening calls.			
<b><u>Direct Patient Care</u></b>			
Total Clinical Time	75%	50%	25%*
Endocrine	<u>25%</u>	<u>20%</u>	<u>10%</u>
Infertility	<u>75%</u>	<u>80%</u>	<u>90%</u>
Obstetrics/Gynecology	<u>0%</u>	<u>0%</u>	<u>0%</u>
<b><u>Surgical Procedures</u></b>			
<b>Diagnostic/Operative</b>			
Laparoscopies	<u>106</u>	<u>60</u>	<u>75</u>
Hysteroscopies	<u>29</u>	<u>22</u>	<u>16</u>
Assisted Reproduction	<u>110</u>	<u>351</u>	<u>320</u>
Laparotomies	<u>20</u>	<u>6</u>	<u>13</u>

GRADUATE LEVEL COURSES			
Mandatory (M), Recommended (R), Offered (O)			
	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
Statistics/Epidemiology	M		
Research Methodology	O	R	R
Genetics/Molecular Biology	O	R	O
Other Basic Science	O	O	O
Other Clinical Course	O	O	R

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# BRIGHAM AND WOMEN'S HOSPITAL

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## FACULTY

\* = Full Time

\*\* = Other

### Reproductive Endocrinology/Infertility

### Areas of Special Interest

*Raymond M. Anchan, M.D., Ph.D.	Embryonic Stem Cells, Organ Regeneration, Diabetes/Insulin Resistance, PCO
*Rachel K. Ashby, M.D.	ART, Infertility
*Robert L. Barbieri, M.D.	Endometriosis, Hyperandrogenism, Endocrinology
*Janis H. Fox, M.D.	Ovum Donation, ART, Infertility, Pelviscopy
*Antonio R. Gargiulo, M.D.	ART, Infertility
*Elizabeth S. Ginsburg, M.D.	ART, Infertility
*Mark D. Hornstein, M.D.	Endometriosis, ART, Infertility, Pelviscopy
*Mark R. Laufer, M.D.	Pediatric & Adolescent Gynecology, Endocrinology, Pelviscopy
*Mitchell S. Rein, M.D.	ART, Infertility
*Serene S. Srouji, M.D.	Infertility, PCOS. Pelviscopy, Fibroids
*Brian W. Walsh, M.D.	Pelviscopy, Operative Hysteroscopy, ART, Infertility
*Elena H. Yanushpolsky, M.D.	ART, Infertility
**Carol B. Benson, M.D.	Reproductive Ultrasound
**Daniel W. Cramer, Sc.D., M.D.	Epidemiology
**Robert G. Dluhy, M.D.	Medical Endocrine
**Janet E. Hall, M.D.	Medical and Reproductive Endocrine Disorders of Pituitary Function, Neuroendocrinology, Hypogonadism
**Ursula B. Kaiser, M.D.	Hypogonadism
**Richard L. Maas, M.D., Ph.D.	Genetics, Stem Cells
**Stacey A. Missmer, Sc.D.	Reproductive Epidemiology
**Cynthia C. Morton, Ph.D.	Cyto-and Molecular Genetics
**George L. Mutter, M.D.	Andrology
**Michael P. O'Leary, M.D., MPH	Male Infertility, Impotence
**Catherine Racowsky, Ph.D.	Embryology
**Joaquin Santolaya, M.D., Ph.D.	Medical Genetics
**Joseph I. Wolfsdorf, M.B., B.Ch.	Pediatric Endocrine

### **BRIEF DESCRIPTION OF PROGRAM WITH TEACHING ACTIVITIES DISCUSSED**

The Reproductive Endocrinology Fellowship is a three-year program integrating clinical, laboratory, and research experiences. It is designed for individuals interested in pursuing academic careers. The Fellowship is a large, diverse, and balanced program with 12 clinical (M.D.) faculty and 13 research faculty (Ph.D. or M.D.) actively involved in basic laboratory projects. Fellows rotate through "specialty" clinics, including medical endocrinology, pediatric gynecology, and pediatric endocrinology. Fellows participate actively in all assisted reproductive technology procedures and reproductive surgeries. Brigham and Women's Hospital is a major teaching hospital of Harvard Medical School.

## Brown University/Women and Infants Hospital

<b>Program Director:</b> Sandra Ann Carson, MD <b>Mailing Address:</b> Div. of Reproductive Endocrinology & Infertility Warren Alpert School of Medicine at Brown University 101 Dudley Street Providence, RI 02905 <b>Telephone:</b> (401) 274-1122 ext. 8167 <b>FAX:</b> (401) 276-7845 <b>Email:</b> <a href="mailto:scarson@wihri.org">scarson@wihri.org</a> <a href="mailto:Squential@wihri.org">Squential@wihri.org</a> <b>Website:</b> <a href="http://www.ivfri.org">http://www.ivfri.org</a>	<b>2010 1st yr position(s)</b> <span style="float: right;"><b>0</b></span>  <b>Most recent year of Program Certification (Recertification)</b> <span style="float: right;"><b>2007</b></span>
<b>FACULTY APPOINTMENT</b> <b>1st year:</b> Clinical Fellow <b>2nd year:</b> Clinical Fellow <b>3rd year:</b> Clinical Fellow	

<b>Program Length:</b> 3 years <b>3 yr conversion start date:</b> N/A <b>Prerequisites:</b> ABOG-approved residency program graduate	<b>Fellowship Application</b> <b>Deadline:</b> July 31, 2010 for 2011; no fellows being accepted for 2010
<b>Salary 1st Year:</b> PGY 5-7 scale plus stipend for conferences, memberships, and educational materials	
<b>Number of fellows trained within the past 5 years</b>	1 graduate, 2 currently in training
<b>How many of them are currently in academic p</b> N/A	1

PROGRAM DESCRIPTION	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b><u>Research Time</u></b>			
<b>Total Research time</b>			
Clinical	80%	35%	20%
Laboratory	20%	65%	80%
<b><u>Direct Patient Care</u></b>			
<b>Total Clinical Time</b>			
Endocrine	25%	25%	50%
Infertility	75%	75%	50%
Obstetrics/Gynecology	0%	0%	0%
<b><u>Surgical Procedures</u></b>			
<b>Diagnostic/Operative</b>			
Laparoscopies	60	30	10
Hysteroscopies	60	30	25
<b>Assisted Reproduction</b>	50	20	10
<b>Laparotomies</b>	40	15	0

GRADUATE LEVEL COURSES			
Mandatory (M), Recommended (R), Offered (O)			
	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
Statistics/Epidemiology	M		
Research Methodology	M		
Genetics/Molecular Biology		O	O
Other Basic Science		O	O
Fellows' Workshop in teaching skills		M	

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## Brown University/Women and Infants Hospital

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### FACULTY

\* = Full Time

\*\* = Other

#### Reproductive Endocrinology/Infertility

#### Areas of Special Interest

\*Sandra Ann Carson, M.D.  
Professor and Director

Assisted reproductive technology,  
Molecular Endocrinology

\*Gary Frishman, M.D.  
Professor

Laparoscopy, hysteroscopy, adhesior  
formations, effects of various energy  
delivery sources including lasers and  
electrocautery,

\*Balasubramanian Bhagavath, M.D.  
Clinical Assistant Professor

Oocyte donation, Premature ovarian  
failure, Mullerian anomalies, Fertility  
preservation

\*Andrew Blazar, M.D.  
Clinical Associate Professor

Diagnosis and management of infertility,  
In vitro fertilization and Hormone  
replacement therapy

\*John E. Buster, M.D.  
Professor

Assisted reproductive technology,  
Androgen physiology, Menopause

\*Beth Plante, MD  
Clinical Assistant Professor

Clinical reproductive endocrinology,  
reproductive aging

\*Kelly Pagidas, M.D.  
Assistant Professor

Pre-implantation genetic diagnostics,  
Ovarian physiology

\*Jared Robins, M.D.  
Assistant Professor

Molecular mechanisms of implantation, In  
vitro maturation, Cryogenics and Embryo  
development

\*Carol Wheeler, M.D.  
Clinical Associate Professor

In vitro fertilization outcomes,  
Endometriosis and Menopause

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#### BRIEF DESCRIPTION OF PROGRAM WITH TEACHING ACTIVITIES DISCUSSED

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The fellowship in Reproductive Endocrinology at the Warren Alpert School of Medicine at Brown University is designed to train academic physicians for academic faculty. The program provides broad clinical training in reproductive medicine, research exposure in reproductive biology and the development of teaching skills. The major site of education is in Women and Infants Hospital of Rhode Island with a satellite facility in Tufts New England Medical Center in Boston, Massachusetts. Fellows rotate through other services in Rhode Island Hospital and Hasbro Children's Hospital. The fellowship is a three-year program with the expectation that graduates will become BIRCWH, WRHR or RSDP scholars following fellowship. The last half of the fellowship includes application to these programs or other NIH K-level mentored research programs. An application will be prepared in December of the third year. Fellows will be expected to become leaders as academic faculty.

# COLUMBIA UNIVERISTY

**Program Director:** Rogerio A. Lobo, M.D.  
**Mailing Address:** Columbia University Medical Center  
 Department of Ob/Gyn, PH1165W  
 622 West 168 Street  
 New York, NY 10032  
**Telephone:** (212) 305-6337  
**FAX:** (212) 305-4326  
**Email:** [ral35@columbia.edu](mailto:ral35@columbia.edu)  
**Website:** <http://www.columbiaob/gyn.org>

**2010 1st yr positions** 1  
**Most recent year of Program Certification (Recertification)** 2007

**FACULTY APPOINTMENT**  
**1st year:** PostDoc Clinical Fellow  
**2nd year:** PostDoc Clinical Fellow  
**3rd year:** PostDoc Clinical Fellow

**Program Length:** 3 years  
**3 yr conversion start date:** 7/1/1997  
**Prerequisites:** US Ob/Gyn Residency/NY License  
**Salary 1st Year:** \$58,051.00  
**Fellowship Application Deadline:** Jul-1

**Number of fellows trained within the past 5 years** 5  
**How many of them are currently in academic positions?** 3

## PROGRAM DESCRIPTION

	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b><u>Research Time</u></b>			
<b>Total Research time</b>			
Clinical	<u>90%</u>	<u>50%</u>	<u>20%</u>
Laboratory	<u>10%</u>	<u>50%</u>	<u>80%</u>
<b><u>Direct Patient Care</u></b>			
<b>Total Clinical Time</b>			
Endocrine	<u>40%</u>	<u>10%</u>	<u>10%</u>
Infertility	<u>55%</u>	<u>85%</u>	<u>90%</u>
Obstetrics/Gynecology	<u>5%</u>	<u>5%</u>	<u>0%</u>
<b><u>Surgical Procedures</u></b>			
<b>Diagnostic/Operative</b>			
Laparoscopies	<u>70</u>	<u>40</u>	<u>70</u>
Hysteroscopies	<u>130</u>	<u>80</u>	<u>25</u>
<b>Assisted Reproduction</b>	<u>260</u>	<u>185</u>	<u>40</u>
<b>Laparotomies</b>	<u>40</u>	<u>30</u>	<u>40</u>

## GRADUATE LEVEL COURSES

Mandatory (M), Recommended (R), Offered (O)

	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b>Statistics/Epidemiology</b>		M	
<b>Research Methodology</b>			
<b>Genetics/Molecular Biology</b>		O	O
<b>Other Basic Science</b>		O	O
<b>Other Clinical Course</b>		O	O

# COLUMBIA UNIVERSITY

## Faculty

\*= Full Time

\*\*= Other

### Reproductive Endocrinology/Infertility

### Areas of Special Interest

\*Janet Choi, M.D.  
\*Michel Ferin, M.D.  
\*\*Harry Fisch, M.D.  
\*Michael Guarnaccia, M.D.  
\*Jan Kitajewski, Ph.D.  
\*Rogerio A. Lobo, M.D.

Assisted Reproduction, celiac/disease, Oncofertility  
Primate Neuroendocrinology, assay lab  
Male infertility  
Assisted reproduction, PGD  
Wnt Gene expression, Angiogenesis  
Reproductive Endocrinology,  
Infertility, oncofertility, hyperandrogenism,  
PCOS, Menopause, Cardiovascular Risk  
factors  
REI, egg donation, embryology, MIS  
ART, egg donation  
Infertility, PCOS  
Structural studies of the  
gonadotropins and their receptors  
Pediatric Endocrinology  
Assisted Reproduction, oocyte and  
Embryo donation, HIV and  
reproduction, oncofertility, stem cells  
Medical endocrinology, CRH, and  
Endogenous opioids and the  
reproductive system  
Menopause, eating disorders  
Psychoneuroendocrinology, ovarian  
Pathophysiology, Wnt gene expression  
OHSS, angiogenesis  
Egg donation, adhesion prevention  
Andrology, embryology

\*Gary Nakhuda, M.D.  
\*Susanna Park, M.D.  
\*Jeff Wang, M.D.  
\*Joyce Lustbader, Ph.D.

\*Sharon Oberfield, M.D.  
\*Mark V. Sauer, M.D.

\*Sharon Wardlaw, M.D.

\*\*Michelle P. Warren, M.D.  
\*Ralf C. Zimmermann, M.D.

\*Melvin Thornton, M.D.  
\*Kibong Ohm, Ph.D.

### **BRIEF DESCRIPTION OF PROGRAM WITH TEACHING ACTIVITIES DISCUSSED**

This is a three-year Fellowship program designed to train individuals in academic reproductive endocrinology. The first year is assigned to the Clinical Service where he/she receives an extensive, supervised experience in the full range of clinical problems in reproductive endocrinology and infertility. The fellow derives much of his/her clinical experience in our clinics of Reproductive Endocrinology and Infertility, Medical Endocrinology and Pediatric Endocrinology. There is an active surgical service with a full range of procedures, including microsurgery and advanced endoscopy. The fellows actively participate in our IVF program both in the first and second year of the program. The entire second half of the second year and the third year is devoted to laboratory and/or clinical research. This time is protected from clinical responsibilities. There exists an extensive network of experienced researchers in Reproductive Medicine at Columbia University, both at the Ph.D. and M.D. level. Under the direction of these laboratory researchers, the fellow will complete his/her research thesis. A structured review of the core curriculum and a wide range of lectures and seminars in topics of reproductive medicine pertinent to our field are available throughout all three years. For further information on this Program, please go to the Columbia University website, Dept. of OB/GYN, Infertility Division..

# CORNELL UNIVERSITY- WEILL CORNELL MEDICAL CENTER

<b>Program Director:</b> Zev Rosenwaks, M.D. <b>Mailing Address:</b> The Center for Reproductive Medicine and Infertility (recently named the Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine 1305 York Avenue, New York, NY 10021 <b>Telephone:</b> (646) 962-3745 <b>FAX:</b> (646) 962-0392 <b>Email:</b> <a href="mailto:zrosenw@med.cornell.edu">zrosenw@med.cornell.edu</a> ; <a href="mailto:hchicket@med.cornell.edu">hchicket@med.cornell.edu</a> <b>Website:</b> <a href="http://www.ivf.org">http://www.ivf.org</a>	<b>2010 1st yr positions</b> 2 <b>Most recent year of Program Certification (Recertification)</b> 2007 <b>FACULTY APPOINTMENT</b> <b>1st year:</b> Fellow in OB/GYN <b>2nd year:</b> Fellow in OB/GYN <b>3rd year:</b> Fellow in OB/GYN																																																																
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# CORNELL UNIVERSITY- WEILL CORNELL MEDICAL CENTER

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## FACULTY

\* = Full Time

\*\* = Other

### Reproductive Endocrinology/Infertility

### Areas of Special Interest

\*Ina Cholst, M.D.

\*Pak Chung, M.D.

\*Owen Davis, M.D.

\*Dan Goldschlag, M.D.

\*Hey-Joo Kang, M.D.

\*Isaac Kligman, M.D.

\*Zev Rosenwaks, M.D.

\*Katherine Schoyer, M.D.

\*Glenn Schattman, M.D.

\*Steven Spandorfer, M.D.

\*\*J. Michael Bedford, Ph.D., D.V.M.

\*\*Marc Goldstein, M.D.

\*\*Julianne Imperato-McGinley, M.D.

\*\*Hung-Ching Liu, Ph.D.

\*\*Roger Gosden, Ph.D.

\*\*Peter Schlegel, M.D.

\*\*Brij Saxena, M.D.

\*\*Lucinda Veeck-Gosden, D.Sc.

\*\*Steven Witkin, Ph.D.

\*\*Kangpu Xu, Ph.D., D.V.M.

\*\*Maria G. Vogiatzi, M.D.

Embryology, preimplantation genetic diagnosis, molecular genetics, in vitro fertilization, adrenal hyperplasia, disorders of sexual development, laparoscopic and laser surgery, embryo implantation and infertility, reproductive biology, contraception, fertilization, semen physiology, micromanipulation, reproductive endocrinology, uterine physiology, reproductive immunology, pediatric endocrinology, medical endocrinology, reproductive urology, ovarian cryopreservation

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## BRIEF DESCRIPTION OF PROGRAM WITH TEACHING ACTIVITIES DISCUSSED

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The Division of Reproductive Endocrinology and Infertility in the Department of Obstetrics and Gynecology, designated as the Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine at the New York Presbyterian Hospital-Weill Cornell Medical Center, is geared to provide post-graduate training in clinical and laboratory aspects of Reproductive Endocrinology and Infertility.

Training in reproductive disorders and tubal reconstruction, as well as correction of congenital anomalies of the reproductive tract, is complemented by a comprehensive program of basic and clinical research. The program includes a broad experience in the newest reproductive techniques, embryology and molecular genetics. An interdisciplinary faculty provides a rich scientific and clinical environment with a wide variety of special interests including, but not limited to, preimplantation genetic diagnosis, genetic analysis of spermatozoa and immature spermatids, studies on mechanisms of fertilization and early embryonic development, investigation of various endocrinopathies, such as 5 alpha-reductase deficiency, adrenal hyperplasia and polycystic ovary disease.

The following narrative outlines the three-year course of intensive instruction in Reproductive Endocrinology and Infertility. Year 1 consists primarily of clinical exposure (70%) with 30% effort devoted to laboratory and clinical investigation. Year 2 is devoted to basic laboratory and clinical investigation (40%) with 60% effort in clinical reproductive endocrinology. Year 3 consists of 80% basic and clinical investigation and 20% clinical reproductive endocrinology.

## Duke University

<b>Program Director:</b> Thomas M. Price, MD <b>Mailing Address:</b> 5704 Fayetteville Road Durham, NC 27713  <b>Telephone:</b> 919-572-4669 <b>FAX:</b> 919-484-0461 <b>Email:</b> price067@mc.duke.edu <b>Website:</b> http://fertility.mc.duke.edu/	<b>2010 1st yr positions</b> 1 <b>Most recent year of Program Certification (Recertification)</b> 2005  <b>FACULTY APPOINTMENT</b> <b>1st year:</b> Associate <b>2nd year:</b> Associate <b>3rd year:</b> Associate
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<b>Program Length:</b>	3 years.
<b>3 yr conversion start date:</b>	NA
<b>Prerequisites:</b>	approved Ob/Gyn residency
<b>Salary 1st Year:</b>	\$55,199 (2009-10)
<b>Number of fellows trained within the past 5 years</b>	<b>5</b>
<b>How many of them are currently in academic positions?</b>	<b>2</b>

PROGRAM DESCRIPTION	18 months clinical	18 months laboratory
<b><u>Research Time</u></b>		
Total Research time	<u>10%</u>	<u>98%</u>
Clinical	<u>60%</u>	<u>10%</u>
Laboratory	<u>40%</u>	<u>90%</u>
<b><u>Direct Patient Care</u></b>		
Total Clinical Time	<u>90%</u>	<u>2%</u>
Endocrine	<u>15%</u>	<u>1%</u>
Infertility	<u>80%</u>	<u>1%</u>
Obstetrics/Gynecology	<u>5%</u>	<u>0%</u>
<b><u>Surgical Procedures</u></b>		
Diagnostic/Operative	-	
Laparoscopies	<u>80</u>	<u>0</u>
Hysteroscopies	<u>100</u>	<u>0</u>
Assisted Reproduction	<u>150</u>	<u>0</u>
Laparotomies	<u>40</u>	<u>0</u>

	Mandatory (M)	Recommended (R)	Offered (O)
	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
Statistics/Epidemiology		M	
Research Methodology	Courses are taken during the		O
Genetics/Molecular Biolog	18 months of protected		M
Other Basic Science	research time		O
Other Clinical Course		O	

# Duke University

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## FACULTY

\* = Full Time

\*\* = Other

### Reproductive Endocrinology/Infertility

- \*Millie A. Behera, MD
- \*Susannah D. Copland, MD
- \* Thomas M. Price, MD
- \* David K. Walmer, MD, PhD

### Areas of Special Interest

Pathogenesis and non-surgical treatment of leiomyomata  
Ovarian preservation

Thyroid dysfunction and infertility  
ART  
Ovulation induction, Oocyte donation,  
Reproduction & the environment

### Research Faculty

- \* David Katz, PhD
- \* Phyllis Leppert, MD
- \* Thomas M. Price, MD
- \* Douglas Raburn, PhD
- \* David M. Schomberg, PhD

Cervical mucous and vaginal gels

Pathophysiology of leiomyomas

Non-genomic progesterone receptors

IVF & andrology

Mechanisms of Gonadotropin Action  
Folliculogenesis

### Other Clinical Faculty

- \* Ann Brown, MD
- \* Michael Freemark, MD, PhD
- \* Nancy Friedman, MD
- \* Thomas Weber, MD
- \* Craig Donatucci, MD

Medical Endocrinology  
Pediatric Endocrinology  
Pediatric Endocrinology  
Medical Endocrinology, Andrology  
Urology

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## BRIEF DESCRIPTION OF PROGRAM WITH TEACHING ACTIVITIES DISCUSSED

This fellowship is designed to provide the clinical and investigative skills to pursue an academic career in reproductive endocrinology and infertility. This includes reproductive surgery, endoscopic reconstructive surgery, assisted reproductive technology (~260 IVF cycles/year), andrology, pediatric endocrinology and medical endocrinology. The fellowship is divided into 18 months of clinical experience and 18 months in the laboratory, which includes some combination of research and IVF laboratory experience. A diversity of endocrine and infertility patients are seen. Two graduate level courses are taken during the 18 months of protected laboratory time, a course in biostatistics and one in molecular biology. Fellows participate in joint conferences with the divisions of Pediatric and Medical Endocrinology. A wide variety of investigative projects are ongoing with fellows at Duke in areas of estrogen and progesterone action, reproductive immunology, gamete biology, gonadotropin signaling, etc. Further information is available upon request. We currently plan to maintain a complement of 3 fellows and will be interviewing to accept our next fellow to start July 1, 2009.

## EASTERN VIRGINIA MEDICAL CENTER

<b>Program Director:</b> David F. Archer, MD <b>Mailing Address:</b> The Jones Institute for Reprod Med 601 Colley Avenue Norfolk, VA 23507 <b>Telephone:</b> (757) 446-7444 <b>FAX:</b> (757) 446-8998 <b>Email:</b> archerdf@evms.edu <b>Website:</b> www.jonesinstitute.org	<b>2010 1st yr positions</b> 1 <b>Most recent year of Program Certification (Recertification)</b> 2005 <b>FACULTY APPOINTMENT</b> <b>1st year:</b> <b>2nd year:</b> <b>3rd year:</b>																																																																
<b>Program Length:</b> 3 years <b>3 yr conversion start date:</b> 07/01/97 <b>Prerequisites:</b> OB/GYN Board Certified <b>Salary 1st Year:</b> \$51,969.00	<b>Fellowship Application Deadline:</b> 5/31/2008  <b>Number of fellows trained within the past 5 years</b> 6 <b>How many of them are currently in academic positions?</b> 3																																																																
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# EASTERN VIRGINIA MEDICAL CENTER

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## FACULTY

\* = Full Time

\*\* = Other

### Reproductive Endocrinology/Infertility

\*Alfred Abuhamad, MD  
\*David F. Archer, MD  
\*Silvina Bocca, MD, PhD  
\*Howard W. Jones, MD  
\*Sergio Oehninger, MD, PhD  
\*Laurel Stadtmauer, MD

\*Reubin Rohn, M.D.  
\*Donald Richardson, M.D.  
\*Susan Gitlin, PhD  
\*Mahmood Morshedi, PhD  
\*James Swanson, PhD  
\*Jacob Mayer, PhD  
\*\*John Leete, PhD  
\*Gustavo Doncel, MD, PhD  
\*Andrei Zalensky, PhD

### Areas of Special Interest

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## **BRIEF DESCRIPTION OF PROGRAM WITH TEACHING ACTIVITIES DISCUSSED**

The strength of the fellowship is in the numbers of reproductive endocrinologists and reproductive scientists in the department. The nine clinicians in reproductive medicine with diversified interests provide a broad spectrum of clinical skills. Weekly staff conferences are held consisting of chart reviews of interesting patients, literature review, lectures on special aspects of reproductive physiology by the faculty, clinical application by presentations by second-year fellows and review of IVF stimulation cycles. The research unit provides teaching and research opportunities which are enhanced by a large IVF program and its associated donor egg program. New techniques of embryo biopsy, genetic diagnosis and micromanipulation techniques have kept this unit in the forefront. Patients presenting for treatment have unique male and female infertility and reproductive problems. The special interests of our reproductive surgeons and microsurgical lab furnish an enhanced experience in reproductive surgery, as well as in developmental defects of the reproductive tract and genitalia. Rotations in adult and pediatric endocrinology augment a stimulating clinical experience.

# EMORY UNIVERSITY

**Program Director:** Robert N. Taylor, MD, PhD  
**Mailing Address:** Emory University  
 Dept. of OB/GYN  
 1639 Pierce Dr., Room 4217  
 Atlanta, GA 30322  
**Telephone:** (404) 727-9106  
**FAX:** (404) 727-8609  
**Email:** [Robert.N.Taylor@emory.edu](mailto:Robert.N.Taylor@emory.edu)  
**Website:** <http://www.gynob.emory.edu>

**2010 1st yr positions** 1  
**Most recent year of Program Certification (Recertification)** 2006

**FACULTY APPOINTMENT**  
**1st year:** None  
**2nd year:** None  
**3rd year:** None

**Program Length:** 3 years  
**3 yr conversion start date:** N/A  
**Prerequisites:** Ob/Gyn Residency  
**Salary 1st Year:** \$53,632.10  
**Fellowship Application Deadline:** Jun-1

**Number of fellows trained within the past 5 years** 5  
**How many of them are currently in academic positions?** 2

## PROGRAM DESCRIPTION

	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b><u>Research Time</u></b>			
<b>Total Research time</b>	50%	80%	20%
<b>Clinical Laboratory</b>	Will vary with research interest and objectives of individual fellows		
<u>Lab Rotation Required</u>			
<b><u>Direct Patient Care</u></b>			
<b>Total Clinical Time</b>	50%	20%	80%
<b>Endocrine</b>	20%	50%	60%
<b>Infertility</b>	80%	50%	40%
<b>Obstetrics/Gynecology</b>	0%	0%	0%
<b><u>Surgical Procedures</u></b>			
<b>Diagnostic/Operative</b>			
<b>Laparoscopies</b>	33	4	3
<b>Hysteroscopies</b>	47	4	0
<b>Assisted Reproduction</b>	180	75	114
<b>Laparotomies</b>	12	1	0

## GRADUATE LEVEL COURSES

Mandatory (M), Recommended (R), Offered (O)

	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b>Statistics/Epidemiology</b>	M		
<b>Research Methodology</b>	M		
<b>Genetics/Molecular Biology</b>			R
<b>Molecular Endocrinology</b>	M		
<b>Other Clinical Course</b>	Ped/Med Endo. Genetics, Urology		M

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# EMORY UNIVERSITY

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## FACULTY

\* = Full Time

\*\* = Other

### Reproductive Endocrinology/Infertility

\*Robert Taylor, M.D., Ph.D.

\*Sarah L. Berga, M.D.

\*Celia E. Dominguez, M.D.

\*Carla Roberts, M.D., Ph.D.

\*Donna Session, M.D.

\*Neil Sidell, Ph.D.

\*Weirong Shang, PhD

\*Caleb Kallen, MD, PhD

\*John Park, MD

### Areas of Special Interest

Endometriosis, Preeclampsia, Angiogenesis

Psychosocial and Metabolic Regulation  
of GnRH, Menopause

Reproductive Surgery, Menopause, PCOS,  
Endocrine Disruptors

Endometriosis, Pelvic Pain, Adolescent  
Gynecology, Ovarian Cryopreservation

Infertility, Imaging, Cyclins and  
Gynecologic Cancers

Developmental Biology, Retinoids,  
Endometriosis, Immunology

Gamete and Embryo Biology

Microarray, estrogen signalling pathways

Oxidative stress effects on reproduction, IVF

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### BRIEF DESCRIPTION OF PROGRAM WITH TEACHING ACTIVITIES DISCUSSED

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The fellowship program is designed for physicians with a strong commitment to a career in academic reproductive endocrinology and infertility. This program is structured to provide sufficient clinical and research experience to fulfill five major objectives: 1) a focused research experience leading to publishable reports and providing the foundation for further independent investigation; 2) clinical experience in reproductive endocrinology and infertility, general adult endocrinology, pediatric endocrinology, and andrology; 3) broad surgical experience in infertility, assisted reproduction, and developmental reproductive anomalies; 4) knowledge of clinical and research laboratory techniques used in reproductive endocrinology and infertility; and 5) a firm grounding in the principles and concepts underlying molecular endocrinology and reproductive physiology.

Faculty in this fellowship program are committed to the training of individuals who, in addition to providing skilled subspecialty patient care, will remain active and productive as physician-scientists. Funding support from outside the practice plan eliminates clinical coverage responsibilities outside of REI and provides greater opportunity for focused research, mentorship, and formal course work during the course of the fellowship. The experience will provide a firm scientific foundation for the conceptual development and implementation of research studies, thus enhancing the fellow's ability to obtain research funding and make important contributions relevant to the academic domains of reproductive endocrinology and infertility.

# JOHNS HOPKINS UNIVERSITY

**Program Director:** Howard A. Zacur, M.D., Ph.D.  
**Mailing Address:** Johns Hopkins University  
 School of Medicine  
 2330 W. Joppa Road, Suite 301  
 Lutherville, MD 21093  
**Telephone:** (410) 583-2761  
**FAX:** (410) 583-2767  
**Email:** [jvogan@jhmi.edu](mailto:jvogan@jhmi.edu)  
**Website:** <http://womenshealth.jhmi.edu/rei>

**2010 1st yr positions** 1  
**Most recent year of Program Certification (Recertification)** 2005

**FACULTY APPOINTMENT**  
**1st year:** Postdoctoral Fellow  
**2nd year:** Postdoctoral Fellow  
**3rd year:** Postdoctoral Fellow

**Program Length:** 3 years  
**3 yr conversion start date:** 1997  
**Prerequisites:** M.D. degree, (4 yr Residency)  
**Salary 1st Year:**

**Deadline for Receiving Fellowship Applications:**

**Number of fellows trained within the past 5 years:** 5  
**How many of them are currently in academic positions:** 2

## PROGRAM DESCRIPTION

	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b><u>Research Time</u></b>			
<b>Total Research time</b>	<b><u>10%</u></b>	<b><u>80%</u></b>	<b><u>90%</u></b>
<b>Clinical</b>	<b><u>80%</u></b>	<b><u>20%</u></b>	<b><u>20%</u></b>
<b>Laboratory</b>	<b><u>20%</u></b>	<b><u>80%</u></b>	<b><u>80%</u></b>
<b><u>Direct Patient Care</u></b>			
<b>Total Clinical Time</b>	<b><u>90%</u></b>	<b><u>20%</u></b>	<b><u>20%</u></b>
<b>Endocrine</b>	<b><u>30%</u></b>	<b><u>15%</u></b>	<b><u>15%</u></b>
<b>Infertility</b>	<b><u>60%</u></b>	<b><u>80%</u></b>	<b><u>80%</u></b>
<b>Obstetrics/Gynecology</b>	<b><u>10%</u></b>	<b><u>5%</u></b>	<b><u>5%</u></b>
<b><u>Surgical Procedures</u></b>			
<b><u>Diagnostic/Operative</u></b>			
<b>Laparoscopies</b>	<b><u>100</u></b>	<b><u>20</u></b>	<b><u>4</u></b>
<b>Hysteroscopies</b>	<b><u>50</u></b>	<b><u>25</u></b>	<b><u>3</u></b>
<b>Assisted Reproduction</b>	<b><u>120</u></b>	<b><u>100</u></b>	<b><u>20</u></b>
<b>Laparotomies</b>	<b><u>40</u></b>	<b><u>12</u></b>	<b><u>3</u></b>

## GRADUATE LEVEL COURSES

Mandatory (M), Recommended (R), Offered (O)

	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b>Statistics/Epidemiology</b>		M	
<b>Research Methodology</b>		M	
<b>Genetics/Molecular Biology</b>			M
<b>Other Basic Science</b>		R	
<b>Other Clinical Course</b>			

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# JOHNS HOPKINS UNIVERSITY

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## FACULTY

\* = Full Time

\*\* = Other

### Reproductive Endocrinology/Infertility

\*Theodore A. Baramki, M.D.

\*Karen Boyle, M.D.

\*Jairo Garcia, M.D.

\*Lisa Kolp, M.D.

\*\*Suheil Muasher, M.D.

\*\*Samuel Smith, M.D.

\*Edward E. Wallach, M.D.

\*Howard A. Zacur, M.D., Ph.D.

\*Yulian Zhao, M.D., Ph.D.

### Areas of Special Interest

Infertility, Menstrual Irregularities, Mullerian Anomalies, and Menopause

Male Infertility, Erectile Dysfunction & Ejaculatory Dysfunction

Infertility evaluation and reproductive surgery

Adolescent Gynecology, Cancer Survivors, and Cryopreservation

Director, Muasher Center for Infertility, Assisted Reproductive Technologies

Chairman, Department of OB/GYN at Franklin Square Hospital

Ovulation Disorders and Physiology; Surgical Treatment of Uterine Leiomyomata, and Assisted Reproductive Technology

Prolactin Disorders, Late Onset Adrenal Hyperplasia; BCP Pharmacokinetics,

Menopause, and Hormone Replacement

Director: ART Laboratories: Embryology, Andrology, and Ovarian Endocrinology

## **BRIEF DESCRIPTION OF PROGRAM WITH TEACHING ACTIVITIES DISCUSSED**

A Reproductive Endocrinology Program has existed within the Department of Gynecology and Obstetrics of The Johns Hopkins University School of Medicine since 1939. There are currently five full-time faculty in the Division consisting of Drs. Theodore Baramki, Jairo Garcia, Lisa Kolp, Edward Wallach, Howard Zacur, and Yulian Zhao. Dr. Karen Boyle is a full-time faculty member in the Department of Urology at Hopkins who diagnoses and treats male infertility and works with the Division Faculty and fellows. In addition, two part-time faculty members, Drs. Suheil Muasher and Samuel Smith provide lectures to fellows and residents and offer clinical research opportunities. Each full-time faculty member interacts closely with fellows during their three years of training. Clinical training in surgery and outpatient clinical diagnosis and treatment are the training goals of this program during the first year of fellowship and selectively during the second and third years. We also provide balanced training in assisted reproductive technologies, reproductive surgery, clinical reproductive endocrinology and basic research approaches in reproductive medicine.

During the second year, Division and Departmental faculty members work closely with fellows directing their basic research efforts. At this time, each fellow is required to take one graduate level course in statistics and one in either reproductive biology or molecular biology/genetics and spend one month rotating through medical endocrinology. An additional month is also required in pediatric endocrinology at The Johns Hopkins Hospital. The remainder of the fellow's time is devoted to research during the second year of training. The third year of fellowship training is devoted to research. It allows the fellow to complete his/her project begun during the first two years of training. The fellows are encouraged to explore the many basic science research opportunities available in multiple departments at the Johns Hopkins Hospital. An active basic research program exists within the Department of Gynecology and Obstetrics under the direction of Dr. John E. Gearhart who heads our Reproductive Biology Research Division. While working with staff in the Department's Research Division, fellows will be expected to achieve expertise in cell culture techniques, selected techniques in molecular biology, and radioimmunoassay. Fellows will also have the opportunity to work under the mentorship of faculty in the Division of Reproductive Biology in the Department of Biochemistry in The Johns Hopkins Bloomberg School of Public Health who are experts in male and female reproductive biology.

## LAC + USC HEALTHCARE NETWORK

**Program Director:** Richard J. Paulson, M.D.  
**Mailing Address:** LAC + USC Healthcare Network  
 Women's and Children's  
 Hospital, Room 8K9  
 1240 North Mission Road  
 Los Angeles, CA 90033  
**Telephone:** (323) 226-3026  
**FAX:** (323) 226-2850  
**Email:** [rpaulson@usc.edu](mailto:rpaulson@usc.edu)  
**Website:** <http://www.uscfertility.org>

**2010 1st yr positions** 1  
**Most recent year of Program Certification (Recertification)** 2005

**FACULTY APPOINTMENT**  
**1st year:** Clinical Instructor/Fellow  
**2nd year:** Clinical Instructor/Fellow  
**3rd year:** Clinical Instructor/Fellow

**Program Length:** 3 years  
**3 yr conversion start date:** 7/1/2000  
**Prerequisites:** ABOG-approved residency  
**Salary 1st Year:** \$61,443.48  
**Fellowship Application Deadline:** Jul-01  
**Number of fellows trained within the past 5 years** 5  
**How many of them are currently in academic positions?** 1

### PROGRAM DESCRIPTION

	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b><u>Research Time</u></b>			
<b>Total Research time</b>			
Clinical	<u>50%</u>	<u>50%</u>	<u>50%</u>
Laboratory	<u>50%</u>	<u>50%</u>	<u>50%</u>
<b><u>Direct Patient Care</u></b>			
<b>Total Clinical Time</b>			
Endocrine	<u>45%</u>	<u>45%</u>	<u>20%</u>
Infertility	<u>45%</u>	<u>45%</u>	<u>70%</u>
Obstetrics/Gynecology	<u>10%</u>	<u>10%</u>	<u>10%</u>
<b><u>Surgical Procedures</u></b>			
<b>Diagnostic/Operative</b>			
Laparoscopies	<u>30</u>	<u>30</u>	<u>10</u>
Hysteroscopies	<u>25</u>	<u>25</u>	<u>20</u>
<b>Assisted Reproduction</b>	<u>20</u>	<u>20</u>	<u>150</u>
<b>Laparotomies</b>	<u>25</u>	<u>25</u>	<u>10</u>

### GRADUATE LEVEL COURSES

Mandatory (M), Recommended (R), Offered (O)

	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
Statistics/Epidemiology	M	O	O
Research Methodology	M	M	M
Genetics/Molecular Biology	O	M	O
Other Basic Science	O	O	O
Other Clinical Course	M	M	M

# LAC + USC HEALTHCARE NETWORK

## FACULTY

\* = Full Time

\*\* = Other

### Reproductive Endocrinology/Infertility

\*Kristin A. Bendikson, M.D.

\*Paul F. Brenner, M.D.

\*Karine Chung, M.D., M.S.C.E.

\*\*Gere S. diZerega, M.D.

\*Daniel R. Mishell, Jr., M.D.

\*Richard J. Paulson, M.D.

\*\*Patrick Quinn, Ph.D.

\*\*Kathleen E. Rodgers, Ph.D.

\*Subir Roy, M.D.

\*Donna Shoupe, M.D., M.B.A.

\*Rebecca Z. Sokol, M.D., M.P.H.

\*Frank Z. Stanczyk, Ph.D.

\*Bo Y. Suh, M.D.

\*Claire L. Templeman, M.D.

\*\*Sharon A. Winer, M.D., M.P.H.

### Areas of Special Interest

ART, Infertility, Diminished Ovarian Reserve,  
Asherman's Syndrome

Pediatric Endocrinology, Contraception,  
Menopause

ART, Infertility, Oocyte Cryopreservation,  
Fertility Preservation in Patients with Cancer,  
Epidemiology of Infertility

Adhesions, Wound Healing, Angiogenesis

Contraception, Menopause

ART, Infertility, Oocyte Cryopreservation, Embryo  
Implantation, Study Design, Stem Cells

ART, Culture Media, Oocyte Cryopreservation

Toxicology, Immunology, Immunochemistry

Contraception, Infection, Menopause, Statistics

Menopause, Contraception, Infertility

Male Infertility, Sperm Physiology, Medical  
Endocrinology

Steroid Biochemistry, Assay Methods,  
Contraception, Menopause

Reproductive Endocrinology, Menopause

Endometriosis, Endoscopic Surgery,

Adolescent Gynecology

Reproductive Endocrinology, Infertility, Menopause

### **BRIEF DESCRIPTION OF PROGRAM WITH TEACHING ACTIVITIES DISCUSSED**

The Fellowship in Reproductive Endocrinology and Infertility at the University of Southern California (USC) Keck School of Medicine comprises 36 consecutive months and is designed specifically to train and prepare graduates for an academic career. Each year is divided into 50% clinical time and 50% protected research time. Research is considered a primary objective and fellows are also expected to participate in clinical research while performing or supervising clinical duties. During the first two years of the fellowship, clinical experience is gained in the Reproductive Endocrinology and Infertility Clinic at the Los Angeles County+University of Southern California Medical Center. This subspecialty clinic in one of America's busiest county hospitals provides a large volume of clinical material with many unusual cases and presentations. The fellow is in charge of the clinic which sees patients 5 days per week and acts as the primary surgeon for all infertility cases which are performed in a dedicated O.R. 2 days per week. During this time, fellows are exposed to assisted reproductive techniques (ART), but the bulk of the ART experience takes place in the third year. During this final year of fellowship, fellows act as junior faculty and participate in all aspects of ART, including ultrasound, follicle aspirations and embryo transfers and have ample opportunity to learn the laboratory portion of ART. The remainder of the fellowship is devoted to research with the first year specifically assigned to laboratory bench research. The second and third years involve performing research in the Molecular Biology Laboratory, in ART and in the USC Reproductive Research Clinic. Two intramural courses in research methodology and basic reproductive endocrinology are supplemented with statistics and molecular biology courses offered by the USC Keck School of Medicine. There is a heavy emphasis on research and active contribution to the literature. Further information may be obtained by request.

# MASSACHUSETTS GENERAL HOSPITAL

**Program Director:** Thomas L. Toth, M.D., Director  
**Mailing Address:** Vincent Reproductive Endocrinology & Infertility Fellowship Training Program  
 Massachusetts General Hospital  
 55 Fruit St., YAW 10-A  
 Boston, MA 02114  
**Telephone:** 617-726-6942  
**FAX:** 617-724-7530  
**Email:** [ttoth@partners.org](mailto:ttoth@partners.org)  
**Website:** [www.massgeneral.org/fertility](http://www.massgeneral.org/fertility)

**2010 1st yr positions** 1  
**Most recent year of Program Certification (Recertification)** 2008

**FACULTY APPOINTMENT**  
**1st year:** Clinical Fellow  
**2nd year:** Clinical Fellow  
**3rd year:** Clinical Fellow

**Program Length:** 3 years  
**3 yr conversion start date:** Fellowship Application Deadline: Monday, Jun 8, 2009  
**Prerequisites:** ABOG Approved Residency in Ob/Gyn  
**Salary 1st Year:** \$60,617.00  
**Number of fellows trained within the past 5 year:** Program began in 2004 1 graduate  
**How many of them are currently in academic positions'** 1

## PROGRAM DESCRIPTION

	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b><u>Research Time</u></b>			
Total Research time	<u>100%</u>	<u>20%</u>	30%
Clinical	<u>0%</u>	<u>50%</u>	<u>50%</u>
Laboratory	<u>100%</u>	<u>50%</u>	<u>50%</u>
<b><u>Direct Patient Care</u></b>			
Total Clinical Time	0%	80%	70%
Endocrine		<u>30%</u>	60%
Infertility		<u>70%</u>	40%
Obstetrics/Gynecology		<u>0%</u>	0%
<b><u>Surgical Procedures</u></b>			
	N/A	Estimated '07-'08	Estimated '07-'08
<b><u>Diagnostic/Operative</u></b>			
Laparoscopies		15	44
Hysteroscopies		300	50
<b><u>Assisted Reproduction</u></b>			
Laparotomies		6	20

## GRADUATE LEVEL COURSES

Mandatory (M), Recommended (R), Offered (O)

	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
Statistics	R (1)		
Epidemiology	R (1)		
Research Methodology			
Genetics/Molecular Biology			
Other Basic Science			
Other Clinical Course			

# MASSACHUSETTS GENERAL HOSPITAL

## Faculty

\* = Full Time    \*\* = Other

### Reproductive Endocrinology/Infertility    Areas of Special Interest

John C. Petrozza, M.D.*	Minimally Invasive Surgery, Pelvic Pain
Bo R. Rueda, PhD*	Ovarian & Endometrial Biology/Cancer, Endometriosis
Isaac Schiff, MD*	Women's Reproductive Health / Menopause
Jan L. Shifren, MD*	Menopause, Sexual Dysfunction
Irene Souter, MD*	Infertility, PGD
Aaron K. Styer, MD*	Endometriosis, Reproductive Surgery/Mullerian Anomalies
Jonathan L. Tilly, PhD*	Apoptosis, Germline Stem Cells
Thomas L. Toth, MD*	Assisted Reproductive Technologies, Oocyte Cryopreservation
Diane Wright, PhD*	Embryology, Telomerase

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Beverly Biller, MD**	Neuroendocrine / Endocrinology
Lewis Holmes, MD**	Genetics
Lynne Levitsky, MD**	Pediatric Endocrinology
Drucilla Roberts, MD**	Reproductive Pathology
Patrick Sluss, PhD**	Reproductive Endocrine Pathology/Assays
Cigdem Tanrikut, MD**	Male Reproductive Medicine

**Goal** – The Massachusetts General, Harvard Medical School, Vincent Fellowship Training Program in Reproductive Endocrinology and Infertility (REI) is a three-year program designed to train sub specialists in obstetrics and gynecology to manage complex clinical problems relating to reproductive endocrinology and infertility, as well as to investigate important relevant basic science and clinical research questions

**Overview** – Fellowship training is divided equally between clinical and research activities. Formal didactic sessions include enrollment in courses and attendance at weekly rounds and conferences. Clinical activities take place in the MGH Fertility Center of the Vincent Obstetrics and Gynecology service, including the Vincent *In Vitro* Fertilization unit. Basic scientific research activities occur in the Vincent Center for Reproductive Biology.

**Year 1** – is devoted exclusively to research with the faculty of the Vincent Center for Reproductive Biology (VCRB) to learn the basic research skills required to address important issues in reproductive biology. The breadth of investigation available in the VCRB will cover all facets of reproduction and reproductive endocrinology, the utilization of in vitro and in vivo models, and the practice of a full range of molecular techniques. Notably, fellows are given the opportunity to design, implement, and critically review basic research projects with the potential for relevant clinical applications. In addition, graduate level courses related to basic or clinical research will be completed.

**Year 2** – is 80% clinical and 20% laboratory and the fellow will continue to research projects initiated in Year 1, but will now focus on clinical activities. The fellow will learn to evaluate and treat medical problems including infertility, polycystic ovarian syndrome, hirsutism, premature ovarian failure, endometriosis, dysfunctional uterine bleeding. The fellow will participate daily in the IVF unit, learning skills of transvaginal ultrasonography, gonadotropin management and oocyte retrieval. The fellow will observe in the Vincent Embryology/Andrology Lab learning gamete biology and handling, including exposure to micromanipulation. The fellow will attend several weekly conferences, including the Vincent IVF conference, monthly journal clubs as well as various relevant rounds and conferences within the division, department and hospital.

**Year 3** - will focus on training in the surgical techniques critical to the specialty, principally endoscopic procedures, where the fellow will assist with cases several days weekly. Additionally, the fellow will continue ongoing basic and clinical research projects as well as weekly-supervised REI continuity clinic. Rotation, each of approximately two months duration, will be arranged in the related fields of pediatric endocrinology, endocrinology and neuroendocrinology, male infertility, menopause, pathology and genetics. Again, the fellow will participate in all relevant conferences, rounds and clinics. We encourage fellows to present their findings at local and international scientific meetings. The fellow's own unique project designed to generate a publication, will be defended at the end of the Fellowship period.

# MAYO CLINIC

<b>Program Director</b> Charles C. Coddington, III M.D. <b>Mailing Address:</b> 200 First Street SW Rochester, MN 55905  <b>Telephone:</b> 507-266-0167 <b>FAX:</b> 507-166-9300 <b>Email:</b> <a href="mailto:coddington.charles@mayo.edu">coddington.charles@mayo.edu</a> <b>Website:</b> <a href="http://www.mayo.edu/msgme/obgyn-reproductive-rch.html">http://www.mayo.edu/msgme/obgyn-reproductive-rch.html</a>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;"><b>2010 1st yr positions</b></td> <td style="text-align: right;"><b>1</b></td> </tr> <tr> <td><b>Most recent year of Program Certification (Recertification)</b></td> <td style="text-align: right;"><b>2007</b></td> </tr> </table> <hr/> <b>FACULTY APPOINTMENT</b> <b>1st year:</b> None <b>2nd year:</b> Instructor of OB-GYN <b>3rd year:</b> Instructor of OB-GYN	<b>2010 1st yr positions</b>	<b>1</b>	<b>Most recent year of Program Certification (Recertification)</b>	<b>2007</b>
<b>2010 1st yr positions</b>	<b>1</b>				
<b>Most recent year of Program Certification (Recertification)</b>	<b>2007</b>				

<b>Program Length:</b>	3 years	
<b>3 yr conversion start date:</b>	6/21/1905	<b>Fellowship Application Deadline:</b> Jun-1
<b>Prerequisites:</b>	US Ob/Gyn Residency/NY License	
<b>Salary 1st Year:</b>	\$54,218.00 (as of June 2008)	
<b>Number of fellows trained within the past 5 years</b>	4	
<b>How many of them are currently in academic positions?</b>	3	

PROGRAM DESCRIPTION	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b><u>Research Time</u></b>			
<b>Total Research time</b>			
<b>Clinical</b>	<u>10%</u>	<u>90%</u>	<u>67%</u>
<b>Laboratory</b>			
<b><u>Direct Patient Care</u></b>			
<b>Total Clinical Time</b>	<u>90%</u>	<u>10%</u>	<u>33%</u>
<b>Endocrine</b>	<u>30%</u>	<u>0%</u>	<u>16.5%</u>
<b>Infertility</b>	<u>60%</u>	<u>10%</u>	<u>16.5%</u>
<b>Obstetrics/Gynecology</b>	<u>0%</u>	<u>0%</u>	<u>0%</u>
<b><u>Surgical Procedures</u></b>			
<b>Diagnostic/Operative</b>			
<b>Laparoscopies</b>	<u>10</u>	<u>11</u>	<u>6</u>
<b>Hysteroscopies</b>	<u>10</u>	<u>19</u>	<u>6</u>
<b>Assisted Reproduction</b>	<u>126</u>	<u>120</u>	<u>93</u>
<b>Laparotomies</b>	<u>3</u>	<u>11</u>	<u>5</u>

<b>GRADUATE LEVEL COURSES</b>			
Mandatory (M), Recommended (R), Offered (O)			
	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b>Statistics/Epidemiology</b>	O	M	M
<b>Research Methodology</b>	O	O	O
<b>Genetics/Molecular Biology</b>	O	O	O
<b>Other Basic Science</b>	O	O	O
<b>Other Clinical Course</b>	O	O	O

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# MAYO CLINIC

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## FACULTY

\* = Full Time

\*\* = Other

### Reproductive Endocrinology/Infertility

### Areas of Special Interest

Charles C. Coddington, III, M.D.\*  
Frank Gonzalez, M.D.\*

Elizabeth A. Stewart, M.D.\*

Dean E. Morbeck, Ph.D., HCLD\*

Gaurang S. Daftary, M.D.\*

Jani R. Jensen, M.D.\*

K. Sreekumaran Nair, M.D.\*\*

Johannes Veldhuis, M.D. \*\*

John B. Gebhart, M.D.\*\*

Ajay Nehra, M.D.\*\*

Lance A Mynderse, M.D.\*\*

Neena Natt, M.D.\*\*

W. Frederick Schwenk, M.D.\*\*

Jay W. Ellison, M.D., Ph.D.\*\*

ART/IVF, reproductive microsurgery  
PCOS research, ART/IVF, reproductive  
microsurgery

Uterine fibroids, ART/IVF, reproductive  
surgery

IVF, PGD, oocyte fertilization and cryo-  
preservation, embryo cryopreservation

Genetic/molecular mechanisms of  
endometrial physiology and embryo  
implantation; embryo implantation disorders,  
ART/IVF

ART/IVF, fertility preservation, ART  
ethical/gender issues, reproductive surgery

Endocrine research

Endocrine research

Pelvic reconstructive surgery

Surgical treatment of male infertility

Surgical treatment of male infertility

Medical endocrinology

Pediatric endocrinology

Medical genetics

### **BRIEF DESCRIPTION OF PROGRAM WITH REACHING ACTIVITIES DISCUSSED**

**1<sup>st</sup> Year:** Provides general experience in reproductive endocrinology. Fellows spend 90% of time in Reproductive Endocrinology & Infertility (REI) developing clinical and surgical skills related to infertility, amenorrhea, neuroendocrine dysfunction, reproductive tract abnormalities, androgen disorders, recurrent abortion, endometriosis and uterine leiomyomas in women who want to conceive. Fellows participate in the Mayo Clinic Assisted Reproductive Technology (MCART) program which offers IVF, gamete micromanipulation, assisted hatching, embryo and oocyte cryopreservation, oocyte donation, sonohysterography, ultrasound-directed oocyte retrieval and embryo transfer. Fellows actively participate in all aspects of care, including performing embryo transfers. Fellows learn treatments for male infertility (epididymal aspiration, testicular biopsy, electroejaculation). Fellows prepare a research proposal (clinical or laboratory) under guidance of an individual mentor that undergoes critical departmental and institutional review. **2<sup>nd</sup> Year:** Fellows spend 90% of time in research-related activities to enhance understanding of the latest scientific techniques and to attend mandatory graduate-level courses. They participate in MCART 10% of time to continue development of clinical and surgical skills. **3<sup>rd</sup> Year:** Fellows continue with 90% of time in research during the first 6 months for a total of 18 continuous months of research-related activities. Thereafter, fellows rotate in Medical Endocrinology, Pediatric Endocrinology, and Medical Genetics. The remainder of the 3<sup>rd</sup> year is spent honing clinical and surgical skills. Experience with MRI-guided focused ultrasound treatment of uterine fibroids is available. Teaching opportunities are available through the Mayo Clinic College of Medicine. No coverage of general obstetric and gynecologic patients is included in the fellowship requirements.

# NIH-USUHS Federal Fellowship in Reproductive Endocrinology

<b>Program Director:</b> James Segars, M.D. <b>Mailing Address:</b> Bldg A, Rm 3078 Dept of OB/GYN, USUHS 4301 Jones Bridge Road Bethesda, MD 20814  <b>Telephone:</b> 301-295-4390 <b>FAX:</b> 301-295-6240 <b>Email:</b> <a href="mailto:tsmith@usuhs.mil">tsmith@usuhs.mil</a> <b>Program Asst:</b> Tracy Smith	<b>1st year positions:</b> 2 <b>Most recent year of Program Certification (Recertification):</b> 1978 / 2004  <b>FACULTY APPOINTMENT</b> <b>1st year:</b> Instructor <b>2nd year:</b> Instructor <b>3rd year:</b> Instructor
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<b>Program Length:</b> 3 years	<b>3 yr conversion start date:</b> 1991	<b>Fellowship Application Deadline:</b> July 1, yr prior to start
<b>Prerequisites:</b> ABOG-approved residency	<b>Salary 1st Year:</b> 50,000+	
<b>Number of fellows trained within the past 5 years</b>		<b>8</b>
<b>How many of them are currently in academic positions?</b>		<b>4</b>

PROGRAM DESCRIPTION	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b><u>Research Time</u></b>			
Total Research time	<u>10%</u>	<u>90%</u>	<u>80%</u>
Clinical	<u>10</u>	<u>10</u>	<u>10</u>
Laboratory	<u>0</u>	<u>80</u>	<u>70</u>
<b><u>Direct Patient Care</u></b>			
Total Clinical Time	90%	10%	20%
Endocrine	<u>10</u>	<u>5</u>	5
Infertility	<u>70</u>	<u>5</u>	10
Obstetrics/Gynecology	<u>0</u>	<u>0</u>	0
Genetics	10		5
<b><u>Surgical Procedures</u></b>			
<b>Diagnostic/Operative</b>			
Laparoscopies	<u>30-40</u>	<u>10</u>	10
Hysteroscopies	<u>30-40</u>	<u>10</u>	10
Assisted Reproduction	120	10	100
Laparotomies	<u>20</u>	<u>5</u>	5

GRADUATE LEVEL COURSES			
Mandatory (M), Recommended (R), Offered (O)			
	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
Statistics/Epidemiology		R	M
Research Methodology		R	O
Genetics/Molecular Biology		R	M
Other Basic Science		O	O
Other Clinical Course		O	O

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## NIH-USUHS Federal Fellowship in Reproductive Endocrinology

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### FACULTY

\* = Full Time

\*\* = Other

#### Reproductive Endocrinology/Infertility

Alan H. DeCherney \*  
Alicia Y. Armstrong\*  
James H. Segars\*  
William H. Catherino\*  
Mark Payson\*  
Melinda Henne\*  
Lawrence Nelson\*  
Eric Widra\*\*  
Robert Stillman\*\*

Jacques Cohen\*\*  
Lynnette Nieman\*\*  
Paul Driggers\*\*  
John Wu\*\*  
Tomoshige Kino\*\*

#### Areas of Special Interest

Infertility, ART, Reproductive Endocrinology  
Health disparities, ART, Ovarian reserve  
Molecular endocrinology, fibroids  
Fibroids, health disparities, reconstructive surgery  
Fibroids, ART, Infertility  
Infertility, ART, Clinical outcomes research  
Premature Ovarian failure, Reproductive Endocrinology  
ART outcomes, Infertility  
ART outcomes, Reproductive Endocrinology

PGD, Embryology and gametogenesis  
Medical Endocrinology, Fibroids  
Molecular endocrinology, Molecular biology  
GnRH action  
Molecular endocrinology

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### BRIEF DESCRIPTION OF PROGRAM WITH TEACHING ACTIVITIES DISCUSSED

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The NIH-USUHS Combined Federal Fellowship in Reproductive Endocrinology is a rigorous 3 year program designed to train highly skilled, independent investigators plan to launch an academic research career. The program combines the unique research opportunities at NIH with the busy clinical services of Walter Reed Army Medical Center and the Shady Grove Fertility Center. The program is jointly sponsored by NICHD, NIH and the Uniformed Services of the Health Sciences (USUHS). For additional information, please contact Tracy Smith for details ([tsmith@usuhs.mil](mailto:tsmith@usuhs.mil)). Applications and inquires should be directed to the fellowship administrator, Tracy Smith ([tsmith@usuhs.mil](mailto:tsmith@usuhs.mil)); phone:301-296-

# NYU MEDICAL CENTER

**Program Director:** James A. Grifo, M.D., Ph.D.  
**Mailing Address:** NYU Fertility Center  
 660 First Avenue, 5th Floor  
 New York, NY 10016  
**Telephone:** (212) 263-0049  
**FAX:** (212) 263-7853  
**Email:** [james.grifo@nyumc.org](mailto:james.grifo@nyumc.org)  
[gordom06@nyumc.org](mailto:gordom06@nyumc.org)  
**Website:** <http://www.nyufertilitycenter.org>

**2010 1st yr positions** 1  
**Most recent year of Program Certification** 2007

**FACULTY APPOINTMENT**  
**1st year:** PGY 5  
**2nd year:** PGY 6  
**3rd year:** PGY 7

**Program Length:** 3 years  
**3 yr conversion start date:** 2001  
**Prerequisites:** OB/GYN Residency  
**Salary 1st Year:** \$64,642.00  
**Fellowship Application Deadline:** Jul-19  
**Number of fellows trained within the past 5 years** 5  
**How many of them are currently in academic positions?** 1

## PROGRAM DESCRIPTION

	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b><u>Research Time</u></b>			
<b>Total Research time</b>	<b><u>10%</u></b>	<b><u>50%</u></b>	<b><u>90%</u></b>
<b>Clinical</b>	<b><u>100%</u></b>	<b><u>50%</u></b>	<b><u>20%</u></b>
<b>Laboratory</b>	<b><u>0%</u></b>	<b><u>50%</u></b>	<b><u>80%</u></b>
<b><u>Direct Patient Care</u></b>			
<b>Total Clinical Time</b>	<b><u>90%</u></b>	<b><u>50%</u></b>	<b><u>10%</u></b>
<b>Endocrine</b>	<b><u>10%</u></b>	<b><u>20%</u></b>	<b><u>10%</u></b>
<b>Infertility</b>	<b><u>80%</u></b>	<b><u>70%</u></b>	<b><u>80%</u></b>
<b>Obstetrics/Gynecology</b>	<b><u>10%</u></b>	<b><u>10%</u></b>	<b><u>10%</u></b>
<b><u>Surgical Procedures</u></b>			
<b>Diagnostic/Operative</b>			
<b>Laparoscopies</b>	<b><u>26</u></b>	<b><u>40</u></b>	<b><u>105</u></b>
<b>Hysteroscopies</b>	<b><u>40</u></b>	<b><u>70</u></b>	<b><u>144</u></b>
<b>Assisted Reproduction</b>	<b><u>400</u></b>	<b><u>500</u></b>	<b><u>800</u></b>
<b>Laparotomies</b>	<b><u>14</u></b>	<b><u>28</u></b>	<b><u>42</u></b>

## GRADUATE LEVEL COURSES

Mandatory (M), Recommended (R), Offered (O)

	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b>Statistics/Epidemiology</b>	M		
<b>Research Methodology</b>	R	R	R
<b>Genetics/Molecular Biology</b>	O	M	O
<b>Other Basic Science</b>	O	O	O
<b>Other Clinical Course</b>	O	O	O

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# NYU MEDICAL CENTER

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## FACULTY

\* = Full Time

\*\* = Other

### Reproductive Endocrinology/Infertility

### Areas of Special Interest

*James A. Grifo, M.D., Ph.D.	Director, Division of REI and Fellowship, REI Professor, OB/GYN	
*Alan S. Berkeley, M.D.	Director, In Vitro Fertilization, Professor, OB/GYN	
*Lewis C. Krey, Ph.D.	Director, Embryology Laboratory, Professor, OB/GYN and Cell Biology	
*Lisa Kump-Checchio, M.D.	Assistant Professor, OB/GYN	
*Nicole Noyes, M.D.	Director, Reproductive Surgery Associate Professor, OB/GYN	IVF, infertility, PGD and embryo biopsy, DES exposure, molecular genetics and infertility, congenital anomaly repair, PCOS,
*Frederick L. Licciardi, M.D.	Director, Oocyte Donation Program Associate Professor, OB/GYN	oocyte freezing, general and pediatric endocrinology, ovarian preservation, microsurgery for male infertility, hormonal
**Mortimer Levitz, Ph.D.	Director, Endocrinology Laboratory Professor, OB/GYN	aspects of osteoporosis, menopausal hormone replacement
**Jessica R. Brown, M.D.	Assistant Professor, OB/GYN	
**John Quagliarello, M.D.	Associate Professor, OB/GYN	
**Loren W. Greene, M.D.	Assistant Professor, Medicine-Endocrinology	
**Lila E. Nachtigall, M.D.	Professor, OB/GYN	
**Margaret Nachtigall-Giordano, M.D.	Assistant Professor, OB/GYN	
**Frederick Naftolin, M.D.	Research Coordinator, Professor, OB/GYN	

### **BRIEF DESCRIPTION OF PROGRAM WITH TEACHING ACTIVITIES DISCUSSED**

The REI Fellowship Program at NYU follows the educational objectives in ABOG's guide to Learning in Reproductive Endocrinology and Infertility. The main location for the Fellowship is situated at the NYU Fertility Center in Manhattan, a modern self-contained facility with multiple procedure rooms, laboratories, recovery suite, examination rooms and ultrasound facilities on site, supervised by four full-time specialists. Ancillary services including psychological and genetic counseling are available to patients, and the Fellow is a participant/observer in these activities at various times during training. Endoscopic surgery and inpatient care occur at the Tisch Hospital of NYU Hospitals Center. REI clinics are staffed by Fellows and Attendings, at Bellevue Hospital.

The Fellowship puts a strong emphasis on clinical reproductive endocrinology and the assisted reproductive technologies including IVF, ovulation induction with insemination and micromanipulation laboratory techniques, including embryo biopsy and PGD. The Fellow is included in patient management conferences and has a robust clinical exposure beginning in the first year, which includes didactic activities and research development. The second year provides for significant clinical exposure, and the third year is structured to allow for maximum research continuity for completion of the thesis formulated in the first year. Fellows are encouraged to attend relevant educational and professional meetings.

# NORTHWESTERN UNIVERSITY

**Program Director:** Ralph R. Kazer, M.D.  
**Mailing Address:** 676 North St. Clair  
 Suite 1845  
 Chicago, IL 60611  
**Telephone:** (312) 926-8244  
**FAX:** (312) 926-6643  
**Email:** [rkazer@northwestern.edu](mailto:rkazer@northwestern.edu)  
**Website:**

**2010 1st yr positions** 1  
**Most recent year of Program Certification (Recertification)** 2006

**FACULTY APPOINTMENT**  
**1st year:** None  
**2nd year:** None  
**3rd year:** None

**Program Length:** 3 years  
**3 yr conversion start date:** N/A  
**Prerequisites:** U.S. Residency in Ob/Gyn  
**Salary 1st Year:** \$57,606 (2008-2009)

**Fellowship Application Deadline:** Jul-1

**Number of fellows trained within the past 5 years** 2  
**How many of them are currently in academic positions?** 1

## PROGRAM DESCRIPTION

	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b><u>Research Time</u></b>			
<b>Total Research time</b>			
<b>Clinical</b>		0-55%	5-25%
<b>Laboratory</b>	90%	0-55%	
<b><u>Direct Patient Care</u></b>			
<b>Total Clinical Time</b>			
<b>Endocrine</b>	5%	5%	5%
<b>Infertility</b>	5%	40%	70-90%
<b>Obstetrics/Gynecology</b>			
<b><u>Surgical Procedures</u></b>			
<b>Diagnostic/Operative</b>			
<b>Laparoscopies</b>	<u>5</u>	<u>50</u>	<u>120</u>
<b>Hysteroscopies</b>	<u>5</u>	<u>30</u>	<u>60</u>
<b>Assisted Reproduction</b>		<u>50</u>	<u>100</u>
<b>Laparotomies</b>		<u>10</u>	<u>20</u>

## GRADUATE LEVEL COURSES

Mandatory (M), Recommended (R), Offered (O)

	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b>Statistics/Epidemiology</b>	M	M	
<b>Research Methodology</b>	M	M	
<b>Genetics/Molecular Biology</b>	M		
<b>Other Basic Science</b>	M		
<b>Other Clinical Course</b>	O		

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# NORTHWESTERN UNIVERSITY

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## FACULTY

\* = Full Time

\*\* = Other

### Reproductive Endocrinology/Infertility

### Areas of Special Interest

\*Ralph R. Kazer, M.D.

Endocrinology of breast cancer,  
preeclampsia, clinical infertility

\*Randall Barnes, M.D.

Polycystic ovary syndrome, clinical  
infertility

\*Edmond Confino, M.D.

In vitro fertilization, endoscopic  
surgery, clinical infertility

\*Magdy Milad, M.D.

Endoscopic surgery, clinical  
infertility

\*Serdar Bulun, M.D.

Endometriosis, aromatase  
inhibitors

\*Robert Chatterton, M.D.

Hormone assay techniques

\*Susan Klock, Ph.D.

Psychological aspects of infertility  
treatment

\*Robert Brannigan, M.D.

Urologic aspects of infertility

\*John Zhang, Ph.D.

Assisted Reproductive Technologies

\*Erica Marsh, M.D.

infertility, fibroids

\*Angela Lawson, Ph.D.

Psychological aspects of infertility treatment

### **BRIEF DESCRIPTION OF PROGRAM WITH TEACHING ACTIVITIES DISCUSSED**

The fellowship in Reproductive Endocrinology and Infertility is an integrated three-year curriculum designed to provide a broad range of clinical and research experience. Trainees will complete a Master of Science in Clinical Investigation program during the first two years of training, providing them with comprehensive training in epidemiology, biostatistics, and experimental design. The first 18 months of the fellowship is primarily devoted to basic science training, while the second half of the program is primarily clinical, but some flexibility is provided for individualization during the third year. Trainees will rotate through a number of settings in related areas, including pediatric

# Stanford University

<b>Program Director:</b> Lynn Westphal, MD <b>Mailing Address:</b> REI Division, Ob/Gyn Department Stanford University Medical Center 900 Welch Road, Suite 20 Palo Alto, CA 94304  <b>Telephone:</b> 650.498.7408 <b>FAX:</b> 650.498.4320 <b>Email:</b> <a href="mailto:tracyl@stanford.edu">tracyl@stanford.edu</a> <b>Website:</b> <a href="http://www.stanfordivf.com">http://www.stanfordivf.com</a>	<b>2010 1st yr positions</b> <span style="float: right;"><b>1</b></span> <b>Most recent year of Program Certification</b> <span style="float: right;"><b>2005</b></span>  <b>(Recertification)</b> <span style="float: right;"><b>2008</b></span>
<b>FACULTY APPOINTMENT</b>	
<b>1st year:</b> Clinical Instructor <b>2nd year:</b> (Affiliated) Fellow <b>3rd year:</b> each year 1st-3rd	

<b>Program Length:</b> 3 years	
<b>3 yr conversion start date:</b>	<b>Fellowship Application</b>
<b>Prerequisites:</b>	<b>Deadline:</b> 7/6/2009
<b>Salary 1st Year:</b> \$63,726.00	
<b>Number of fellows trained within the past 5 years</b>	<b>9</b>
<b>How many of them are currently in academic positions?</b>	<b>0</b>

<b>PROGRAM DESCRIPTION</b>	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b><u>Research Time</u></b>			
Total Research time			
Clinical	<u>0</u>	<u>10</u>	<u>10</u>
Laboratory	<u>0</u>	<u>90</u>	<u>90</u>
<b><u>Direct Patient Care</u></b>			
Total Clinical Time			
Endocrine	<u>25</u>	<u>25</u>	<u>25</u>
Infertility	<u>70</u>	<u>70</u>	<u>70</u>
Obstetrics/Gynecology	<u>5</u>	<u>5</u>	<u>5</u>
<b><u>Surgical Procedures</u></b>			
<b>Diagnostic/Operative</b>			
Laparoscopies	<u>12</u>	<u>13</u>	<u>10</u>
Hysteroscopies	<u>305</u>	<u>18</u>	<u>40</u>
Assisted Reproduction	748	<u>59</u>	<u>73</u>
Intrauterine Inseminations	<u>38</u>	<u>21</u>	<u>14</u>
Laparotomies	<u>7</u>	<u>7</u>	<u>10</u>

<b>GRADUATE LEVEL COURSES</b>			
Mandatory (M), Recommended (R), Offered (O)			
	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
Statistics/Epidemiology	O	M	O
Research Methodology	O	O	O
Genetics/Molecular Biology	O	M	O
Other Basic Science	O	O	O
Other Clinical Course	O	O	O

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# STANFORD UNIVERSITY

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## FACULTY

\* = Full Time

\*\* = Other

### Reproductive Endocrinology/Infertility

### Areas of Special Interest

\*Valerie L. Baker, MD

Clinical research in assisted reproduction (e.g. issues related to oocyte donation, stimulation protocols for IVF), health policy, reproductive effects of environmental toxins (e.g. influence on miscarriage risk), SART database analysis

\*Barry R. Behr, Ph.D.

Clinical research in assisted reproduction, embryo culture systems, embryo-maternal dialog, cryopreservation

\*Sheau Yu Teddy Hsu, Ph.D.

Basic research in the endocrine regulation by polypeptide ligands and G protein-coupled receptors

\*Aaron J. W. Hsueh, Ph.D.

Basic research in the hormonal regulation of ovarian function with emphasis on the interaction of gonadotropins and ovarian gene discovery

\*Ruth Lathi, MD

Clinical research in miscarriages and recurrent miscarriage, reproductive endocrinology, hormonal effects of fertility medications and reproductive outcomes.

\*Amin A. Milki, M.D.

Clinical research in assisted reproduction

\*Renee Reijo Pera, PhD

Translational research in developmental genetics of human germ cells, embryos and embryonic stem cells

\*Lynn M. Westphal, M.D.

Clinical research in assisted reproduction, ovarian cryopreservation, ART in patients with cancer

\*Mylene Yao, M.D.

Basic research in investigating mechanisms which control chromosomal segregation in Meiosis I, and how aneuploidy arises in mammalian oocytes

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## BRIEF DESCRIPTION OF PROGRAM WITH TEACHING ACTIVITIES DISCUSSED

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The education program in Reproductive Endocrinology and Infertility (REI) at Stanford is a three-year program. It is intended to prepare trainees for academic careers by providing structured training in basic laboratory and clinical research, experience as a teacher in post-graduate education, and the opportunity to develop additional subspecialty clinical skills. The program consists of twelve months of clinical experience in REI in the first year. The second and third years are primarily devoted to research, with a 10% commitment to clinical endeavors. The program is designed for those seeking eligibility to take the examinations for certification of special qualification given by the American Board of Obstetrics and Gynecology.

Two courses are required in the following areas: Statistics, Epidemiology, Genetics, and/or Molecular Biology.

# UNIVERSITY HOSPITALS CASE MEDICAL CENTER

**Program Director:** William W. Hurd, MD MSc  
**Mailing Address:** 11100 Euclid Ave, MAC 7007  
 Dept of OB/GYN  
 University Hospitals Case Medical Ctr  
 Cleveland, OH 44109  
**Telephone:** 216-844-5345  
**FAX:** 216-844-3796  
**Email:** [william.hurd@Uhhospitals.org](mailto:william.hurd@Uhhospitals.org)  
**Website:** <http://www.uhhospitals.org/macwomen/tabid/4332/Default.aspx>

**2010 1st yr position(s):** 1  
**Most recent year of Program Certification:** 2008

### FACULTY APPOINTMENT

**1st year:** Instructor  
**2nd year:** Instructor  
**3rd year:** Instructor

**Program Length:** 3 years  
**3 yr conversion start date:** NA  
**Prerequisites:** OBGYN Residency  
**Salary 1st Year:** Year 2008-09 \$50,818 (2009-2010 salary TBA)  
**Fellowship Application Deadline:** Jun-1  
**Number of fellows trained within the past 5 years:** NA  
**How many of them are currently in academic positions?:** NA

### PROGRAM DESCRIPTION

	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b><u>Research Time</u></b>			
<b>Total Research time</b>	<u>10%</u>	<u>90%</u>	<u>80-90%</u>
<b>Clinical</b>	<u>100-0%</u>	<u>100-0%</u>	<u>100-0%</u>
<b>Laboratory</b>	<u>0-100%</u>	<u>0-100%</u>	<u>0-100%</u>
<b><u>Direct Patient Care</u></b>			
<b>Total Clinical Time</b>	<u>90%</u>	<u>10%</u>	<u>10-20%</u>
<b>Endocrine</b>	<u>20%</u>	<u>30%</u>	<u>30%</u>
<b>Infertility</b>	<u>70%</u>	<u>70%</u>	<u>70%</u>
<b>Obstetrics/Gynecology</b>	<u>10%</u>	<u>0%</u>	<u>0%</u>
<b><u>Surgical Procedures</u></b>			
<b><u>Diagnostic/Operative</u></b>			
<b>Laparoscopies</b>	<u>100</u>	<u>10</u>	<u>10</u>
<b>Hysteroscopies</b>	<u>100</u>	<u>10</u>	<u>10</u>
<b>Assisted Reproduction</b>	<u>160</u>	<u>20</u>	<u>20</u>
<b>Laparotomies</b>	<u>30</u>	<u>5</u>	<u>5</u>

### GRADUATE LEVEL COURSES

Mandatory (M), Recommended (R), Offered (O)

	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b>Statistics/Epidemiology</b>	R		
<b>Research Methodology</b>	R		
<b>Genetics/Molecular Biology</b>		O	O
<b>Other Basic Science</b>		O	O
<b>Other Clinical Course</b>		O	O

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# University Hospitals Case Medical Center

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## FACULTY

\* = Full Time

\*\* = Other

**William W. Hurd, MD, MSc\***

**Areas of Special Interest**

**Laparoscopy**

**Infertility/ART**

**Robotic myomectomy**

**Recurrent Pregnancy Loss**

**James H. Liu, MD\***

**Infertility/ART**

**Hormones during Menopause**

**Contraception**

**Stacy J. Weil, MD\*\***

**Infertility/ART**

**Polycystic Ovarian Syndrome**

**Menopause**

**Reconstructive Fertility Surgery**

**Neal Rote, PhD\***

**Autoimmune causes of**

**Recurrent Pregnancy Loss**

**Sam Mesiano, PhD\***

**Cellular and Molecular Effects of**

**Estrogen and Progesterone**

### **BRIEF DESCRIPTION OF PROGRAM WITH RESEARCH ACTIVITIES DISCUSSED**

The University Hospitals Case Medical Center (UHCMC) Fellowship program in Reproductive Endocrinology and Infertility (REI) is designed to prepare fellows for productive careers in academic medicine. The program will take advantage of the breadth of research interests of the active faculty and the educational opportunities available to post-doctoral fellows at UHCMC and the co-located Case Western Reserve University School of Medicine and Graduate School. By design, it provides a progressive program of scientific inquiry, clinical competence, and didactic learning based on the educational objectives outlined by the "Guide to Learning in Reproductive Endocrinology and Infertility" from the American Board of Obstetrics and Gynecology (ABOG). Graduates of the program will possess the full range of clinical, educational and investigative competencies necessary to become successful clinician-scientists.

### **Educational Objectives**

The proposed program is structured to provide each fellow with a progressive experience in the conduct of clinical or basic research, depending on each fellow's background and interests. This progressive approach is predicated on the fact that the majority of prospective fellows have had limited exposure to the entire research process. During the first year, the fellowship training structure begins with a clinical focus which evolves to a primary research emphasis during the second year. The third year will be a balance of clinical and research responsibilities in preparation for productive research careers in academic medicine.

## UMD-NEW JERSEY MEDICAL SCHOOL

**Program Director:** Peter McGovern, M.D.  
**Mailing Address:** UMD-New Jersey Medical School  
 Dept. of OB/GYN & Women's Health  
 185 South Orange Ave., MSB-E506  
 Newark, New Jersey 07103-2714  
**Telephone:** (973) 972-4125  
**FAX:** (973) 972-4574  
**Email:** pasleyki@umdnj.edu; mcgovepg@umdnj.edu  
**Website:** www.umdnj.edu

**2010 1st yr positions** 1  
**Most recent year of Program Certification (Recertification)** 2007

### FACULTY APPOINTMENT

**1st year:** NA  
**2nd year:** NA  
**3rd year:** NA

**Program Length:** 3 years  
**3 yr conversion start date:** 1997  
**Prerequisites:** **Deadline for Receiving Fellowship Applications:** JUNE 1, 2009  
**Salary 1st Year:** \$60,730 (PGY-5)  
**Number of fellows trained within the past 5 years** 5  
**How many of them are currently in academic positions?** 2

### PROGRAM DESCRIPTION

	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b><u>Research Time</u></b>			
<b>Total Research time</b>			
Clinical	<u>20%</u>	<u>50%</u>	<u>50%</u>
Laboratory	<u>80%</u>	<u>50%</u>	<u>50%</u>
<b><u>Direct Patient Care</u></b>			
<b>Total Clinical Time</b>			
Endocrine	<u>0%</u>	<u>20%</u>	<u>20%</u>
Infertility	<u>0%</u>	<u>75%</u>	<u>75%</u>
Obstetrics/Gynecology	<u>0%</u>	<u>5%</u>	<u>5%</u>
<b><u>Surgical Procedures</u></b>			
<b>Diagnostic/Operative</b>			
Laparoscopies	<u>0</u>	<u>30</u>	<u>9</u>
Hysteroscopies	<u>0</u>	<u>79</u>	<u>20</u>
<b>Assisted Reproduction</b>	<u>0</u>	<u>70</u>	<u>22</u>
<b>Laparotomies</b>	<u>0</u>	<u>15</u>	<u>2</u>

### GRADUATE LEVEL COURSES

	Mandatory (M)	Recommended (R)	Offered (O)
	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
Statistics/Epidemiology	M		
Research Methodology	M		
Genetics/Molecular Biology			
Other Basic Science			
Other Clinical Course			

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# UMD-NEW JERSEY MEDICAL SCHOOL

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## FACULTY

\* = Full Time

\*\* = Other

### Reproductive Endocrinology/Infertility

\* Michael Cho, M.D.

\* Laura T. Goldsmith, Ph.D.

\* Nicholas Illsley, D.Phil.

\*\* David McCulloh, Ph.D.

\* Jacquelyn Loughlin, M.D.

\* Peter McGovern, M.D.

\*\*Taonei Mushayandebvu, M.D.

\*Aimee Seungdamrong, M.D.

\* Gerson Weiss, M.D.

### Areas of Special Interest

Endothelial Function and HRT,  
Andrology

Corpus Luteum Physiology, Signal  
Transduction, and Endocrinology  
of Pregnancy

Trophoblast Transport, Implantation  
Endometrial Function

In Vitro Fertilization, Embryology  
Oocyte Cryopreservation

Unexplained Infertility, Polycystic  
Ovarian Syndrome

Infertility, In Vitro Fertilization,  
Ovarian and Corpus Luteum Function

Clinical Infertility, Reproductive Surgery

Infertility, Female Fertility Preservation

Menopause, Physiology of Relaxin

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### BRIEF DESCRIPTION OF PROGRAM WITH TEACHING ACTIVITIES DISCUSSED

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The Reproductive Endocrine Fellowship at New Jersey Medical School combines an active clinical practice with the opportunity to perform high-caliber basic or clinical research. The research component includes support from both industry and NIH grants for basic and clinical research. These targeted investigators offer the Fellow the chance for participation in and management of a large variety of research protocols.

A large core laboratory is in operation within the Division, encompassing all reproductive hormone immunoassays and ELISAs, molecular biology, a sophisticated tissue and organ culture facility and a variety of technical equipment suitable for biomedical research.

The clinical base of the Fellowship is University Reproductive Associates, a free-standing patient care facility located in suburban Bergen County, through which approximately 335 IVF cycles and 500 gonadotropin or clomiphene IUI cycles are managed annually by Fellows and staff. Patients suitable for clinical research are recruited from the Center.

A key component at the program is a sincere commitment to protected research time, allowing the Fellow to finish a published thesis project and the skills to maintain a productive ongoing research career. To this end, the entire first year is protected for research (and the two graduate level courses). Years two and three are divided 50/50 between research and clinical time, with rotations through our own busy practice, Clinical Genetics, Pediatric Endocrinology and Male Infertility at Hackensack Medical Center and our Newark clinics for REI and Medical Endocrinology.

Fellows are encouraged to take their General OB/GYN Board exams during Fellowship, and given free time and support to attend the NIH and SREI conferences in Colorado. Thus, the overall scope and versatility of both research and clinical venues remain the most attractive features of New Jersey Medical School's REI Fellowship Program.

# UNIVERSITY OF ALABAMA AT BIRMINGHAM

<b>Program Director:</b> Cynthia K. Sites, M.D. <b>Mailing Address:</b> University of Alabama at Birmingham 619 19th Street, South, OHB 340 Birmingham, AL 35249-7333 <b>Telephone:</b> (205) 934-1030 <b>FAX:</b> (205) 975-5732 <b>Email:</b> <a href="mailto:csites@uab.edu">csites@uab.edu</a> <b>Website:</b> <a href="http://www.fertilityalabama.org">www.fertilityalabama.org</a>	<b>2009 1st yr positions</b> 1 <b>Most recent year of Program Certification (Recertification)</b> 2004 <hr/> <b>FACULTY APPOINTMENT</b> <b>1st year:</b> Instructor <b>2nd year:</b> Instructor <b>3rd year:</b> Instructor
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<b>Program Length:</b> 3 years <b>3 yr conversion start date:</b> 7/1/2002 <b>Prerequisites:</b> OB/GYN Residency <b>Salary 1st Year:</b> \$48,750.00	<b>Fellowship Application Deadline:</b> Aug-1  <b>Number of fellows trained within the past 5 years</b> 4 <b>How many of them are currently in academic positions?</b> 0
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PROGRAM DESCRIPTION	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b><u>Research Time</u></b>			
Total Research time	<b>20%</b>	<b>85%</b>	<b>50%</b>
Clinical	<u>50%</u>	<u>50%</u>	<u>50%</u>
Laboratory	<u>50%</u>	<u>50%</u>	<u>50%</u>
<b><u>Direct Patient Care</u></b>			
Total Clinical Time	<b>80%</b>	<b>15%</b>	<b>50%</b>
Endocrine	<u>25%</u>	<u>5%</u>	15%
Infertility	<u>50%</u>	<u>5%</u>	30%
Obstetrics/Gynecology	<u>5%</u>	<u>5%</u>	5%
<b><u>Surgical Procedures</u></b>			
<b>Diagnostic/Operative</b>			
Laparoscopies	<u>40</u>	<u>14</u>	28
Hysteroscopies	<u>24</u>	<u>11</u>	18
Assisted Reproduction	30	17	23
Laparotomies	<u>50</u>	<u>15</u>	21

<b>GRADUATE LEVEL COURSES</b>			
<b>Mandatory (M), Recommended (R), Offered (O)</b>			
	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
Statistics/Epidemiology	M	O	O
Research Methodology	M	O	O
Genetics/Molecular Biology	O	R	O
Other Basic Science	O	R	O
Other Clinical Course	O	O	O

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# UNIVERSITY OF ALABAMA AT BIRMINGHAM

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## FACULTY

\* = Full Time

\*\* = Other

### Reproductive Endocrinology/Infertility

\*G. Wright Bates, Jr., M.D.

\*Richard E. Blackwell, Ph.D., M.D.

\*C. Richard Parker, Jr., Ph.D.

\*\*Robert W. Rebar, M.D.

\*Cynthia K. Sites, M.D.

### Areas of Special Interest

In vitro fertilization,  
reproductive surgery, polycystic  
ovarian syndrome, premature ovarian failure

Pathophysiology of gonadotropin  
and prolactin secretion,  
contraceptive technology, menopause

Endocrinology of pregnancy, adrenal  
physiology and aging

Disorders of puberty and ovarian  
function, menopause

Menopause and metabolic disorders,  
pediatric & adolescent endocrinology,  
translational research, in vitro fertilization

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## BRIEF DESCRIPTION OF PROGRAM WITH TEACHING ACTIVITIES DISCUSSED

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The Reproductive Endocrinology and Infertility training program at the University of Alabama at Birmingham is a three-year program designed to give excellent training in both clinical and research aspects of the specialty. The first year is designed to provide the backbone of clinical training, with 10 months devoted to clinical duties and 2 months devoted to a research rotation. During the first 2 months, the fellow spends time learning transvaginal ultrasound and intrauterine insemination, along with an introduction to REI office patients. The fellow spends an additional 4 months seeing REI office patients and doing reproductive surgery, with exposure to IVF. One month each of pediatric and adult endocrinology is included. The fellow also spends time in the gamete biology lab and with male infertility specialist in urology during the first year. During the second year, the fellow spends 2 months in clinical duties and 10 months in research. The majority of the thesis, either basic or translational research, is completed during the second year. During the third year, the fellows spend 6 months on clinical duties, with more exposure to IVF skills and the IVF lab, with 6 months on research. The thesis should be completed and written during the third year.

## UCLA MEDICAL CENTER

**Program Director:** Gautam Chaudhuri, M.D., Ph.D.  
**Mailing Address:** UCLA Medical Center  
 Dept. of Ob/Gyn  
 10833 Le Conte Ave., 27-117 CHS  
 Los Angeles, CA 90095-1740  
**Telephone:** (310) 206-6558  
**FAX:** (310) 206-6531  
**Email:** [Gchaudhuri@mednet.ucla.edu](mailto:Gchaudhuri@mednet.ucla.edu)  
[schi@mednet.ucla.edu](mailto:schi@mednet.ucla.edu)  
**Website:** <http://www.uclaobgyn.com/academics/rei-fellowship>

**2010 1st yr positions** **2**  
**Most recent year of Program Certification (Recertification)** **1999**  
**2008**

### FACULTY APPOINTMENT

**1st year:** No  
**2nd year:** No  
**3rd year:** No

**Program Length:** 3 years  
**3 yr conversion start date:** 1998  
**Prerequisites:** Ob/Gyn Residency/CA license  
**Salary 1st Year:** \$52,905.00  
**Fellowship Application Deadline:** Jul-31  
**Number of fellows trained within the past 5 years** 9  
**How many of them are currently in academic positions?** 1

### PROGRAM DESCRIPTION

	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b><u>Research Time</u></b>			
<b>Total Research time</b>			
Clinical	<u>90%</u>	<u>50%</u>	<u>10%</u>
Laboratory	<u>10%</u>	<u>50%</u>	<u>90%</u>
<b><u>Direct Patient Care</u></b>			
<b>Total Clinical Time</b>			
Endocrine	<u>30%</u>	<u>30%</u>	<u>30%</u>
Infertility	<u>65%</u>	<u>65%</u>	<u>65%</u>
Obstetrics/Gynecology	<u>5%</u>	<u>5%</u>	<u>5%</u>
<b><u>Surgical Procedures</u></b>			
<b>Diagnostic/Operative</b>			
Laparoscopies	<u>21</u>	<u>10</u>	<u>6</u>
Hysteroscopies	<u>30</u>	<u>15</u>	<u>6</u>
<b>Assisted Reproduction</b>	<u>75</u>	<u>46</u>	<u>10</u>
<b>Laparotomies</b>	<u>36</u>	<u>14</u>	<u>2</u>

### GRADUATE LEVEL COURSES

Mandatory (M), Recommended (R), Offered (O)

	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
Statistics/Epidemiology	O	O	M
Research Methodology		M	
Genetics/Molecular Biology	O	O	O
Other Basic Science	O	O	O
Other Clinical Course			

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# UCLA MEDICAL CENTER

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## FACULTY

\* = Full Time

\*\* = Other

### Reproductive Endocrinology/Infertility

\*Gautam Chaudhuri, M.D., Ph.D.  
(Chair & Director, UCLA)

\*\*Carolyn Alexander, MD (Cedars-Sinai)

\*Ricardo Azziz, M.D. (Cedars-Sinai)

\*\*Phillip Brooks, M.D. (Cedars-Sinai)

\*\*Wendy Chang, M.D. (ART)

\*\*Yii-Der Ida Chen, Ph.D. (ART)

\*\*Hal C. Danzer, M.D. (ART)

\*William Freije, M.D., Ph.D. (UCLA)

\*\*David L. Hill, Ph.D. (ART)

\*Lee C. Kao, M.D., Ph.D. (Cedars-Sinai)

\*John Kuo, M.D. (UCLA)

\*\*Man Li, M.D., Ph.D. (ART)

\*\*David R. Meldrum, M. D. (Reproductive Partners)

\*Margaret Pisarska, M.D. (Cedars-Sinai)

\*Mousa Shamonki, M.D. (UCLA)

\*\*Mark Surrey, M.D. (ART)

\*T.C. Jackson Wu, M.D., Ph.D. (UCLA)

### Areas of Special Interest

Vasoactive Substances,  
Menopause

Infertility

PCOS, Reproductive Surgery

Hysteroscopy

ART: Infertility

ART: Genetics

ART: Infertility

Menopause, Genetics

ART: Infertility

Endometriosis and Implantation

IVF, Menopause

ART: Pre-implantation Genetics

IVF

Ovarian Follicle Development

IVF

ART: Pelviscopy

Retinoic Acid Metabolism

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## BRIEF DESCRIPTION OF PROGRAM WITH TEACHING ACTIVITIES DISCUSSED

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The Division of Reproductive Endocrinology and Infertility at UCLA Medical Center has an affiliation with Cedars-Sinai Medical Center for the purposes of teaching and research. The fellowship is a 3-year program individualized to meet the needs and interests of each trainee. The fellowship will also satisfy the requirements of the subspecialty board of Reproductive Endocrinology of the American Board of Obstetrics and Gynecology. The program presently has two fellows completing their 18 months research training and two fellows in their 18 months of clinical training. The program is directed towards giving each fellow the clinical skills and research background needed to begin an academic career in Obstetrics and Gynecology.



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# UC SAN DIEGO SCHOOL OF MEDICINE

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## FACULTY

\* = Full Time

\*\* = Other

### Reproductive Endocrinology/Infertility

### Areas of Special Interest

\*Sanjay Agarwal, M.D.

Endometriosis, ART

\*R. Jeffrey Chang, M.D.

Reproductive Endocrinology, PCOS

\*\*Gabriel Garzo, M.D.

Assisted Reproductive Technology

\*\*Larry Laufer, M.D.

Infertility, ART

\*Mark Lawson, Ph.D.

Molecular Neuroendocrinology

\*\*Li-Shei Lin, M.D.

Infertility

\*\*David Meldrum, M.D.

Assisted Reproductive Technology

\*Pamela Mellon, Ph.D.

Molecular Neuroendocrinology

\*Shunichi Shimasaki, Ph.D.

Molecular Ovarian Biology

\*\*Richard Y. Yoo, M.D.

Infertility

\*Alexander (Sasha) Kauffman, Ph.D.

Molecular Neuroendocrinology

### BRIEF DESCRIPTION OF PROGRAM WITH TEACHING ACTIVITIES DISCUSSED

This program offers balanced exposure to clinical training and clinical and basic research in reproductive endocrinology and infertility. Fellows actively participate in ongoing research projects and initiate their own protocols with respect to altered physiology and reproductive disorders. These projects encompass clinical investigation as well as cellular and molecular research.

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# UC SAN FRANCISCO

**Program Director:** Marcelle I. Cedars, M.D.  
**Mailing Address:** Center for Reproductive Health  
 Univ. of California, San Francisco  
 1635 Divisadero Street, Ste. 601  
 San Francisco, CA 94115  
**Telephone:** (415) 353-9776  
**FAX:** (415) 353-9788  
**Email:** [cedarsm@obgyn.ucsf.edu](mailto:cedarsm@obgyn.ucsf.edu) Program Director  
**Email:** [darea@obgyn.ucsf.edu](mailto:darea@obgyn.ucsf.edu) Program Coordinator  
**Website:** [www.obgyn.ucsf.edu](http://www.obgyn.ucsf.edu)

**2010 1st yr positions** 2  
**Most recent year of Program Certification (Recertification)** 2003  
 2007

### FACULTY APPOINTMENT

**1st year:** None  
**2nd year:** None  
**3rd year:** None

**Program Length:** 3 years  
**3 yr conversion start date:** 1997  
**Prerequisites:** Residency in OB/GYN  
**Salary 1st Year:** \$61,275  
**Fellowship Application Deadline:** Jun-1

**Number of fellows trained within the past 5 years** 8  
**How many of them are currently in academic positions?** 4

### PROGRAM DESCRIPTION

	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b><u>Research Time</u></b>			
<b>Total Research time</b>			
Clinical	<u>25%</u>	<u>50%</u>	<u>50%</u>
Laboratory	<u>25%</u>	<u>40%</u>	<u>50%</u>
<b><u>Direct Patient Care</u></b>			
<b>Total Clinical Time</b>			
Endocrine	<u>30%</u>	<u>10%</u>	<u>10%</u>
Infertility	<u>20%</u>	<u>30%</u>	<u>40%</u>
Obstetrics/Gynecology	<u>0%</u>	<u>0%</u>	<u>0%</u>
<b><u>Surgical Procedures</u></b>			
<b>Diagnostic/Operative</b>			
Laparoscopies	<u>25</u>	<u>3</u>	<u>86</u>
Hysteroscopies	<u>30</u>	<u>8</u>	<u>108</u>
<b>Assisted Reproduction</b>	<u>85</u>	<u>5</u>	<u>268</u>
<b>Laparotomies</b>	<u>15</u>	<u>2</u>	<u>15</u>

### GRADUATE LEVEL COURSES

Mandatory (M), Recommended (R), Offered (O)

	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
Statistics/Epidemiology	M	O	O
Research Methodology	R	R	O
Genetics/Molecular Biology	M	R	O
Other Basic Science	O	R	R
Other Clinical Course	O	O	O

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## UC SAN FRANCISCO

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### FACULTY

\* = Full Time

\*\* = Other

#### Reproductive Endocrinology/Infertility

#### Areas of Special Interest

*Marcelle I. Cedars, M.D. (REI Division Director)		Polycystic ovary syndrome, premature ovarian failure
*Anthony T. Dobson, M.D., Ph.D Delete		Gene expression in oocytes and early embryos
*Susan Fisher, Ph.D.		Human trophoblast invasion, implantation
*Victor Y. Fujimoto, M.D. (IVF Program Director)		IVF, conservative treatment of leiomyomata
*Robert B. Jaffe, M.D.		Endocrinology of menstrual cycle and fetal adrenal
*Dale Leitman, M.D., Ph.D.		Estrogen receptors alpha and beta, transcriptional regulation
*Synthia H. Mellon, Ph.D.		Neurosteroids, steroid hormone metabolism
*Walter Miller, M.D.		Adrenarache, steroid hormone metabolism
*Paolo Rinaudo, M.D., Ph.D.		IVF, embryonic effects and genomic imprinting
*Sae H. Sohn, M.D.		Infertility, tubal microsurgery
*Paul Turek, M.D.		Andrology, genetics of male infertility
*Richard I. Weiner, Ph.D.		Neuroendocrinology, GnRH regulation
*Eugene Y. Xu, Ph.D. Delete		Germ cell differentiation, gene trapping
*Linda Giudice, M.D., Ph.D., MS.c		Endometriosis, implantation and ovulatory disorders, infertility and assisted reproduction
*Marco Conti, MD Add-all (Director, Center for Reproductive Sciences)		Germ cell terminal differentiation and mechanisms of ovulation
*Mitchell Rosen, M.D. Add description		Folliculogenesis and fertility preservation
*Sonya Kashyap, MD, MSc Epi Add-all		Development of decision aides in reproductive medicine and fertility preservation
*Heather Huddleston, M.D. Add description		Oocyte retrieval and embryo transfer, Functional Hypothalamic Amenorrhea; Folliculogenesis; Recurrent pregnancy loss
**Robert Blelloch, MD, PhD Add-all		Stem cells, epigenetics and cancer
**Robert Nachtigall, MD Add-all		Social, ethical and emotional aspects of infertility; the medical, ethical psychological issues involved in the practice of gamete donation, and disparities in access to fertility care based on socioeconomic status
**Shehua Shen, MD, ECLD Add-all (Director, Embryology Laboratory )		Non-invasive methods for selection of implantable embryos (metabolomics) and modes to improve IVF outcome including optimization of co-culture techniques.
**Lauri Pasch, PhD Add-all		Research Clinical Psychologist assists fellows with clinical and research study design. Special interests include the psycho-social implications of reproductive health care
**Mary Croughan, PhD Add All (Co-Director REI Clinical Research)		Reproductive and perinatal epidemiology and clinical research studies

#### **BRIEF DESCRIPTION OF PROGRAM WITH TEACHING ACTIVITIES DISCUSSED**

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The fellowship program includes training in infertility and advanced reproductive technology and clinical experience in pediatric and adult gynecologic endocrinology. Formal coursework, an extensive seminar series, and a strong investigative program in reproductive endocrinology are offered. By the conclusion of the fellowship, the fellow should be prepared to function as an independent investigator in reproductive endocrinology and as a well-trained clinical gynecologic endocrinologist.

The clinical training is provided by M.D. members of the UCSF REI division, our andrologist and selected pediatric and medical endocrinologists. Among them, a large number of patients with a wide variety of endocrine, infertility, and genetic problems are seen. These include amenorrhea, anovulatory bleeding, hirsutism, intersex problems, in vitro fertilization, female and male infertility, menopausal syndromes, precocious puberty, pituitary tumors, thyroid disorders, tubal surgery (including microsurgery), adrenal disorders and related problems.

Two "tracks" are available to REI fellows: 1) a primarily basic science research track, and 2) a clinical investigative track. Both of these are pursued concurrently with clinical endocrine and infertility practice. The tracks are not mutually exclusive, and most fellows pursuing basic science research also participate in some clinical study.

In the basic science track, the fellow spends the bulk of his/her time designing the research projects with the REI faculty mentor(s) involved, learning the laboratory techniques necessary to carry out the project, performing all aspects of the project with appropriate supervision, and analyzing, writing up and presenting the data. The clinical investigative track is very similar in construct, but the "laboratory" is the Reproductive Medicine unit, in which clinical investigations of normal subjects and patients are carried out by the fellows under faculty supervision. The trainees design the protocols and learn to perform the quantitative assays, such as radioimmunoassay, ELISA, genetic polymorphism detection, or high performance liquid chromatography, necessary to analyze the samples obtained for the research studies.

# UNIVERSITY OF CINCINNATI

**Program Director:** Michael A. Thomas, M.D.  
**Mailing Address:** Univ. of Cincinnati Medical Center  
 P.O. Box 670526  
 Cincinnati, OH 45267-0526  
**Telephone:** (513) 584-0784  
**FAX:** (513) 584-0337  
**Email:** [michael.thomas@uc.edu](mailto:michael.thomas@uc.edu)  
[angel.hall@uc.edu](mailto:angel.hall@uc.edu)  
**Website:** [www.ucfertility.com](http://www.ucfertility.com)

**2010 1st Year Positions** 1  
**Most recent year of Program Certification (Recertification)** 2005

**FACULTY APPOINTMENT**  
**1st year:** Clinical Instructor  
**2nd year:** Clinical Instructor  
**3rd year:** Clinical Instructor

**Program Length:** 3 years  
**3 yr conversion start date:** 1995  
**Prerequisites:** Residency in Ob/Gyn  
**Salary 1st Year:** \$52,746.00

**Fellowship Application Deadline:** Jun-30

**Number of fellows trained within the past 5 years** 5  
**How many of them are currently in academic positions?** 2

## PROGRAM DESCRIPTION

	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b><u>Research Time</u></b>			
<b>Total Research time</b>	<b><u>10%</u></b>	<b><u>50%</u></b>	<b><u>90%</u></b>
<b>Clinical</b>	<b><u>80%</u></b>	<b><u>20%</u></b>	<b><u>0%</u></b>
<b>Laboratory</b>	<b><u>20%</u></b>	<b><u>80%</u></b>	<b><u>100%</u></b>
<b><u>Direct Patient Care</u></b>			
<b>Total Clinical Time</b>	<b><u>90%</u></b>	<b><u>50%</u></b>	<b><u>10%</u></b>
<b>Endocrine</b>	<b><u>50%</u></b>	<b><u>25%</u></b>	<b><u>60%</u></b>
<b>Infertility</b>	<b><u>50%</u></b>	<b><u>75%</u></b>	<b><u>40%</u></b>
<b>Obstetrics/Gynecology</b>	<b><u>0%</u></b>	<b><u>0%</u></b>	<b><u>0%</u></b>
<b><u>Surgical Procedures</u></b>			
<b>Diagnostic/Operative</b>			
<b>Laparoscopies</b>	<b><u>100</u></b>	<b><u>50</u></b>	<b><u>25</u></b>
<b>Hysteroscopies</b>	<b><u>50</u></b>	<b><u>30</u></b>	<b><u>10</u></b>
<b>Assisted Reproduction</b>	<b><u>100</u></b>	<b><u>100</u></b>	<b><u>0</u></b>
<b>Laparotomies</b>	<b><u>15</u></b>	<b><u>10</u></b>	<b><u>12</u></b>

## GRADUATE LEVEL COURSES

Mandatory (M), Recommended (R), Offered (O)

	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b>Statistics/Epidemiology</b>	M	O	O
<b>Research Methodology</b>	O	R	R
<b>Genetics/Molecular Biology</b>	O/R	R	R
<b>Other Basic Science</b>			
<b>Other Clinical Course</b>			

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# UNIVERSITY OF CINCINNATI

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## FACULTY

\* = Full Time

\*\* = Other

### Reproductive Endocrinology/Infertility

\*Mira Aubuchon, M.D.  
Assistant Professor, Ob/Gyn

\*Kenneth Clark, Ph.D.  
Professor, Ob/Gyn

\*Margery Gass, M.D.  
Professor, Director of Osteoporosis Center

\*Stuart Handwerger, M.D.  
Professor, Director of Pediatric Endocrinology

\*Shuk-mei Ho, Ph.D.  
Director of Academic Medicine, Environmental Health

\*Nelson Horseman, Ph.D.  
Professor, Molecular and Cellular Physiology

\*Anil Menon, Ph.D.  
Professor, Molecular Genetics

\*Peter Stambrook, Ph.D.  
Professor, Cell and Cancer Biology

\*Michael A. Thomas, M.D.  
Professor, Director of REI Division  
Director of REI Fellowship Program

\*Daniel B. Williams, M.D.  
Professor, Director of IVF Program

### Areas of Special Interest

Assisted Reproduction,  
Polycystic Ovarian Syndrome

Hormonal Regulation of Coronary Uterine,  
Blood Flow in the Sheep Model

Menopause, Osteoporosis

Endometrial Decidualization

DNA Methylation of Hormon Receptor  
Genes in PCOS

Prolactin Receptor Differentiation in  
Breast Cancers

Fetal Programming

BRCA2 Gene Interactions  
Genomic Integrity, Embryonic Stem Cells

The Effects of Stress on Reproductive  
Hormones, Hormonal Contraception

Assisted Reproduction, Menopause

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## BRIEF DESCRIPTION OF PROGRAM WITH TEACHING ACTIVITIES DISCUSSED

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The major goal of our three-year fellowship program in Reproductive Endocrinology and Infertility is to provide advanced training in both the clinical aspects of RE and pathophysiology of mammalian reproduction. Basic instruction in the physiologic principles of hormone action is combined with clinical instruction involving the pathophysiology of disorders of human reproductive function to provide a fellowship experience with sufficient depth for development of competent and complete endocrine and infertility specialists. Areas in which the fellow can have "hands-on" experience include RIA, EIA, cell culture techniques, receptor binding, embryo culture, PCR, Western, Southern, and Northern blots. Guided experience in the conference room, in basic and clinical research activities, extensive surgical experience (robotic and non-robotic), and in the writing of grant proposals aimed at initiating fellows into productive academic/investigative careers in reproductive endocrinology. During the last 18 months of training, the fellow will expand and further develop research projects and hone grant writing skills. It is anticipated that these endeavours will serve as a sound base for submission of extramural grant applications prior to completion of fellowship training. First year fellows are expected to apply for the SREI/University of Pennsylvania T32 training grant. Third year fellows may be eligible for a five year NIH sponsored BIRCH grant that was awarded to the Department.

# UNIVERSITY OF CONNECTICUT

<b>Program Director:</b> John C. Nulsen, M.D.  <b>Mailing Address:</b> University of Connecticut Ctr for Advanced Reproductive Services 263 Farmington Avenue Farmington, CT 06030-6221  <b>Telephone:</b> (860) 679-3305 <b>FAX:</b> (860) 679-1436 <b>Email:</b> <a href="mailto:Nulsen@NSO1.uchc.edu">Nulsen@NSO1.uchc.edu</a>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;"><b>2010 1st yr positions</b></td> <td style="text-align: right;"><b>1</b></td> </tr> <tr> <td><b>Most recent year of Program Certification (Recertification)</b></td> <td style="text-align: right;"><b>2005</b></td> </tr> </table> <hr/> <b>FACULTY APPOINTMENT</b> <b>1st year:</b> Instructor <b>2nd year:</b> Instructor <b>3rd year:</b> Instructor	<b>2010 1st yr positions</b>	<b>1</b>	<b>Most recent year of Program Certification (Recertification)</b>	<b>2005</b>
<b>2010 1st yr positions</b>	<b>1</b>				
<b>Most recent year of Program Certification (Recertification)</b>	<b>2005</b>				

<b>Program Length:</b>	3 years	
<b>3 yr conversion start date:</b>	1997	<b>Fellowship Application</b>
<b>Prerequisites:</b>	Approved OB/GYN Residency Pass USMLE Step 3 Do not accept H-1 visas	<b>Deadline:</b> Jun-30
<b>Salary 1st Year:</b>	\$57,500.00	
<b>Number of fellows trained within the past 5 years</b>	5	
<b>How many of them are currently in academic positions?</b>	3	

PROGRAM DESCRIPTION	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b><u>Research Time</u></b>			
Total Research time	<u>10%</u>	<u>80%</u>	<u>60%</u>
Clinical	<u>10%</u>	<u>20%</u>	<u>15%</u>
Laboratory	<u>0%</u>	<u>60%</u>	<u>45%</u>
<b><u>Direct Patient Care</u></b>			
Total Clinical Time	<u>90%</u>	<u>20%</u>	<u>40%</u>
Endocrine	<u>10%</u>	<u>0%</u>	<u>5%</u>
Infertility	<u>75%</u>	<u>15%</u>	<u>30%</u>
Obstetrics/Gynecology	<u>5%</u>	<u>5%</u>	<u>5%</u>
<b><u>Surgical Procedures</u></b>			
<b><u>Diagnostic/Operative</u></b>			
Laparoscopies	<u>78</u>	<u>89</u>	<u>62</u>
Hysteroscopies	<u>89</u>	<u>120</u>	<u>96</u>
Assisted Reproduction	<u>72</u>	<u>125</u>	<u>64</u>
Laparotomies	<u>11</u>	<u>14</u>	<u>4</u>

GRADUATE LEVEL COURSES			
Mandatory (M), Recommended (R), Offered (O)			
	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
Statistics/Epidemiology	M		
Research Methodology	R		
Genetics/Molecular Biology	R		
Other Basic Science	O		
Other Clinical Course	O		

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# UNIVERSITY OF CONNECTICUT

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## FACULTY

\* = Full Time

\*\* = Other

### Faculty Member

\*Claudio Benadiva, M.D.  
\*Andrea DiLuigi, M.D.  
\* Lawrence Engmann, M.D.  
\*Stanton Honig, M.D.  
\*Mary Casey Jacob, Ph.D.  
\*\*Anthony A. Luciano, M.D.  
\*\*Lisa Mehlmann, Ph.D.  
  
\*\*August Olivar, M.D.  
\*John C. Nulsen, M.D.  
\*\* John J. Peluso, Ph.D.  
\*\*Karen Rubin, M.D.  
\*\*Melinda Sanders, M.D.  
\*David Schmidt, M.D.

### Areas of Special Interest

IVF, PGD, oocyte cryopreservation, endoscopic surgery  
IVF, oocyte donation, PCOS  
Endoscopic surgery, stimulation protocols, OHSS prevention  
Male Infertility  
Psychology of Pain, Infertility, Menopause  
Reproductive Surgery, Menopause, Endometriosis  
Signal transduction pathways regulating oocyte maturation and fertilization  
Laser applications, male infertility, CAH, PCOS  
IVF, Donor Egg, Ovulation Induction, PGD, Fertility Preservation  
Ovarian Function, Fertilization  
Pediatric and Adolescent Reproductive Endocrinology  
Endometrial Pathology, Pathology of Pregnancy Loss  
IVF, Ovulation Induction, Endoscopic Surgery, Egg Freezing

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## BRIEF DESCRIPTION OF PROGRAM WITH TEACHING ACTIVITIES DISCUSSED

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The first 14 months of the fellowship are devoted to clinical activities. The next 18 months are protected research time. In the last four months, the fellow will again spend time on the clinical services. The program has a very active clinical service that presents excellent opportunities for fellowship training. In 2007, there were about 1500 new patient visits. There were a total of 1118 IVF cycles and 1197 IUI cycles. Our excellent outpatient facility houses all clinical, lab, IVF retrieval and transfer facilities.

Most teaching results from the close working relationship between the fellows and attending. This is complemented by numerous didactic experiences, such as divisional journal clubs, reviews of chapters from standard textbooks with attendings, and weekly reproductive endocrinology and infertility seminars. The Clinic for Adolescent Gynecologic allows the fellow to study and treat the prepubescent child and adolescent woman with sexual maldevelopment or endocrine abnormalities. A Clinical Psychologist is an integral part of the program. Fellows can benefit from her insight into and handling of the emotional and psychological stresses experienced by infertility patients.

Basic research opportunities exist in the areas of oocyte maturation, ovarian function, and fertilization. Most clinical research has centered on IVF stimulation protocols and approaches which lead to higher pregnancy rates with lower multiple rates (efficient embryo freezing, improved embryo selection methods, limiting the number of embryos to transfer, etc.)

Fellows have minimal responsibilities outside the REI activities.

The strengths of the clinical program include the close relationship with the attending physicians, the active and varied clinical service, access to a specialized adolescent population, the large IVF program, and the close relationship between the IVF lab and the clinical staff. The suburban location of the program and the large referral base provides access to a large patient population without the potential problems of most urban settings. Fellows should be exceptionally well trained in all clinical REI procedures and be able to provide compassionate care to patients with infertility and endocrinopathies.

## UNIVERSITY OF IOWA

<b>Program Director:</b> BRAD VAN VOORHIS, M.D. <b>Mailing Address:</b> UNIVERSITY OF IOWA HOSPITALS AND CLINICS DEPT. OF OB/GYN, 31340 PFP 200 HAWKINS DRIVE IOWA CITY, IA 52246  <b>Telephone:</b> (319) 356-4536 <b>FAX:</b> (319) 353-6659 <b>Email:</b> brad-van-voorhis@uiowa.edu <b>Website:</b> www.uihealthcare.com/repromed	<b>No Fellowship Available in 2010</b> <b>Most recent year of (Recertification)</b> <span style="float: right;">2005</span>																																																																
<b>FACULTY APPOINTMENT</b>																																																																	
<b>1st year:</b> FELLOW I <b>2nd year:</b> FELLOW II <b>3rd year:</b> FELLOW III																																																																	
<b>Program Length:</b> 3 YEARS <b>3 yr conversion start date:</b> N/A <b>Prerequisites:</b> Medical Degree, anticipated completion of OB/GYN Residency <b>Salary 1st Year:</b> \$52,900 (2008-2009)	<b>Fellowship Application Deadline:</b> July 1st  <b>5 Fellows</b> <b>1 (2 Fellows Currently in Training)</b>																																																																
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	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;"></th> <th style="width: 15%; text-align: center;"><u>1st Year</u></th> <th style="width: 15%; text-align: center;"><u>2nd Year</u></th> <th style="width: 10%; text-align: center;"><u>3rd Year</u></th> </tr> </thead> <tbody> <tr> <td colspan="4"><b>Research Time</b></td> </tr> <tr> <td><b>Total Research time</b></td> <td style="text-align: center;">25%</td> <td style="text-align: center;">100%</td> <td style="text-align: center;">25%</td> </tr> <tr> <td>  <b>Clinical</b></td> <td></td> <td></td> <td></td> </tr> <tr> <td>  <b>Laboratory</b></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="4"><b>Direct Patient Care</b></td> </tr> <tr> <td><b>Total Clinical Time</b></td> <td style="text-align: center;">75%</td> <td style="text-align: center;">0%</td> <td style="text-align: center;">75%</td> </tr> <tr> <td>  <b>Endocrine</b></td> <td style="text-align: center;">50%</td> <td></td> <td style="text-align: center;">50%</td> </tr> <tr> <td>  <b>Infertility</b></td> <td style="text-align: center;">50%</td> <td></td> <td style="text-align: center;">50%</td> </tr> <tr> <td>  <b>Obstetrics/Gynecology</b></td> <td style="text-align: center;">0%</td> <td></td> <td style="text-align: center;">0%</td> </tr> <tr> <td colspan="4"><b>Surgical Procedures</b></td> </tr> <tr> <td colspan="4"><b>Diagnostic/Operative</b></td> </tr> <tr> <td>  <b>Laparoscopies</b></td> <td style="text-align: center;">~110</td> <td></td> <td style="text-align: center;">~110</td> </tr> <tr> <td>  <b>Hysteroscopies</b></td> <td style="text-align: center;">~100</td> <td></td> <td style="text-align: center;">~100</td> </tr> <tr> <td><b>Assisted Reproduction</b></td> <td style="text-align: center;">~300/year</td> <td></td> <td style="text-align: center;">~300/year</td> </tr> <tr> <td><b>Laparotomies</b></td> <td style="text-align: center;">~45</td> <td></td> <td style="text-align: center;">~45</td> </tr> </tbody> </table>		<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>	<b>Research Time</b>				<b>Total Research time</b>	25%	100%	25%	<b>Clinical</b>				<b>Laboratory</b>				<b>Direct Patient Care</b>				<b>Total Clinical Time</b>	75%	0%	75%	<b>Endocrine</b>	50%		50%	<b>Infertility</b>	50%		50%	<b>Obstetrics/Gynecology</b>	0%		0%	<b>Surgical Procedures</b>				<b>Diagnostic/Operative</b>				<b>Laparoscopies</b>	~110		~110	<b>Hysteroscopies</b>	~100		~100	<b>Assisted Reproduction</b>	~300/year		~300/year	<b>Laparotomies</b>	~45		~45
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<b>Total Clinical Time</b>	75%	0%	75%																																																														
<b>Endocrine</b>	50%		50%																																																														
<b>Infertility</b>	50%		50%																																																														
<b>Obstetrics/Gynecology</b>	0%		0%																																																														
<b>Surgical Procedures</b>																																																																	
<b>Diagnostic/Operative</b>																																																																	
<b>Laparoscopies</b>	~110		~110																																																														
<b>Hysteroscopies</b>	~100		~100																																																														
<b>Assisted Reproduction</b>	~300/year		~300/year																																																														
<b>Laparotomies</b>	~45		~45																																																														
<b>GRADUATE LEVEL COURSES</b>																																																																	
<b>Mandatory (M), Recommended (R), Offered (O)</b> <b>2nd Year at the University of Iowa is the coursework year.</b> <b>The Fellow will select among these recommended courses.</b>																																																																	
<b>Statistics/Epidemiology</b>	171:161 Introduction to Biostatistics ( M ) 171:241 Statistical Methods In Epidemiology ( O ) 173:140 Epidemiology I: Principles ( O )																																																																
<b>Research Methodology</b>	174:221 Evaluation and Outcomes in Health Care ( O ) 171:162 Design and Analysis of Experiments in the Biomedical Sciences ( O )																																																																
<b>Genetics/Molecular Biology</b>	127:191 Human Molecular Genetics ( O ) 173:225 Genetics and Epidemiology ( O ) 072:209 Receptors and Signal Introduction ( O )																																																																
<b>Other Basic Science</b>																																																																	
<b>Other Clinical Course</b>	Excellence in Faculty Development (O)																																																																

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# University of Iowa

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## FACULTY

\* = Full Time

\*\* = Other

### Reproductive Endocrinology/Infertility

Brad Van Voorhis, M.D. \*

Craig H. Syrop, M.D. \*\*

William A. Davis, M.D. \*

Ginny L. Ryan M.D. \*

Barbara Stegmann M.D. \*

### Areas of Special Interest

Infertility-cost effective care  
Reproductive Endocrinology  
Benign Uterine Conditions-polyps, fibroids  
Single-Embryo Transfer

Assisted Reproductive Technology  
Saline Infusion Sonography

Polycystic Ovarian Syndrome  
Ovulation Induction  
Hypothalamic Hypofunction Evaluation

Infertility Treatment Outcomes  
Ethics in Reproductive Medicine  
Surgical Treatment of Endometriosis  
Adolescent Gynecology

Fertility Preservation  
Endometriosis  
Outcomes Research in  
Reproductive Endocrinology & Infertility

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### BRIEF DESCRIPTION OF PROGRAM WITH TEACHING ACTIVITIES DISCUSSED

The Fellowship Program follows the educational objectives in the *Guide to Learning in Reproductive Endocrinology and Infertility*. We have a strong emphasis in clinical and reproductive endocrinology, infertility management including IVF, ultrasound evaluation of gynecological disorders and endoscopic s. Because we serve as a referral center for all of eastern Iowa, western Illinois, and northern Missouri, we many interesting and unusual cases including mullerian anomalies, primary amenorrhea patients and difficult surgical cases. As such, we offer fellows the educational opportunity of seeing the full breadth o our subspecialty. We also are dedicated to providing fellows excellent research opportunities in both ba science and clinical investigation. Publishing a thesis paper will be the first priority of our fellows. We expect our fellows to become strong researchers and clinicians.

# UNIVERSITY OF LOUISVILLE

**Program Director:** Steven T. Nakajima, M.D.  
**Mailing Address:** University of Louisville  
 Dept. of OB/GYN & Women's Health  
 550 S. Jackson Street  
 Louisville, KY 40202  
**Telephone:** (502) 629-2448  
**FAX:** (502) 629-2444  
**Email:** [steven.nakajima@louisville.edu](mailto:steven.nakajima@louisville.edu)  
[beverly.williams@louisville.edu](mailto:beverly.williams@louisville.edu)  
**Website:** <http://www.kyinfertility.com/>

**2010 1st yr positions** 1  
**Most recent year of Program Certification (Recertification)** 2005

### FACULTY APPOINTMENT

**1st year:** Instructor  
**2nd year:** Instructor  
**3rd year:** Instructor

**Program Length:** 3 years  
**3 yr conversion start date:** 1998  
**Prerequisites:** Approved Residency in OB/GYN  
**Salary 1st Year:** \$55,241.00  
**Fellowship Application Deadline:** Aug-01

**Number of fellows trained within the past 5 years** 5  
**How many of them are currently in academic positions?** 1

### PROGRAM DESCRIPTION

	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b><u>Research Time</u></b>			
<b>Total Research time</b>			
<b>Clinical</b>	<u>2.50%</u>	<u>16.40%</u>	<u>9.75%</u>
<b>Laboratory</b>	<u>0%</u>	<u>70.00%</u>	<u>70.00%</u>
<b><u>Direct Patient Care</u></b>			
<b>Total Clinical Time</b>			
<b>Endocrine</b>	<u>25.00%</u>	<u>1.10%</u>	<u>2.75%</u>
<b>Infertility</b>	<u>65.00%</u>	<u>5.00%</u>	<u>10.00%</u>
<b>Obstetrics/Gynecology</b>	<u>7.50%</u>	<u>7.50%</u>	<u>7.50%</u>
<b><u>Surgical Procedures</u></b>			
<b>Diagnostic/Operative</b>			
<b>Laparoscopies</b>	<u>86</u>	<u>7</u>	<u>10</u>
<b>Hysteroscopies</b>	<u>62</u>	<u>0</u>	<u>8</u>
<b>Assisted Reproduction</b>	<u>0</u>	<u>0</u>	<u>102</u>
<b>Laparotomies</b>	<u>24</u>	<u>0</u>	<u>1</u>

### GRADUATE LEVEL COURSES

Mandatory (M), Recommended (R), Offered (O)

	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b>Statistics/Epidemiology</b>	O	M	O
<b>Research Methodology</b>	O	O	R
<b>Genetics/Molecular Biology</b>	O	M	O
<b>Other Basic Science</b>	O	O	O
<b>Other Clinical Course</b>	O	O	O

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# UNIVERSITY OF LOUISVILLE

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## FACULTY

\* = Full Time

\*\* = Other

### Reproductive Endocrinology/Infertility

### Areas of Special Interest

*Steven T. Nakajima, M.D.	ART, Contraception, Reproductive Endocrinology
*Henry C.L. Bohler, M.D.	PCOS, Reproductive Endocrinology
*Johanna S. Archer, V.M.D., M.S., M.D.	PCOS, Fertility Preservation, Menopausal Physiology
*Marvin A. Yussman, M.D.	Reproductive Surgery, Menopause
*Christine L. Cook, M.D.	Menopause, Infertility
*Ch. V. Rao, Ph.D.	Basic Science Research, hCG/LH
*Zhenmin Lei, Ph.D.	Basic Science Research, Cell/Molecular Biology Techniques

### Supporting Faculty

*S. Paige Hertweck, M.D.	Pediatric/Adolescent Gynecology
*James H. Shwayder, M.D., J.D.	Gynecologic Ultrasound, Advanced Laparoscopic Procedures
*Cicek Gerçel-Taylor, Ph.D.	Gynecologic Oncology
*Douglas D. Taylor, Ph.D.	Gynecologic Oncology
*Yong Siow, Ph.D.	Pediatric Surgery, Mullerian Inhibiting Substance
**Christopher G. Schrepferman, M.D.	Urology, Male Infertility, Microsurgical Procedures

### BRIEF DESCRIPTION OF PROGRAM WITH TEACHING ACTIVITIES DISCUSSED

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Our three-year Fellowship Training Program provides an intense educational experience for both the clinical and research aspects of the specialty. The division's private practice has 500 new patients and 7,000 follow-up visits annually, covering the endocrinological (infertility, contraception, menopause) and surgical aspects (operative endoscopy and microsurgery) of the subspecialty. Utilizing the "Guide to Learning in Reproductive Endocrinology" of the American Board of Obstetrics and Gynecology, organized weekly didactic sessions are incorporated into the clinical and research aspects of the program. Fellows are also exposed to a large well-established pediatric/adolescent gynecological practice which includes clinical care and surgical (reconstructive) cases. Established in 1984, the ART program has maintained an excellent ongoing pregnancy rate. The ART Fertility Center offers micromanipulation and donor gametes. The REI Division has extensive research facilities for a number of projects germane to the specialty. Additional research collaborations are available with other faculty members in the Division of Gynecological Oncology and in other departments within the University of Louisville School of Medicine. These clinical and basic science opportunities provide a well-coordinated educational experience.

# UNIVERSITY OF MICHIGAN

<p>Program Director: John F. Randolph, Jr.  Mailing Address: University of Michigan  1500 E. Medical Center Dr., L4100 Women's Hospital  Ann Arbor, MI 48109  Telephone: 734-936-7401  FAX: 734-647-9727  Email: <a href="mailto:jfrandol@med.umich.edu">jfrandol@med.umich.edu</a>  Website: <a href="http://www2.med.umich.edu/healthcenters">www2.med.umich.edu/healthcenters</a></p>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">2010 1st yr positions</td> <td style="text-align: right;">1</td> </tr> <tr> <td>Most recent year of Program Certification (Recertification)</td> <td style="text-align: right;">2007</td> </tr> </table> <hr/> <p><b>FACULTY APPOINTMENT</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">1st year:</td> <td style="text-align: right;">None</td> </tr> <tr> <td>2nd year:</td> <td style="text-align: right;">None</td> </tr> <tr> <td>3rd year:</td> <td style="text-align: right;">None</td> </tr> </table>	2010 1st yr positions	1	Most recent year of Program Certification (Recertification)	2007	1st year:	None	2nd year:	None	3rd year:	None																																																						
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# UNIVERSITY OF MICHIGAN

## FACULTY

### **REPRODUCTIVE ENDOCRINOLOGY AND INFERTILITY**

John F. Randolph, Jr., M.D., Professor OB/GYN and Division Director REI  
Gregory M. Christman, M.D., Associate Professor OB/GYN and Program Director of ART, CO-PI of the U10 Cooperative Reproductive Medicine Network  
Yolanda R. Smith, M.D., Associate Professor OB/GYN and Associate Chair for Clinical and Health Services Research  
Senait Fisseha, M.D., J.D., Assistant Professor OB/GYN and Director of ART

### **Areas of Special Interest**

Reproductive Aging, Clinical Reproductive Endocrinology  
Molecular biology and therapeutics of uterine leiomyoma, clinical trials in REI  
Neurobiology of reproductive hormones, clinical Adolescent Gynecology  
Reproductive Ethics and Law, Clinical ART

### **NON REI FACULTY**

Gary D. Smith, Ph.D., Associate Professor OB/GYN, Urology and Physiology  
Steven E. Domino, M.D., Ph.D., Assistant Professor OB/GYN and Cellular and Molecular Biology Program, Assist. Chair, Research Career Development  
Dana A. Ohi, M.D., Professor of Urology, Co-PI of the U10 Cooperative Reproductive medicine network  
K.M.J. Menon, Ph.D., Professor of OB/GYN and Biochemistry  
Jason Swain, Ph.D., Assistant Professor of OB/GYN and Laboratory Director of ART

Gamete physiology, cryobiology and microenvironment of gametes  
Glycobiology of the reproductive tract  
Therapeutics of anejaculation, male infertility and erectile dysfunction  
Mechanisms of gonadotropin action in the ovary  
Gamete cryobiology, Clinical ART

## **BRIEF DESCRIPTION OF PROGRAM WITH TEACHING ACTIVITIES**

The Reproductive Endocrinology and Infertility Fellowship Program at the University of Michigan is designed to prepare fellows for careers in academic Reproductive Endocrinology and Infertility. It provides a progressive program of scientific inquiry, clinical competence, and didactic learning based on the educational objectives outlined by the 2004 Guide to Learning in Reproductive Endocrinology and Infertility from the American Board of Obstetrics and Gynecology. The full range of clinical, educational and investigative competencies is expected from graduates of the program, with particular emphasis on the acquisition of basic research skills by physicians who have completed training in general clinical Obstetrics and Gynecology in an ABOG approved program. The basic training structure evolves from a primarily clinical focus at the beginning of the Fellowship to a greater concentration on research later in the Program, for a total of 18-24 months devoted to research. Courses in biostatistics and either molecular biology or epidemiology are required.

# UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

<b>Program Director:</b> Marc A. Fritz, M.D. <b>Mailing Address:</b> UNC School of Medicine Dept of OB/GYN CB #7570, 4001 Old Clinic Chapel Hill, NC 27599-7570  <b>Telephone:</b> (919) 966-5283 <b>FAX:</b> (919) 966-5214 <b>Email:</b> marc_fritz@med.unc.edu <b>Website:</b>	<b>NO FELLOWSHIP IN 2010</b> <b>Most recent year of Program Certification (Recertification)</b> <b>2005</b>
	<b>FACULTY APPOINTMENT</b> <b>1st year:</b> Instructor <b>2nd year:</b> Instructor <b>3rd year:</b> Instructor
<b>Program Length:</b> 3 years <b>3 yr conversion start date:</b> 1998 <b>Prerequisites:</b> Approved Residency <b>Salary 1st Year:</b> \$50,000	<b>Fellowship Application Deadline:</b> Jul-15
<b>Number of fellows trained within the past 5 years</b> 3 <b>How many of them are currently in academic positions?</b> 2	

PROGRAM DESCRIPTION	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b><u>Research Time</u></b>			
Total Research time	<u>30%</u>	<u>70%</u>	<u>30%</u>
Clinical	<u>50%</u>	<u>25%</u>	<u>70%</u>
Laboratory	<u>50%</u>	<u>75%</u>	<u>30%</u>
<b><u>Direct Patient Care</u></b>			
Total Clinical Time	<u>70%</u>	<u>30%</u>	<u>70%</u>
Endocrine	<u>25%</u>	<u>25%</u>	<u>25%</u>
Infertility	<u>75%</u>	<u>75%</u>	<u>75%</u>
Obstetrics/Gynecology	<u>0%</u>	<u>0%</u>	<u>0%</u>
<b><u>Surgical Procedures</u></b>			
Diagnostic/Operative	<u>75</u>	<u>30</u>	<u>75</u>
Laparoscopies	<u>50</u>	<u>20</u>	<u>50</u>
Hysteroscopies	<u>25</u>	<u>10</u>	<u>25</u>
Assisted Reproduction	<u>60</u>	<u>25</u>	<u>60</u>
Laparotomies	<u>20</u>	<u>10</u>	<u>20</u>

<b>GRADUATE LEVEL COURSES</b>			
Mandatory (M), Recommended (R), Offered (O)	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
Statistics/Epidemiology		O	
Research Methodology		O	
Genetics/Molecular Biology		O	
Other Basic Science		O	
Other Clinical Course		O	

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# UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

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## FACULTY

\* = Full Time

\*\* = Other

### Reproductive Endocrinology/Infertility

### Areas of Special Interest

\*Marc A. Fritz, M.D.

ART, Implantation, Corpus Luteum Function/  
Regulation

\*Steven L. Young, M.D., Ph.D.

Reproductive Immunology, Endometrium

\*Anne Steiner, M.D., M.S.

Ovarian Aging, Reproductive Epidemiology

\*Jennifer Mercereau, M.D., M.S.

Outcomes Research, Oncofertility

\*Stan A. Beyler, Ph.D.

Fertilization, Gamete/ Embryo Micromanipulation

\*Silvia Ramos, M.D., Ph.D.

Clinical Embryology, Gamete Development

\*\*Carmen Williams, M.D., Ph.D.

Endometrium, Implantation, Gamete Developer

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## BRIEF DESCRIPTION OF PROGRAM WITH TEACHING ACTIVITIES DISCUSSED

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The fellowship training program in Reproductive Endocrinology in the Department of Obstetrics and Gynecology at the University of North Carolina at Chapel Hill offers a thorough and balanced training experience in the subspecialty. The first nine months of training are devoted to the development of clinical skills in the management of disorders in reproductive endocrinology, pediatric and medical endocrinology, and infertility, to include the spectrum of assisted reproductive technologies, and an introduction to clinical research. Fellows serve as the primary physician for their own patient population. During the next eighteen months, the focus is on formal laboratory training, basic bench research, required postgraduate work, and basically oriented clinical research activities. The last nine months of training offer the fellow the opportunity to function as a subspecialty consultant in Reproductive Endocrinology and to complete the chosen lines of basic and clinical investigation. A large referral base provides ample clinical experience and ongoing research activities provide opportunities for research in a wide variety of areas. As a junior faculty member, fellows have occasional night call responsibility for the benign gynecology service, with attending faculty back-up. Fellows have no obligations to the obstetrical service at any time.

# UNIVERSITY OF PENNSYLVANIA

<b>Program Director:</b> Christos Coutifaris, M.D., Ph.D. <b>Mailing Address:</b> Univ. of Pennsylvania Med. Ctr. 3701 Market Street Suite 800 Philadelphia, PA 19104-4283  <b>Telephone:</b> (215) 662-3378 <b>FAX:</b> (215) 349-5512 <b>Email:</b> <a href="mailto:ccoutifaris@obgyn.upenn.edu">ccoutifaris@obgyn.upenn.edu</a> <b>Website:</b> <a href="http://www.uphs.upenn.edu/obgyn/education/fellow-rei.htm">www.uphs.upenn.edu/obgyn/education/fellow-rei.htm</a>	<b>2005 1st yr positions</b> <span style="float: right;"><b>2</b></span>  <b>Most recent year of Program Certification (Recertification)</b> <span style="float: right;"><b>2007</b></span>
<b>FACULTY APPOINTMENT</b>	
<b>1st year:</b> Instructor <b>2nd year:</b> Instructor <b>3rd year:</b> Instructor	

<b>Program Length:</b>	3 years	
<b>3 yr conversion start date:</b>	1997	<b>Fellowship Application Deadline:</b> Jul-1
<b>Prerequisites:</b>	Approved 4 year Residency	
<b>Salary 1st Year:</b>	approx. \$55,000	
<b>Number of fellows trained within the past 5 years</b>		10
<b>How many of them are currently in academic positions?</b>		10

PROGRAM DESCRIPTION	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b><u>Research Time</u></b>			
Total Research time	<u>10%</u>	<u>50%</u>	<u>100%</u>
Clinical	<u>100%</u>	<u>0%</u>	<u>0%</u>
Laboratory	<u>0%</u>	<u>100%</u>	<u>100%</u>
<b><u>Direct Patient Care</u></b>			
Total Clinical Time	<u>90%</u>	<u>50%</u>	<u>0%</u>
Endocrine	<u>35%</u>	<u>0%</u>	<u>0%</u>
Infertility	<u>60%</u>	<u>100% (IVF)</u>	<u>0%</u>
Obstetrics/Gynecology	<u>5%</u>	<u>0%</u>	<u>0%</u>
<b><u>Surgical Procedures</u></b>			
<b><u>Diagnostic/Operative</u></b>			
Laparoscopies	<u>300-350</u>	<u>0</u>	<u>0</u>
Hysteroscopies	<u>80-100</u>	<u>0</u>	<u>0</u>
Assisted Reproduction	<u>0</u>	<u>350-400</u>	<u>0</u>
Laparotomies	<u>100</u>	<u>0</u>	<u>0</u>

GRADUATE LEVEL COURSES			
Mandatory (M), Recommended (R), Offered (O)			
	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
Statistics/Epidemiology \			
Research Methodology /	N/A	M	N/A
Genetics/Molecular Biology		M	
Other Basic Science		O	
Other Clinical Course		O	

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UNIVERSITY OF PENNSYLVANIA

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FACULTY

\* = Full Time

\*\* = Other

**Reproductive Endocrinology/Infertility**

\*Kurt T. Barnhart, M.D., M.S.C.E.

\*Samantha Butts, M.D. M.D., M.S.C.E.

\*Christos Coutifaris, M.D., Ph.D.

\*Anuja Dokras, M.D., Ph.D.

\*Scott Edwards, M.D.

\*Clarisa Gracia, M.D., M.S.C.E.

\*Suleena Kalra, M.D., M.S.C.E.

\*Maureen Kelly, M.D.

\*Samantha M. Pfeifer, M.D.

\*Steven J. Sondheimer, M.D.

Irene Su, M.D., M.S.C.E.

\*Richard W. Tureck, M.D.

\*Marisa Bartolomei, Ph.D.

\*George L. Gerton, Ph.D.

\*Norman Hecht, Ph.D.

\*Richard Schultz, Ph.D.

**Areas of Special Interest**

Reproductive epidemiology; early pregnancy complications and ectopic pregnancy

Molecular determinants of egg quality; racial disparities in infertility/gynecology

Regulation of trophoblast adhesion and invasion; human oocyte maturation; in vitro fertilization; ART outcomes

PCOS; embryo implantation; in vitro fertilization

Reproductive Surgery; in vitro fertilization

Reproductive aging

ART and adverse perinatal outcomes

PCOS; in vitro fertilization; reproductive surgery

Reproductive surgery, premature ovarian failure; endocrinology of the menopause

Exercise and reproduction; premenstrual syndrome; contraception

Oncofertility

Reproductive surgery

Genomic imprinting and embryo development

Spermatogenesis

Molecular biology of sperm development

Gene expression during oocyte and embryo development; ART and genomic imprinting

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**BRIEF DESCRIPTION OF PROGRAM WITH TEACHING ACTIVITIES DISCUSSED**

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The three-year program at the University of Pennsylvania is designed for candidates who project for themselves a career in academic obstetrics and gynecology and reproductive medicine. There is a significant research emphasis and at least 18-24 months are set aside for basic research, free of clinical responsibilities. Since the division contains ten full-time practicing academic reproductive endocrinologists, there is a heavy practice component with emphasis on the surgical aspects of the discipline and assisted reproductive technologies. During the course of the formal fellowship, there is interaction with Pediatric and Medical Endocrinology. There are four weekly formal conferences covering various aspects of reproductive, medical and pediatric endocrinology and infertility. Courses in Statistics and Human Genetics are required. For fellows interested in an academic career in clinical research, the three-year fellowship program can be combined with the Epidemiology Graduate Program leading to a Master's degree in Clinical Epidemiology and Biostatistics.

# University of Pittsburgh School of Medicine

## Magee Womens Hospital

**Program Director:** Joseph S. Sanfilippo, MD,MBA  
**Mailing Address:** Magee Womens Hospital  
 Div. of Reproductive Endocrinology  
 Dept. of Ob-Gyn  
 300 Halket Street  
 Pittsburgh, PA 15213

**Telephone:** (412) 641-1204  
**FAX:** (412) 641-1133  
**Email:** [lcarlquist@mail.magee.edu](mailto:lcarlquist@mail.magee.edu)  
**Website:** [www.srei.org](http://www.srei.org)

**2010 1st yr position** 1  
**Most recent year of Program Certification (Recertification)** 2007

### FACULTY APPOINTMENT

**1st year:** Professor  
**2nd year:** Professor  
**3rd year:** Professor

**Program Length:** 3 years  
**3 yr conversion start date:** Fellowship Application  
**Prerequisites:** N/A **Deadline:** 6/30/2009  
**Salary 1st Year:** PGY5 scale plus stipend for conference membership & educational materials

**Number of fellows trained within the past 5 years** N/A  
**How many of them are currently in academic positions?** N/A

### PROGRAM DESCRIPTION

		<u>1st Year</u>		<u>2nd Year</u>		<u>3rd Year</u>
<b><u>Research Time</u></b>						
Total Research time	0		70%		35%	
Clinical		<u>0</u>		<u>20%</u>		<u>10%</u>
Laboratory		<u>0</u>		<u>50%</u>		<u>25%</u>
<b><u>Direct Patient Care</u></b>						
Total Clinical Time	65%		30%		45%	
Endocrine		<u>30%</u>		<u>20%</u>		25%
Infertility		<u>20%</u>		<u>5%</u>		10%
Obstetrics/Gynecology		<u>15%</u>		<u>5%</u>		10%
<b><u>Surgical Procedures</u></b>						
Diagnostic/Operative	35%		0		20%	
Laparoscopies		<u>20%</u>				10%
Hysteroscopies		<u>15%</u>				10%
Assisted Reproduction						
Laparotomies						

### GRADUATE LEVEL COURSES

		<u>1st Year</u>		<u>2nd Year</u>		<u>3rd Year</u>
Mandatory (M), Recommended (R), Offered (O)						
Statistics/Epidemiology				M		
Research Methodology				M		
Genetics/Molecular Biology		M				
Other Basic Science						M
Other Clinical Course						Certificate in Clinical Research

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**University of Pittsburgh School of Medicine**  
**Magee Womens Hospital**

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**FACULTY**

\* = Full Time

\*\* = Other

**Reproductive Endocrinology/Infertility**

**Areas of Special Interest**

\*Joseph S. Sanfilippo, MD, MBA  
Vice Chair, Director, Professor

Reproductive Endocrinology & Infertility

\*Anthony N. Wakim, MD  
Director of IVF, Associate Professor

ART (Assisted Reproductive Technology) Program

\*Brinda N. Kalro, MD  
Assistant Professor

Reproductive Endocrinology & Medical Acupuncture

\*Anthony M. Plant, PhD  
Professor

Cell Biology & Physiology  
Center for Research

\*Anthony J. Zeleznik, PhD  
Professor

Cell Biology & Physiology  
Center for Research

**BRIEF DESCRIPTION OF PROGRAM WITH TEACHING ACTIVITIES DISCUSSED**

The University of Pittsburgh's Reproductive Endocrinology & Infertility (REI) fellowship program addresses all aspects of the American Board of Obstetrics & Gynecology (ABOG) requirements for subspecialty training. Particular emphasis is placed on surgical training spanning from pediatric to adult patients. Fellowship education will include a certificate in clinical research with emphasis on bio-statistics-epidemiology, research design and implementation. Issues related to the specialty will be addressed with detailed faculty supervision with regard to didactic, medical, surgical and assisted reproductive technology aspects of the specialty, meeting the ABOG Guide to Learning in REI.

Individuals who are not within the Division but will have a direct affect on the fellowship education

include: W. Allen Hogge, M.D.; Yoel Sadovsky, M.D.; Pamela J. Murray, M.D.MPH; Richard S. Guido, M.D.; Ted T. Lee, M.D.; Suketu M. Mansuria, M.D.; Marijane A Krohn, M.D; Mary T. Korytkowski, M.D.; Kyle E. Orwig, PhD.; Lyndon Hill, M.D.; Selma Witchel, M.D.; Amal Kanbour-Shakir, M.D.,PhD. and Katherine Wisner, M.D.,M.S.

# UNIVERSITY OF TEXAS HSC SAN ANTONIO

**Program Director:** Robert G. Brzyski, M.D., Ph.D.  
**Mailing Address:** The Univ of TX HSC at San Antonio  
 7703 Floyd Curl Drive, MSC 7836  
 San Antonio, TX 78229-3900  
**Telephone:** (210) 567-6121  
**FAX:** (210) 567-4958  
**Email:** [brzyski@uthscsa.edu](mailto:brzyski@uthscsa.edu)  
**Website:** [www.uthscsa.edu/obgyn/repro/](http://www.uthscsa.edu/obgyn/repro/)

**2010 1st yr positions** **0**  
**Most recent year of Program Certification (Recertification)** **2007**

### FACULTY APPOINTMENT

**1st year:** Instructor  
**2nd year:** Instructor  
**3rd year:** Instructor

**Program Length:** 3 years  
**3 yr conversion start date:** 7/1/1998  
**Prerequisites:** Approved Residency/Texas License  
**Salary 1st Year:** \$50,000.00

### Fellowship Application

**Deadline:** Sep-1

**Number of fellows trained within the past 5 years** **3**  
**How many of them are currently in academic positions?** **1**

## PROGRAM DESCRIPTION

	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b><u>Research Time</u></b>			
<b>Total Research time</b>	<b><u>20%</u></b>	<b><u>80%</u></b>	<b><u>85%</u></b>
<b>Clinical</b>	<b><u>50%</u></b>	<b><u>33%</u></b>	<b><u>50%</u></b>
<b>Laboratory</b>	<b><u>50%</u></b>	<b><u>67%</u></b>	<b><u>50%</u></b>
<b><u>Direct Patient Care</u></b>			
<b>Total Clinical Time</b>	<b><u>80%</u></b>	<b><u>20%</u></b>	<b><u>15%</u></b>
<b>Endocrine</b>	<b><u>10%</u></b>	<b><u>20%</u></b>	<b><u>30%</u></b>
<b>Infertility</b>	<b><u>85%</u></b>	<b><u>65%</u></b>	<b><u>45%</u></b>
<b>Obstetrics/Gynecology</b>	<b><u>5%</u></b>	<b><u>15%</u></b>	<b><u>25%</u></b>
<b><u>Surgical Procedures</u></b>			
<b>Diagnostic/Operative</b>			
<b>Laparoscopies</b>	<b><u>57</u></b>	<b><u>15</u></b>	<b><u>22</u></b>
<b>Hysteroscopies</b>	<b><u>41</u></b>	<b><u>0</u></b>	<b><u>7</u></b>
<b>Assisted Reproduction</b>	<b><u>52</u></b>	<b><u>5</u></b>	<b><u>4</u></b>
<b>Laparotomies</b>	<b><u>24</u></b>	<b><u>3</u></b>	<b><u>8</u></b>

## GRADUATE LEVEL COURSES

Mandatory (M), Recommended (R), Offered (O)

	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b>Statistics/Epidemiology</b>	R	M	
<b>Research Methodology</b>	O	R	
<b>Genetics/Molecular Biology</b>	O	R	
<b>Other Basic Science</b>	O		
<b>Other Clinical Course</b>	O		

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# UNIVERSITY OF TEXAS AT SAN ANTONIO

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## FACULTY

\* = Full Time

\*\* = Other

### Reproductive Endocrinology/Infertility

\*Robert G. Brzyski, M.D., Ph.D.

\*Carlton A. Eddy, Ph.D.

\*\*John McCarrey, Ph.D.

\*Peter Nathanielsz, M.D., Ph.D.

\*Robert S. Schenken, M.D.

\*Rochelle N. Shain, Ph.D.

\*Rajeshwar Tekmal, M.D., Ph.D.

### Areas of Special Interest

Reproductive Medicine Network, PCOS, Ethics,  
Menopause, Women's Health Initiative  
Microsurgery, IVF Laboratory,  
Ectopic Pregnancy  
Germ cell function, Epigenetics,  
Transgenesis, Genomic imprinting  
Fetal Growth, Developmental Programming,  
Regulation of Term and Preterm Labor  
Clinical Infertility, ART, Biology of  
Endometriosis, Women's Health Initiative  
Sexual Transmitted Disease, Contraceptive  
Acceptability/Ethnic Differences  
Hormonal Carcinogenesis, Hormone-Medicated  
Gene Regulation, Role of Cytokine Growth  
Factors in Endometriosis

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## BRIEF DESCRIPTION OF PROGRAM WITH TEACHING ACTIVITIES DISCUSSED

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The Fellowship in Reproductive Endocrinology is a three-year program designed to qualify the candidate for a Certificate of Special Qualification in Reproductive Endocrinology and Infertility by the American Board of Obstetrics and Gynecology.

The Fellowship Program has three components: clinical, research, and didactic. The goal of the program is to train well-rounded clinician-scientists who are clinically and surgically competent, familiar with relevant laboratory procedures, and capable of independent investigation through acquisition of a comprehensive understanding of the theoretical and technical aspects of research. Emphasis is placed on continuation of an academic career. Clinical research and teaching activities are given equal importance and Fellows are provided opportunities to achieve their full potential in each area.

The educational component of the program includes formal courses in the Graduate School of Biomedical Science and several weekly conferences. Instructional content includes both basic science topics and clinical aspects of reproductive endocrinology.

# UNIVERSITY OF TEXAS MEDICAL BRANCH

<b>Program Director:</b> John Y. Phelps, MD, JD, LLM <b>Mailing Address:</b> Department of Obstetrics & Gynecology University of Texas Medical Branch Galveston, Texas 77555-0587 <b>Telephone:</b> (409)772-6738 <b>FAX:</b> (409)747-0366 <b>Email:</b> <a href="mailto:jyphelps@utmb.edu">jyphelps@utmb.edu</a> <a href="mailto:nlknebil@utmb.edu">nlknebil@utmb.edu</a> <b>Website:</b> <a href="http://www.utmb.edu/obgyn/endo/Fellowship">http://www.utmb.edu/obgyn/endo/Fellowship</a>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;"><b>2010 1st yr positions</b></td> <td style="text-align: right;"><b>1</b></td> </tr> <tr> <td><b>Most recent year of Program Certification (Recertification)</b></td> <td style="text-align: right;"><b>2002 2007</b></td> </tr> </table> <hr/> <b>FACULTY APPOINTMENT</b> <b>1st year:</b> <b>2nd year:</b> <b>3rd year:</b>	<b>2010 1st yr positions</b>	<b>1</b>	<b>Most recent year of Program Certification (Recertification)</b>	<b>2002 2007</b>
<b>2010 1st yr positions</b>	<b>1</b>				
<b>Most recent year of Program Certification (Recertification)</b>	<b>2002 2007</b>				

<b>Program Length:</b>	3 years	
<b>3 yr conversion start date:</b>		<b>Fellowship Application</b>
<b>Prerequisites:</b>	Completion of OB/GYN Resid	<b>Deadline:</b> July 31st, 2009
<b>Salary 1st Year:</b>	\$49,000.00	
<b>Number of fellows trained within the past 5 years</b>		<b>2</b>
<b>How many of them are currently in academic positions?</b>		<b>1</b>

<b>PROGRAM DESCRIPTION</b>	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b>Research Time</b>	50%	90%	30%
<b>Total Research time</b>			
Clinical	<u>30%</u>	<u>10%</u>	<u>70%</u>
Laboratory	<u>50%</u>	<u>90%</u>	<u>30%</u>
<b>Direct Patient Care</b>	50%	10%	70%
<b>Total Clinical Time</b>			
Endocrine	<u>40%</u>		40%
Infertility	<u>60%</u>		60%
Obstetrics/Gynecology	0%		
<b>Surgical Procedures</b>			
<b>Diagnostic/Operative</b>			
Laparoscopies	<u>40</u>	<u>10</u>	40
Hysteroscopies	<u>20</u>		20
<b>Assisted Reproduction</b>	80	10	40
<b>Laparotomies</b>	<u>40</u>	<u>10</u>	30

<b>GRADUATE LEVEL COURSES</b>			
Mandatory (M), Recommended (R), Offered (O)			
	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b>Statistics/Epidemiology</b>	M		
<b>Research Methodology</b>	M		
<b>Genetics/Molecular Biology</b>		M	
<b>Other Basic Science</b>			R
<b>Other Clinical Course</b>			

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# UNIVERSITY OF TEXAS MEDICAL BRANCH

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## FACULTY

\*\* = Other

\* = Full Time

### Reproductive Endocrinology/Infertility

### Areas of Special Interest

**John Y. Phelps, MD, JD, LLM\***

Advanced Laparoscopic Surgery, IVF, Medical Legal Issues Pertaining to Reproductive Endocrinology and Infertility, Polycystic ovarian disease, hyperthecosis, Adipokines, Assisted Reproductive Technology

**Thomas Vaughn, MD\*\***

Assisted Reproductive Technology

**Randal Urban, MD\***

Ovarian steroidogenesis

**Vicki L. Schnell, MD\*\***

Assisted Reproductive Technology

**Chandra Yallampalli, PhD\***

Nitric oxide in reproduction, Insulin like growth factors on uterine function

**Lee Jane Lu, PhD\***

Effect of soy diet and photoestrogens on hypothalamic pituitary axis and ovarian function

**Amjad Hossain, PhD\***

Andrology, In Vitro Maturation of oocytes, Assisted Reproductive Technology

**Katrina Bolar, MD\***

Pediatric Endocrinology Rotation

**Kevin McKinney, MD\***

Endocrine Rotation

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### BRIEF DESCRIPTION OF PROGRAM WITH TEACHING ACTIVITIES DISCUSSED

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The three year program in Reproductive Endocrinology is designed to qualify candidates for Board Certification in Reproductive Endocrinology. The program will provide advanced training in Reproductive Endocrinology and prepare the fellow for a career in academic medicine. Clinical experience in management of a wide range of Reproductive Endocrine problems will be gained under the supervision of the faculty.

The program director has done an additional fellowship in Advance Laparoscopic Surgery and does many advanced laparoscopic surgery cases in addition to infertility surgery such as total laparoscopic hysterectomies, sacral colpopexies, and bladder suspensions. The program director is also a licensed attorney and publishes medical-legal articles with the fellows pertaining to emerging issues in Reproductive Endocrinology and Infertility.

The fellow will supervise the Residents' Reproductive Endocrinology clinic in which a wide variety of Endocrine patients are seen. The fellow will work in an active assisted Reproductive Technology Program. In the first year of the program, fellows will learn different laboratory methodologies and develop his/her area of laboratory research. Second year will primarily laboratory research. The Division has extensive research facilities and most of the projects are funded by NIH grants. Fellows will also attend and participate in a number of weekly teaching conferences in Reproductive Endocrinology and Infertility.

# UT Southwestern Medical Center

<b>Program Director:</b> Bruce R. Carr, MD <b>Mailing Address:</b> UT Southwestern Medical Center 5323 Harry Hines Blvd. Dallas, TX 75390-9032 <b>Telephone:</b> (214) 648-4747 <b>FAX:</b> (214) 648-8066 <b>Email:</b> <a href="mailto:janice.fain@UTSouthwestern.edu">janice.fain@UTSouthwestern.edu</a> <a href="mailto:bruce.carr@UTSouthwestern.edu">bruce.carr@UTSouthwestern.edu</a> <b>Website:</b> <a href="http://www.utsouthwestern.edu/utsw/cda/dept22001/files/46329.html">www.utsouthwestern.edu/utsw/cda/dept22001/files/46329.html</a>	<b>2010 1st yr positions</b> 1 <b>Most recent year of Program Certification (Recertification)</b> 2005
<b>FACULTY APPOINTMENT</b>	
<b>1st year:</b> Assistant Instructor <b>2nd year:</b> Assistant Instructor <b>3rd year:</b> Assistant Instructor	

<b>Program Length:</b> 3 years	<b>3 yr conversion start date:</b> 1-Jul-95	<b>Fellowship Application Deadline:</b> July 4th
<b>Prerequisites:</b> Residency in Ob/Gyn	<b>Salary 1st Year:</b> \$49,900 + benefits	
<b>Number of fellows trained within the past 5 years</b>	7	
<b>How many of them are currently in academic positions:</b>	4	

<b>PROGRAM DESCRIPTION</b>	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b>Research Time</b>			
Total Research time	<u>50%</u>	<u>80%</u>	<u>20%</u>
Clinical	<u>0%</u>	<u>0%</u>	<u>0%</u>
Laboratory	<u>100%</u>	<u>100%</u>	<u>100%</u>
<b>Direct Patient Care</b>			
Total Clinical Time	<u>50%</u>	<u>20%</u>	<u>80%</u>
Endocrine	<u>20%</u>	<u>30%</u>	10%
Infertility	<u>70%</u>	<u>60%</u>	80%
Obstetrics/Gynecology	<u>10%</u>	<u>10%</u>	10%
<b>Surgical Procedures</b>			
<b>Diagnostic/Operative</b>			
Laparoscopies	<u>35</u>	<u>20</u>	10
Hysteroscopies	<u>32</u>	<u>28</u>	6
Assisted Reproduction	60	30	10
Laparotomies	<u>11</u>	<u>5</u>	7

<b>GRADUATE LEVEL COURSES</b>			
Mandatory (M), Recommended (R), Offered (O)			
	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
Statistics/Epidemiology	M		
Research Methodology			
Genetics/Molecular Biology			M
Other Basic Science			
Other Clinical Course			

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# UT SOUTHWESTERN MEDICAL CENTER

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## FACULTY

\* = Full Time

\*\* = Other

### Reproductive Endocrinology/Infertility

\*Gary Ackerman, M.D.

\*\*Kevin Doody, M.D.

\*Karen Bradshaw, M.D.

\*Karla Saner, Ph.D.

\*Bruce R. Carr, M.D.

\*Lisa Halvorson, M.D.

\*\*Ellen Wilson, M.D.

\*R. Ann Word, M.D.

### Areas of Special Interest

ART, Reproductive Endocrinology

Reproductive Surgery

Infertility, In Vitro Fertilization, Reproductive Endocrinology, ART

Pediatric/Adolescent Gynecology, Peri- and Postmenopause, Androgen Excess, Reproductive Surgery

Andrology

Endocrinology of Pregnancy, Menopause,

Reproductive Surgery, ART, Infertility

Menstrual Disorders, Reproductive Aging, Recurrent Pregnancy Loss, Androgen Excess,

Reproductive Endocrinology and Surgery,

Pediatric/Adolescent Gynecology,

Infertility, Perimenopause, Menopause

Smooth Muscle Biology, Parturition,

Cervical Ripening, Urogynecology,

Contractile Protein Gene Expression, Steroid

Hormone Metabolism

differentiation and endocrine function

### BRIEF DESCRIPTION OF PROGRAM WITH TEACHING ACTIVITIES DISCUSSED

Emphasis of the program is to develop academicians. Laboratory research is the primary strength, directed toward molecular biology. The program also emphasizes clinical research, and a large clinic and referral base of endocrine and infertility patients are available. All aspects of surgery for Reproductive Endocrinology and Infertility are available, as well as IVF-ET and Andrology training. Fellows present research at major meetings, gain experience in writing manuscripts and grants, and participate in resident and student teaching. Fellows also attend and participate in a number of teaching conferences in Reproductive Endocrinology, Infertility, and Reproductive Biology.

## UNIVERSITY OF UTAH HEALTH SCIENCES CENTER

<b>Program Director:</b> Mark Gibson, M.D. <b>Mailing Address:</b> The Utah Center for Reproductive Medicine 675 Arapeen Drive, Suite 205 Salt Lake City, Utah 84108 <b>Telephone:</b> 801 581 3834 <b>FAX:</b> 801 585 2388 <b>Email:</b> <a href="mailto:fertilitydr@hsc.utah.edu">fertilitydr@hsc.utah.edu</a> <b>Website:</b> <a href="http://medicine.utah.edu/obgyn/ucrm">http://medicine.utah.edu/obgyn/ucrm</a>	<b>2010 1st yr positions</b> <span style="float: right;">1</span> <b>Most recent year of Program Certification (Recertification)</b> <span style="float: right;">2005</span>
<b>FACULTY APPOINTMENT</b>	
<b>1st year:</b> Instructor <b>2nd year:</b> Instructor <b>3rd year:</b> Instructor	

<b>Program Length:</b> 3 Years	<b>Fellowship Application</b>
<b>3 yr conversion start date:</b>	<b>Deadline:</b> 30-Jun
<b>Prerequisites:</b> M.D.; Completion of OB/GYN Residency	
<b>Salary 1st Year:</b> \$55,450 plus benefits (P6Y-5 2009-10)	
<b>Number of fellows trained within the past 5 years</b>	<b>2</b>
<b>How many of them are currently in academic positions?</b>	<b>1</b>

PROGRAM DESCRIPTION	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b>Research Time</b>			
Total Research time	<u>20%</u>	<u>50%</u>	<u>80%</u>
Clinical	<u>30%</u>	<u>30%</u>	<u>40%</u>
Laboratory	<u>70%</u>	<u>70%</u>	<u>60%</u>
<b>Direct Patient Care</b>			
Total Clinical Time	<u>80%</u>	<u>50%</u>	<u>20%</u>
Endocrine	<u>35%</u>	<u>25%</u>	<u>25%</u>
Infertility	<u>55%</u>	<u>70%</u>	<u>70%</u>
Obstetrics/Gynecology	<u>5%</u>	<u>5%</u>	<u>5%</u>
<b>Surgical Procedures</b>			
<b>Diagnostic/Operative</b>			
Laparoscopies	<u>50</u>	<u>30</u>	<u>20</u>
Hysteroscopies	<u>35</u>	<u>25</u>	<u>15</u>
Assisted Reproduction	<u>60</u>	<u>40</u>	<u>20</u>
Laparotomies	<u>35</u>	<u>25</u>	<u>15</u>

GRADUATE LEVEL COURSES			
Mandatory (M), Recommended (R), Offered (O)	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
Statistics/Epidemiology	M		
Research Methodology	M		
Genetics/Molecular Biology	M		
Other Basic Science		R	
Other Clinical Course (Epidemiology)		R	

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# UNIVERSITY OF UTAH HEALTH SCIENCES CENTER

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## FACULTY

\* = Full Time

\*\* = Other

### Reproductive Endocrinology/Infertility

\*Mark Gibson, M.D.  
\*Douglas T. Carrell, Ph.D., HCLD  
\*Harry H. Hatasaka, M.D.  
\*Kirtly Parker Jones, M.D.  
\*Ahmad Hammoud, M.D.  
\*C. Matthew Peterson, M.D.

### Areas of Special Interest

Corpus Luteum Function, Clinical Reproductive Endocrinology  
Clinical Andrology, Embryology, Oocyte Maturation, Genetics of Male Infertility  
IVF, PCOS, Clinical/Surgical REI, Mullerian Anomalies  
Menopause, IVF, Medical Education, Neuroendocrinology  
Reproductive Endocrinology; Male Infertility; Obesity  
Novel Drug Delivery System, Ovarian Physiology, Clinical /Surgery, REI

### Collaborating Disciplines

**Laura Czajkowski, Ph.D.	Psychological Aspects of Infertility
**D. Ware Branch, M.D.	Reproductive Immunology, Recurrent Miscarriage, Medical Education
**Janice L. B. Bryne, M.D.	Teratology
**William Crowley, Ph.D.	Neuroendocrinology, Prolactin Physiology
**David L. Donaldson, M.D.	Pediatric Endocrinology
**Blake D. Hamilton, M.D.	Clinical Male Infertility
**Jay A. Jacobson, M.D.	Medical Ethics, IRB Advisor
**Christopher R. Jones, M.D., Ph.D.	Neuroendocrinology, PCOS, Sleep Disorders
**David A. Jones, Ph.D.	Microarray Analysis of Ovary Specific Genes Applied to Normal and Abnormal Physiology
**Daniel H. Knodel, M.D.	Bone Physiology, Menopause
**Jindrich Kopecek, Ph.D., D. Sci.	Polymeric Drug Delivery Systems for a Variety of Gynecologic Conditions
**Mark F. Leppert, Ph.D.	Molecular Clinical Genetics, Genetic Determinants of Infertility
**Andreas P. Peiffer, M.D., Ph.D.	Clinical Genetics, Genetic Determinants of Infertility, Utah Registry of Infertility Studies
**Howard T. Sharp, M.D.	Laparoscopic/Hysteroscopic Surgery, Pelvic Pain
**Joseph Stanford, M.D.	Reproductive Epidemiology

### BRIEF DESCRIPTION OF PROGRAM WITH TEACHING ACTIVITIES DISCUSSED

The Reproductive Endocrinology and Infertility Fellowship at the University of Utah Health Sciences Center provides a rich and stimulating environment for the training of academic physician-scientists. The program is organized to give each fellow extensive clinical and research expertise in reproductive endocrinology and infertility. One fellow will be enrolled every other year to ensure targeted clinical, research and teaching goals are achieved.

The first year is devoted to the rapid development of clinical expertise in both reproductive endocrinology, clinical infertility, ART and selection of research focus. The second year continues with a 50/50 split between clinical and research activities as well as the completion of a major portion of the required coursework. Development of research capability is assured through a comprehensive (K30) curriculum leading to a masters degree in clinical investigation. The third year emphasizes focus on career development with the majority of time being spent on the completion of the fellow's research endeavors and highly selective clinical and surgical experiences. Pediatric and medical endocrinology are integrated into the clinical rotations. Regular participation in conferences and research mentoring will prepare the fellow for board certification and an academic career. Conferences include journal club in the subspecialty, clinical reviews conferences structured readings covering the entire discipline, and division and departmental research conferences. Particular research strengths of the program include ovarian physiology, novel drug development, clinical genetics, molecular biology, immunology, recurrent miscarriage, oocyte maturation, andrology embryology, in vitro fertilization, preimplantation genetic diagnosis, and reproductive epidemiology.

# UNIVERSITY OF VERMONT

**Program Director:** Peter Casson, M.D.  
**Mailing Address:** Fletcher Allen Health Care  
 Dept. of Ob/Gyn  
 111 Colchester Ave, Smith 422  
 Burlington, VT 05401  
**Telephone:** (802) 847-3450  
**FAX:** (802) 847-9243  
**Email:** [suzanne.dunbar@utmednet.org](mailto:suzanne.dunbar@utmednet.org)  
**Website:** <http://www.med.uvm.edu/obgyn>

**2010 1st yr positions** 1  
**Most recent year of Program Certification (Recertification)** 2005 (3 year)

**FACULTY APPOINTMENT**  
**1st year:** Instructor  
**2nd year:** Instructor  
**3rd year:** Instructor

**Program Length:** 3 years  
**3 yr conversion start date:** N/A  
**Prerequisites:** Completion of Ob/Gyn Residency  
**Salary 1st Year:** \$53,067.00  
**Fellowship Application Deadline:** Aug-1

**Number of fellows trained within the past 5 years** 5  
**How many of them are currently in academic positions?** 3

## PROGRAM DESCRIPTION

	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b><u>Research Time</u></b>			
<b>Total Research time</b>	<b><u>10%</u></b>	<b><u>90%</u></b>	<b><u>50%</u></b>
<b>Clinical</b>	<b><u>90%</u></b>	<b><u>10%</u></b>	<b><u>30%</u></b>
<b>Laboratory</b>	<b><u>10%</u></b>	<b><u>90%</u></b>	<b><u>70%</u></b>
<b><u>Direct Patient Care</u></b>			
<b>Total Clinical Time</b>	<b><u>90%</u></b>	<b><u>10%</u></b>	<b><u>50%</u></b>
<b>Endocrine</b>	<b><u>40%</u></b>	<b><u>50%</u></b>	<b><u>25%</u></b>
<b>Infertility</b>	<b><u>50%</u></b>	<b><u>50%</u></b>	<b><u>75%</u></b>
<b>Obstetrics/Gynecology</b>	<b><u>10%</u></b>	<b><u>0%</u></b>	<b><u>0%</u></b>
<b><u>Surgical Procedures</u></b>			
<b>Diagnostic/Operative</b>			
<b>Laparoscopies</b>	<b><u>166</u></b>	<b><u>1</u></b>	<b><u>1</u></b>
<b>Hysteroscopies</b>	<b><u>167</u></b>	<b><u>0</u></b>	<b><u>1</u></b>
<b>Assisted Reproduction</b>	<b><u>4</u></b>	<b><u>15</u></b>	<b><u>60</u></b>
<b>Laparotomies</b>	<b><u>28</u></b>	<b><u>3</u></b>	<b><u>1</u></b>

## GRADUATE LEVEL COURSES

Mandatory (M), Recommended (R), Offered (O)

	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b>Statistics/Epidemiology</b>	M		
<b>Research Methodology</b>		O	O
<b>Genetics/Molecular Biology</b>		O	O
<b>Other Basic Science</b>		M	O
<b>Other Clinical Course</b>		O	O

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# UNIVERSITY OF VERMONT

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## FACULTY

\* = Full Time

\*\* = Other

### Reproductive Endocrinology/Infertility

### Areas of Special Interest

\*Peter R. Casson, M.D.  
Board Certified, Ob/Gyn, RE  
Director, IVF Program  
Director, REI Fellowship Program

Assisted Reproductive Technologies,  
Androgen Metabolism

\*Daniel H. Riddick, M.D., Ph.D.  
Board Certified, Ob/Gyn, RE

Reproductive Endocrinology, Infertility,  
Surgery for Mullerian Anomalies

\*John R. Brumsted, M.D.  
Board Certified, Ob/Gyn, RE

Reproductive Surgery, Endometriosis,  
Quality

\*\*Christine A. Murray, M.D.  
Board Certified, Ob/Gyn, RE

Infertility, Polycystic Ovarian Disease

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## BRIEF DESCRIPTION OF PROGRAM WITH TEACHING ACTIVITIES DISCUSSED

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This three-year fellowship is designed to afford fellows an opportunity to:

- 1 Capitalize on clinical skills acquired during residency and develop clinical expertise in the evaluation and treatment of reproductive endocrinology, infertility, and reproductive surgery (Year 1).
- 2 Develop skills in pediatric and medical endocrinology (Year 3).
- 3 Acquire firsthand experience in designing and conducting clinical research (Years 1 & 2).
- 4 Develop the ability to formulate a hypothesis, learn methods, and conduct basic research (Years 2 & 3).
- 5 Learn advanced techniques in assisted reproductive technologies (Year 3).
- 6 Acquire knowledge in the field of reproductive endocrinology through weekly didactic and clinical education sessions (Years 1, 2 & 3).

## Washington University

<b>Program Director:</b> Kelle H. Moley, M.D. <b>Mailing Address:</b> Washington University School of Medicine 660 S. Euclid Avenue Campus Box 8064 St. Louis, MO 63110 <b>Telephone:</b> 314-362-1765 <b>FAX:</b> 314-747-4150 <b>Email:</b> <a href="mailto:moleyk@wustl.edu">moleyk@wustl.edu</a> <b>Website:</b> <a href="http://www.infertility.wustl.edu">http://www.infertility.wustl.edu</a>	<b>2010 1st year positions</b> <b>Most recent year of Program Certification (Recertification)</b> <span style="float: right;"><b>2007</b></span>
	<b>FACULTY APPOINTMENT</b> <b>1st year:</b> Instructor <b>2nd year:</b> Instructor <b>3rd year:</b> Instructor

<b>Program Length:</b> 3 years	<b>3 yr conversion start date:</b> 7/1/1996	<b>Fellowship Application Deadline:</b> currently accepting applications
<b>Prerequisites:</b> Residency in Ob/Gyn		
<b>Salary 1st Year:</b> 54,473		
<b>Number of fellows trained within the past 5 years</b>	<b>3</b>	
<b>How many of them are currently in academic positions?</b>	<b>1</b>	

PROGRAM DESCRIPTION	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b>Research Time</b>			
<b>Total Research time</b>	10%	100%	50%
<b>Clinical</b>	100%	0%	20%
<b>Laboratory</b>	0%	100%	80%
<b>Direct Patient Care</b>			
<b>Total Clinical Time</b>	90%	0%	50%
<b>Endocrine</b>	25%	0%	0%
<b>Infertility</b>	65%	0%	95%
<b>Obstetrics/Gynecology</b>	10%	0%	5%
<b>Surgical Procedures</b>			
<b>Diagnostic/Operative</b>			
<b>Laparoscopies</b>	110	0	12
<b>Hysteroscopies</b>	96	0	5
<b>Assisted Reproduction</b>	0	0	0
<b>Laparotomies</b>	25	0	0

GRADUATE LEVEL COURSES	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b>Mandatory (M), Recommended (R), Offered (O)</b>			
<b>Statistics/Epidemiology</b>	M	O	O
<b>Research Methodology</b>	M	O	O
<b>Genetics/Molecular Biology</b>	M	O	O
<b>Other Basic Science</b>	O	R	O
<b>Other Clinical Course</b>	O	O	O

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## Washington University

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### FACULTY

\* = Full Time

\*\* = Other

#### Reproductive Endocrinology/Infertility

\*Kelle H. Moley, M.D.

\*Randall R. Odem, M.D.

\*Valerie S. Ratts, M.D.

\*Sarah L. Keller, M.D.

\* Emily S. Jungheim, M.D.

#### Areas of Special Interest

Molecular Biology/Preimplantation Embryo

Metabolism

Endoscopic Surgery/Ovulation Induction/Recurrent

Pregnancy Loss

Polycystic Ovarian Disease

Polycystic Ovarian Disease/Endoscopic Surgery/

Ovulation Induction/Recurrent Pregnancy Loss

Reproductive Endocrinology, Recurrent Pregnancy Loss, Infertility,

Assisted Reproductive Endocrinology, Polycystic Ovary

Syndrome, and Anovulation

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### BRIEF DESCRIPTION OF PROGRAM WITH TEACHING ACTIVITIES DISCUSSED

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Objective: To provide special competence in the diagnosis and management of endocrine and infertility problems and in the design and execution of research related to reproductive endocrinology.

Year one is predominately a clinical year focused on reproductive endocrinology and infertility. This experience with patients of faculty members involves all aspects of care including hospitalizations and surgical procedures. The Fellow, along with house staff, co-manages the patients with the faculty. A significant portion is devoted to the implementation and participation in clinical research projects. Time is also devoted to medical endocrinology as well as pediatric endocrinology.

The second year is devoted entirely to research. Fellows will have no clinical duties in this year.

During the third year, 50% of time is protected for research. The balance of the third year is devoted to the management and performance of assisted reproductive therapies.

During the first and third years, the fellow attends Endocrine Division seminar of Ob/Gyn basis as well as some national meetings. They also are required to formally take Biostatistics and Epidemiology and one other course. At completion of the three year fellowship, fellows will be well prepared to pursue a career in Reproductive Endocrinology and Infertility.

# WAYNE STATE UNIVERSITY

<b>Program Director:</b> Michael P. Diamond, M.D. <b>Mailing Address:</b> Division of Reproductive Endo. 3750 Woodward Avenue Suite 200-D Detroit, MI 48201 <b>Telephone:</b> (313) 993-4523 <b>FAX:</b> (313) 993-4534 <b>Email:</b> <a href="mailto:mdiamond@med.wayne.edu">mdiamond@med.wayne.edu</a> <b>Website:</b> <a href="http://obg.med.wayne.edu">http://obg.med.wayne.edu</a>	<b>2010 1st yr positions</b> <span style="float: right;"><b>2</b></span> <b>Most recent year of Program Certification (Recertification)</b> <span style="float: right;"><b>2006</b></span>
	<b>FACULTY APPOINTMENT</b> <b>1st year:</b> Instructor <b>2nd year:</b> Instructor <b>3rd year:</b> Instructor

<b>Program Length:</b> 3 years <b>3 yr conversion start date:</b> 1996 <b>Prerequisites:</b> Residency in Ob/Gyn <b>Salary 1st Year:</b> \$60,000 base total compensation	<b>Fellowship Application Deadline:</b> Aug-30
<b>Number of fellows trained within the past 5 years:</b> <span style="float: right;">6</span> <b>How many of them are currently in academic positions'</b> <span style="float: right;">5</span>	

PROGRAM DESCRIPTION	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b><u>Research Time</u></b>			
<b>Total Research time</b>	approx. 4 mos.	approx. 8 mos.	approx. 6 mos.
Clinical Laboratory			
<b><u>Direct Patient Care</u></b>			
<b>Total Clinical Time</b>	approx. 8 mos.	approx. 4 mos.	approx. 6 mos.
Endocrine Infertility Obstetrics/Gynecology			
<b><u>Surgical Procedures</u></b> <span style="float: right;">Procedures for all three years combined</span>			
<b>Diagnostic/Operative</b>			
Laparoscopies	60		
Hysteroscopies	121		
Assisted Reproduction	70		
Laparotomies	88		

GRADUATE LEVEL COURSES			
Mandatory (M), Recommended (R), Offered (O)			
	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
Statistics/Epidemiology	M	M	
Research Methodology			
Genetics/Molecular Biology	R	R	
Other Basic Science	R	R	
Other Clinical Course			

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# WAYNE STATE UNIVERSITY

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## FACULTY

\* = Full Time

\*\* = Other

### Reproductive Endocrinology/Infertility

### Areas of Special Interest

*Husam Abu-Soud, Ph.D.	Inflammation, Nitric Oxide Synthases, Peroxidases Free Radicals and Antioxidants, Oocyte Aging
*D. Randall Armant, Ph.D.	Peri-Implantation Development, Trophoblast Biology: Regulation by Extracellular Matrix, Growth Factors and O
**Mostafa Abuzeid, M.D.	Assisted Reproduction, Endometriosis, Endoscopy Reconstructive Surgery for Uterine Factors, 3D Ultrasound in Gynecology
*Jay Berman, M.D.	Hysteroscopic Surgery, Endometrial Ablation, Laparoscopic Surgery, Alternatives to Hysterectomy
*Carol Brenner, Ph.D.	Monkey ART, Embryo Development, Embryonic Stem Cell Mitochondria, Reproductive Aging, Laparoscopic Surger
*Michael P. Diamond, M.D.	Infertility, Hyperandrogenism, Hyperinsulinism, Postoperative Adhesions, Ovarian Function
*Robert J. Freedman, Ph.D.	Menopause, Vascular Physiology, Peripheral Vascular Disease, Behavioral Treatment
*Stephen Krawetz, Ph.D.	Systems Biology of Male Reproduction, Epigenetics, Genome Reprogramming, Molecular Diagnostics
**Kamran S. Moghissi, M.D.	Endometriosis, Contraception, Endo. Surgery, Menopause, Infertility
*Elizabeth Puscheck, M.D.	Assisted Reproduction, Endoscopy, Gyn Ultrasound, Adolescent and Adult Endocrinology, PCO, Menopause, Hirsutism, Implantation Osteoporosis and Osteopenia
*Daniel Rappolee, Ph.D.	Early Placentation, Early Embryonic Development, Stress Enzyme Signaling
*Anthony Sacco, Ph.D.	Immun contraception, Embryo Biology, Fertilization
*Ghassan Saed, Ph.D.	Wound Repair, Peritoneal Healing, Fibrosis, Ovarian Canc Oxidative Stress
*Marappa G. Subramanian, Ph.D.	Hormone Assays, Reproductive Toxicology, Lactation, Alcohol Clamp Studies
*Frank Yelian, M.D.	Assisted Reproductive Technologies, Minimally Invasive Surgery, Implantation, PCOS

### **BRIEF DESCRIPTION OF PROGRAM WITH TEACHING ACTIVITIES DISCUSSED**

This is a three-year approved fellowship in Reproductive Endocrinology designed to fulfill the requirements for board certification in the subspecialty. Time is equally divided between clinical duties and research experience. The three fellows rotate through clinical, surgical, and research blocks lasting approximately four months each. Clinical activities are scheduled five days a week. Exclusive of ART procedures, elective surgery is performed five days a week. An active IVF program continues to develop, incorporating new reproductive technologies, cryopreservation, embryo manipulation, ICSI, and preimplantation genetic diagnosis. Research duties include assisting in clinical research programs and development of independent laboratory research projects under the direction of one of the faculty members. Ample time is provided to obtain basic skills in radioimmunoassay, andrology, embryo biology, and other laboratory techniques. Teaching activities within the division include weekly endocrine/infertility seminars, monthly journal club, and discussion of ovulation induction and surgeries scheduled. Additionally, a departmental grand rounds and morbidity/mortality conference is held every Tuesday morning (2 hours). The fellows also participate in resident and medical student instruction both within the field of Reproductive Endocrinology & Infertility, and in general obstetrics and gynecology.

## YALE UNIVERSITY SCHOOL OF MEDICINE

<b>Program Director:</b>	Hugh Taylor, MD	<b>2010 1st yr positions</b>	1
<b>Mailing Address:</b>	Yale University School of Medicine Department of OB/GYN P.O. Box 208063 New Haven, CT 06520-8063	<b>Most recent year of Program Certification (Recertification)</b>	2008
<b>Telephone:</b>	(203) 785-4005	<b>FACULTY APPOINTMENT</b> 1st year: Instructor 2nd year: Instructor 3rd year: Instructor	
<b>FAX:</b>	(203) 785-7819		
<b>Email:</b>	<a href="mailto:leslie.radcliffe@yale.edu">leslie.radcliffe@yale.edu</a>		
<b>Website:</b>	<a href="http://info.med.yale.edu/obgyn">http://info.med.yale.edu/obgyn</a>		

<b>Program Length:</b>	<b>3 Years</b>	<b>Fellowship Application Deadline:</b>	1-Jul
<b>3 yr conversion start date:</b>	<b>1996</b>		
<b>Prerequisites:</b>			
<b>Salary 1st Year:</b>	<b>\$60,300.00</b>		
<b>Number of fellows trained within the past 5 years</b>			<b>6</b>
<b>How many of them are currently in academic positions?</b>			<b>6</b>

<b>PROGRAM DESCRIPTION</b>			
	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
<b><u>Research Time</u></b>			
Total Research time	20%	95%	55%
Clinical	<u>100%</u>	<u>25%</u>	<u>25%</u>
Laboratory	<u>0%</u>	<u>75%</u>	<u>75%</u>
<b><u>Direct Patient Care</u></b>			
Total Clinical Time	80%	5%	45%
Endocrine	<u>20%</u>	<u>20%</u>	10%
Infertility	<u>75%</u>	<u>80%</u>	85%
Obstetrics/Gynecology	<u>5%</u>	<u>0%</u>	5%
<b><u>Surgical Procedures</u></b>			
<b><u>Diagnostic/Operative</u></b>			
Laparoscopies	<u>58</u>	<u>128</u>	<u>191</u>
Hysteroscopies	<u>91</u>	<u>198</u>	<u>182</u>
Assisted Reproduction	<u>0</u>	<u>0</u>	<u>267</u>
Laparotomies	<u>27</u>	<u>23</u>	<u>61</u>

<b>GRADUATE LEVEL COURSES</b>			
Mandatory (M), Recommended (R), Offered (O)			
	<u>1st Year</u>	<u>2nd Year</u>	<u>3rd Year</u>
Statistics/Epidemiology	M		
Research Methodology		M	
Genetics/Molecular Biology		R	
Other Basic Science	O	O	O
Other Clinical Course	O	O	O

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# YALE UNIVERSITY SCHOOL OF MEDICINE

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## FACULTY

\* = Full Time

\*\* = Other

### Reproductive Endocrinology/Infertility

\*Aydin Arici, MD  
\*Dorothy Greenfeld, LCSW  
\*Seth Guller, PhD  
\*Richard Hochberg, PhD  
\*Yingqun Huang, PhD  
\*Gabor Huszar, MD  
\*Joshua Johnson, PhD  
\*Harvey Kliman, MD  
  
\*Maria Laliotti, PhD  
\*Gil Mor, MD, PhD  
\*Pasquale Patrizio, MD, Mbe  
\* Beth Rackow, MD  
  
\*Denny Sakkas, PhD  
\*Emre Seli, MD  
\*Carlos Stocco, PhD  
\*Hugh Taylor, MD  
  
\*Lubna Pal, MD  
\*Pinar Kodaman, MD, PhD

### Areas of Special Interest

Reproductive Immunology, Implantation  
Endometriosis  
Psychological Aspects of Infertility  
Placenta  
Steroid Biochemistry of Estrogens  
Molecular Reproductive Biology  
Andrology  
Stem Cells, Ovarian Biology  
Endometrial Receptivity, Placental  
Pathologies  
FSH Receptor, Molecular Genetics  
Reproductive Immunology  
Male Infertility, ART, Fertility Preservation  
Adolescent and Pediatric Gynecology,  
Uterine Leiomyoma  
ART, Gametes, Early Embryogenesis  
Oocyte Biology  
Corpus Luteum, Ovarian Physiology  
Endometrial Receptivity, Mullerian  
Development, Menopause, Endometriosis  
Menopause, PCOS, Osteoporosis  
Angiogenesis, PCOS

### **BRIEF DESCRIPTION OF PROGRAM WITH TEACHING ACTIVITIES DISCUSSED**

The Reproductive Endocrinology Fellowship at Yale University School of Medicine is a three-year training program designed to produce academic reproductive endocrinologists. The first year is spent as a full-time clinician, performing surgery and seeing patients in the private office setting. All first year activities are supervised. During this time, clinical research projects are begun. The second year is devoted to research, clinical projects are continued, and laboratory research is begun. The final year is spent completing research initiatives and devoting significant time to assisted reproductive technologies. It is expected that all fellows completing the program will be competent in all aspects of clinical reproductive endocrinology and will have completed their thesis requirements for subspecialty certification.