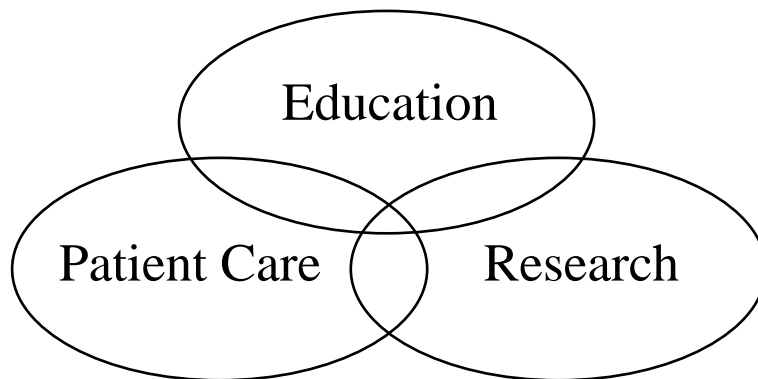


*University of Washington*  
**Department of Obstetrics and Gynecology**

# **2012–2013 Resident Applicant Information**



**UW Medicine**  
UW SCHOOL  
OF MEDICINE



## Administration



Established in 1948, the Department of Obstetrics and Gynecology has a faculty of 53 physicians, five PhD basic scientists, nine fellows, three nurse practitioners and five certified nurse-midwives, with 26 residents in training.

David A Eschenbach, MD, has served as the department Chair since June 2002. Of the 22 faculty members, for whom subspecialty certification is available, 14 are board certified in their subspecialty, two are active candidates and five are taking their writtens June 2012. All our faculty are board certified in Ob/Gyn except nine junior faculty who are active candidates and five who will be taking their writtens June 2012.

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### Administration

<i>Chairman:</i>	David Eschenbach, MD	
<i>Vice Chairs:</i>	Thomas Benedetti, MD, MHA Michael Gravett, MD	
<i>Administrative Director:</i>	Farel McClure, MA	(206) 543-0929
<i>Assistant to the Chair:</i>	Ellen Corke	(206) 616-8305
<i>Residency Program Director:</i>	Seine Chiang, MD	(206) 543-3891
<i>Assistant Residency Program Director:</i>	Alyssa Stephenson-Famy, MD	(206) 543-3891
<i>Residency Program Coordinator:</i>	Jason Webb	(206) 543-9626

### Department

<i>Phone:</i>	(206) 616-8305
<i>Fax:</i>	(206) 543-3915
<i>Mailing Address:</i>	University of Washington Department of Obstetrics and Gynecology Box 356460 Seattle, WA 98195-6460

### Divisions/Directors

<i>Education:</i>	Thomas Benedetti, MD, MHA	(206) 543-3891
<i>Gynecologic Oncology:</i>	Barbara Goff, MD	(206) 685-2463
<i>Maternal-Fetal Medicine:</i>	Michael Gravett, MD	(206) 543-3729
<i>Reproductive Endocrinology &amp; Infertility:</i>	Paul Zarutskie, MD (Acting Dir)	(206) 221-0328
<i>Urogynecology:</i>	Gretchen Lentz, MD	(206) 543-5555
<i>UWMC Women's Health:</i>	Seine Chiang, MD	(206) 543-9626
<i>HMC Women's Health:</i>	Susan Reed, MD, MPH	(206) 744-8563



# **EDUCATION**

# EDUCATION Division

The Education Division has responsibility for coordinating faculty development programs, Grand Rounds, Continuing Medical Education (CME) programs in Women's Health, and undergraduate and graduate medical education in obstetrics and gynecology. This division provides oversight for the development, implementation and consistent application of curriculum objectives and follows the national guidelines (Undergraduate—APGO, UMEC; Graduate—CREOG, RRC, ACGME).

## Residency Leadership



**Seine Chiang, MD**  
Professor, Women's Health  
Residency Program Director  
Division Dir, Women's Health



**Alyssa Stephenson-Famy, MD**  
Asst Prof, Maternal-Fetal Medicine  
Asst Residency Prgrm Director  
Maternal-Fetal Med Education



**Thomas J Benedetti, MD, MHA**  
Professor, Maternal-Fetal Med  
Education Division Director



**Vicki Mendiratta, MD**  
Assoc Prof, Women's Health  
Ob/Gyn Clerkship Director



**Kate Debiec, MD**  
Asst Prof, Women's Health  
Asst Ob/Gyn Clerkship Director  
Ped/Adolescent Gyn Education

## Medical Student Leadership

## Clinician Educators



**Anne-Marie Amies Oelschlager, MD**  
Assoc Professor, Women's Health  
Pediatric/Adolescent Gyn Education



**Rebecca Dunsmoor-Su, MD, MSCE**  
Asst Prof, Women's Health  
Residency Research Advisor



**Michael F Fialkow, MD, MPH**  
Asst Prof, Urogynecology  
Dir, Resident Surgical Skills Curric



**Brenda Houmard, MD, PhD**  
Assistant Professor, REI  
Reproductive Endocrinology  
and Infertility Education



**Jennifer A Jolley, MD**  
Assistant Professor, MFM  
Maternal-Fetal Med Education



**Gretchen M Lentz, MD**  
Prof and Div Dir, Urogynecology  
Urogynecology Education



**Kathleen Lin, MD, MSCE**  
Assistant Professor, REI  
Reproductive Endocrinology  
and Infertility Education



**Jennie Mao, MD**  
Clin Asst Prof, Women's Hlth  
Gynecology Education



**Sarah W Prager, MD, MAS**  
Asst Professor, Women's Health  
Family Planning Education



**Renata R Urban, MD**  
Assistant Professor, Gyn Onc  
Gyn Onc Education

Education directors at our community sites:

- William Peters, MD, and Chirag Shah, MD, MPH—Swedish Gynecology/Oncology
- David Luthy, MD, and Brigit Brock, MD—Swedish Obstetrics
- Blair Washington, MD—Virginia Mason Gynecology
- Roger Rowles, MD—Yakima Valley Memorial Hospital

# Education and Training

## RESIDENCY PROGRAM

### *Message from the Residency Program Director*

“The goal of our residency training program is to provide a balanced clinical experience with individualized teaching by nationally recognized experts in the field, complimented by formal education activities, including a robust patient safety program and a nationally renowned surgical skills simulation curriculum. A long-standing partnership between the University of Washington Medical Center and carefully selected affiliate hospitals provide our residents with a unique blend of ethnically diverse patients, different clinical settings, and extensive surgical and ambulatory care experiences. The true strength of our residency program, however, lies in the residents themselves—culturally sensitive, caring, intellectually curious young people!”



Residency Program Director  
Professor, Department of Obstetrics and Gynecology  
Division Director, Women’s Health  
Associate Medical Director, Roosevelt Women’s Health Center

### *University of Washington Obstetrics and Gynecology Residency Training Program*

- Fully accredited by the ACGME (2010) for 7 categorical positions per year
- Residency teaching provided by a dedicated team of University and community faculty:
  - 56 clinical faculty at UWMC and Harborview Medical Center (HMC)
  - 4 fellows in Gynecologic Oncology plus 5 fellows in Maternal-Fetal Medicine
  - Volunteer teaching faculty at Swedish Gynecologic Oncology group (8 *gynecologic oncologists*), Swedish Perinatal Medicine group (13 *perinatal specialists*), Virginia Mason (6 *gynecologists and 2 gynecologic oncologists*), Pacific Northwest Fertility (4 *REIs*) and Yakima Valley Memorial (4 *obstetrician/gynecologists*).

### *Educational Innovations*

- Introduction of a comprehensive one-wk PGY1 orientation, including hands on training in basic OB skills, common office procedures, and Gyn surgical skills utilizing simulation lab
- Introduction of OB simulation drills for routine OB procedures (*operative vaginal deliveries, episiotomies, hysterotomy repair, intrapartum fetal monitoring*) and OB emergencies (*eclampsia, hemorrhage, shoulder dystocia, wound closure*)
- Introduction of a formal curriculum in patient safety for Ob/Gyn residents and fellows
- Designation as one of the ACOG-approved sites for future national simulation testing and also one of 14 residency training programs nationally designated by Intuitive Surgical for da Vinci Robotic surgical training for Ob/Gyn residents and Gyn Onc fellows
- Disclosure training project using actors aimed at teaching our residents to effectively and ethically disclose medical errors
- Continuation of our rigorous surgical skills curriculum and our nationally-recognized simulation center (ISIS)

# Education and Training

## RESIDENCY PROGRAM

### *Residency Application Process*

Interviews are offered as completed files are reviewed. Therefore, **EARLY** submission and completion of applications is **key** as interview slots are limited and often filled before the October 1 deadline. No application received after **October 1, 2012**, will be reviewed.

An applicant's file is considered complete when we have received the following documents:

- MyERAS<sup>®</sup> application (which includes the CV)
- Personal statement
- USMLE or COMLEX scores
- Medical school transcripts
- 1 letter of recommendation (*preferably from an Ob/Gyn*)  
(3 total by November 1)

Applicant interviews are conducted during late October and the months of November and December. The selection committee consists of the department chair, residency program director, associate residency program director, faculty representatives from the various divisions, a patient-centered care team, and two residents.

### *Housestaff Salary*

All prospective residents must provide written confirmation that they were informed of the University of Washington Graduate Medical Education Residency Position Appointment and Policy, which outlines the terms of agreement during their residency training at the UW.

All applicants are informed that this is available on our GME website:

***<http://uwmedicine.washington.edu/Education/Graduate-Medical-Education/Residents-and-Fellows/Pages/default.aspx>***

Click on "Incoming Residents & Fellows" on the menu.

### **Approved Housestaff Compensation Rates July 1, 2012**

<i>Level</i>	<i>Annual Salary</i>	<i>Monthly Rate</i>
R1	\$50,556	\$4,213
R2	\$52,476	\$4,373
R3	\$54,636	\$4,553
R4	\$56,880	\$4,740

### *Housestaff Benefits*

Housestaff benefits include:

- Medical and dental insurance
- Stipend for on-call meals on most rotations
- On-call sleep rooms
- Physician lab coats
- Annual vacation of 3 weeks (*5 weekdays and 2 weekend days constitute one week*)
- UW retirement plan (*contributions up to 5% with 1:1 matching*)



# Education and Training

## *University of Washington* **Department of Obstetrics and Gynecology Residents** **2012–2013**

### **R4**



Eric G Adiarte, MD  
University of Minnesota



Anna L Altshuler, MD, MPH  
University of California, Irvine



Dina M Gordon, MD  
New Jersey Medical School



Meghan A McSorley, MD  
PhD, MPH  
University of Pittsburgh



Mary (Tilley) Jenkins Vogel, MD  
University of North Carolina



Andrew E Warner, MD  
University of Washington

### **R3**



Emily J Amarosa, MD  
Harvard Medical School



Dawn M Flandermeyer, MD, MPH  
George Washington Univ



Joelle Lucas, MD  
University of Washington



Timothy B Mitchell, MD  
New York Medical College



Anna T Panighetti, MD  
University of California, SF



Caroline E Rouse, MD  
Indiana University

### **R2**



Neeta K Makhija, MD  
Case Western Reserve



Kaitlin S Masarie, MD  
Oregon Health &  
Science University



Sarasija (Nithya)  
Nagella, MD  
University of Florida



Malavika Prabhu, MD  
Stanford University



David Prokai, MD  
University of Florida



Emily F Roemer, MD, MEM  
Univ of NC, Chapel Hill



Ana J Torvic, MD  
Univ of Washington

### **R1**



Melanie Andersen, MD  
Boston University



Carly M Bergen, MD  
Univ of Washington



Emily E Fay, MD  
New Jersey Med School



Carrie A McIlwain, MD, MPH  
Tulane University



Chris B Morse, MD  
Univ of Pennsylvania



Audrey M Moruzzi, MD  
Univ of Washington



Jordan K Stevens, MD  
St Louis University

# Education and Training

## RESIDENCY PROGRAM

### Synopsis of Clinical Experience

The Ob/Gyn Residency Review Committee (RRC) tracks specific Ob/Gyn procedures through the ACGME's web-based caselog system (OPLOG). Below is a representative listing of the average number and type of cases that first through fourth year residents logged into the ACGME database as primary surgeon. As you can see, our residents have the opportunity to perform many major and minor gynecologic surgeries during their first year of training.

The cumulative data is a compilation of the 2011-12 data provided to us by the ACGME\* in their roles as primary surgeon over the four years of training. These numbers represent cumulative average numbers per resident.

### *Average GYNECOLOGY Case Experience as Surgeon/Year of Training (Cumulative) 2011–12*

<i>By End of Year</i>	<i>TAH</i>	<i>TVH</i>	<i>LSC Hyst</i>	<i>UroGyn</i>	<i>Op LSC</i>	<i>Op HSC</i>	<i>Ab*</i>	<i>USG</i>	<i>Ca</i>
R1	8	0	1	24	37	26	13	36	24
R2	30	17	10	113	77	37	14	140	113
R3	47	27	28	99	94	57	39	145	99
R4	78	33	51	213	124	62	63	182	213
<i>UW data compared to national graduates (2011 National Percentile per ACGME)</i>									
UW 2011	91st	95th	90th	80th	80th	30th	79th	83rd	99th

*\*Our department receives funding as part of the nationally recognized Ryan Training Program to enhance abortion and family planning education and services. Residents have the option to “opt out” of providing abortion services, but are expected to participate in family planning services & counseling.*

### *Average OBSTETRICS Case Experience as Surgeon/Year of Training (Cumulative) 2011–12*

<i>By End of Year</i>	<i>Vaginal Delivery</i>	<i>Operative Delivery</i>	<i>Cesarean Delivery</i>
R1	108	1	3
R2	208	15	130
R3	232	17	210
R4	261	27	219
<i>UW data compared to nat'l grads (2011 Nat'l Percentile per ACGME)</i>			
UW 2011	38th	72nd	43rd

# Education and Training

## RESIDENCY PROGRAM

### Representative Rotation Schedule 2012–2013

R1	Swedish Gyn/Onc	UW OB	OB Night Float	UW Gyn Onc	UW OB	OB Night Float	HMC Amb	VA/UW Amb/ Night Float Wknd	UW Gyn	
R2	UW OB Antepartum	Swedish REI		Yakima Ob/Gyn	UW OB	OB Night Float	HMC Gyn	UW Gyn Onc	UW OB	OB Night Float
R3	HMC Gyn	Swedish OB		UW OB Antepartum	Ob/Gyn Holiday Sched		UW Amb	Gyn Night Float	Elective	Gyn Night Float
R4	Swedish Gyn/Onc	UW OB	OB Night Float	UW Gyn Onc	Ob/Gyn Holiday Sched		UW OB	OB Night Float	UW Benign Gyn	

Swedish = Swedish Medical Center, First Hill  
HMC = Harborview Medical Center  
Yakima = Yakima Valley Memorial Hospital

VA = Veteran's Administration, Puget Sound  
VM = Virginia Mason Medical Center  
UW = University of Washington Medical Center

OB Antepartum = High-risk obstetrics antepartum  
OB Night Float = Labor & Delivery night float  
UW OB = Labor & Delivery day coverage  
UW Amb = Women's Health

### Total Time Spent by Level of Training in Each Major Clinical Area, 2012–13

Level	Rotations	Time Spent
<b>R1</b>	Obstetrics	17 wks
	Gynecology	10 wks
	Gynecologic Oncology	15 wks
	Ambulatory Women's Health	10 wks
<b>R2</b>	Obstetrics	22 wks
	Gynecology	8 wks
	Gynecologic Oncology	7 wks
	Reproductive Endocrinology and Infertility	8 wks
	Rural Obstetrics and Gynecology ( <i>Yakima</i> )	7 wks
<b>R3</b>	Obstetrics	15 wks
	Gynecology	23 wks
	Ambulatory Women's Health	4 wks
	Elective—Research or International Health	4 wks
	Holiday Schedule (5-week tracking block + 1 week off)	6 wks
<b>R4</b>	Obstetrics	15 wks
	Gynecology	8 wks
	Gynecologic Oncology	15 wks
	Urogynecology	8 wks
	Holiday Schedule (5-week tracking block + 1 week off)	6 wks
<b>Approx Total Clinic Exper for All 4 Yrs</b>	Obstetrics	69 wks
	Gynecology	49 wks
	Gynecologic Oncology	37 wks
	Urogynecology	8 wks
	Reproductive Endocrinology and Infertility	8 wks
	Ambulatory Women's Health (primary care + specialty)	14 wks
	Elective—Research or International Health	4 wks
	Rural Obstetrics and Gynecology	7 wks
	Tracking (allows flexibility based on interest, need for extra experience)	12wks

# Education and Training

## CLINICAL TRAINING SITES



**University of Washington Medical Center (UWMC)** is the primary institution for residency training. It is a 450-bed teaching and research hospital that offers comprehensive medical care, including complete medical, surgical, obstetric, gynecologic and psychiatric services. In addition, there is a Neonatal Intensive Care Center, a Primary Care Center, and a unique Institute for Simulation and Interprofessional Studies (ISIS). The Medical Center has joined with the Fred Hutchinson Cancer Research Center and Seattle Children's to create the Seattle Cancer Care Alliance (SCCA), an integrated ambulatory and inpatient cancer

care center. UWMC offers residents a wide mix of inpatient and ambulatory patients from primary care to specialized tertiary care. UWMC also offers abundant opportunities to conduct research.

The Obstetrical Unit at UWMC is a referral center for a large geographic region ranging from Alaska to Montana, including most of the State of Washington and serving a large number of high-risk deliveries and high acuity antepartum patients. Approximately half of the 2300 annual deliveries at UWMC are direct hospital-to-hospital high-risk transfers and patients cared for in UW maternal-fetal medicine subspecialty clinics. In the Obstetrical Unit, residents are the center of the care model and provide direct care for a wide variety of medically complicated pregnancies. Milliman & Robertson (a national actuarial firm), rated the acuity of the service at 1.98, the highest they ever calculated.

The Gynecologic Oncology service at UWMC cares for a wide variety of gynecologic conditions with over 850 diagnosed cancer patients per year. Residents regularly are exposed to gynecologic malignancies, complicated pelvic surgeries, intensive care medicine, and perioperative complications due to patients with many co-morbid conditions. A four-year gynecologic oncology fellowship began in 2005; fellows rotate on the UWMC and Swedish Hospital Medical Center (SHMC) oncology services.

The Gynecology services at UWMC care for a wide variety of gynecologic conditions, with 1200 new patients seen in clinic per year. The 1st and 4th year residents on the Gynecology service and the 4th year on the Urogynecology service cross cover the UWMC Emergency Department and inpatient gynecology consultation requests. The Gynecology service residents also gain valuable ambulatory experience at the Roosevelt Women's Clinic where they provide routine and specialized gynecologic care. Specialty clinics, such as Vulvovaginitis, Colposcopy, Adolescent Gynecology, and Reproductive Endocrinology and Infertility, add to their clinical experience. Additionally, the UWMC Family Planning clinic provides training in a wide range of family planning services, including medical and surgical terminations.

As UWMC is primarily a tertiary care facility, rotations at SHMC, HMC, VMMC, the VA and YVMH are valuable to provide different practice models with populations of broad ethnic diversity and an extensive range of obstetrical and gynecological experience. At all institutions, an attending physician is present for all surgeries and deliveries, and is available in all resident continuity clinics to supervise clinical care and provide teaching.

## Education and Training

### CLINICAL TRAINING SITES



**Harborview Medical Center (HMC)** is owned by King County and is managed by the University of Washington. Unique features of the Harborview Ob/Gyn resident rotations include exposure to management of obstetric trauma in a Level I trauma center, a nationally recognized program for the management of patients after sexual assault, and an ethnically and socially diverse population. Forty percent of patients are non-English speaking (with a large proportion from Africa and Asia), and trained interpreters are available for all such patient care.

The gynecology rotations include inpatient and outpatient surgical care, and outpatient clinics. Residents on service at HMC cover emergency room call for obstetrical and gynecological trauma, gynecology emergency, and sexual assaults. In addition, the Ob/Gyn Department has a primary care

rotation at HMC for one 3rd year Ob/Gyn resident, who is supervised by both internal medicine and our Ob/Gyn faculty. The resident rotates through two primary care clinics, a Dermatology Clinic, a Breast Clinic, and a Genetics Clinic for those at high risk for hereditary cancers. This provides residents with significant exposure to ambulatory primary care for women in a heterogeneous, multi-cultural, lower socio-economic population in a county hospital setting.



**Virginia Mason Medical Center (VMMC)** is a private, non-profit organization which has an affiliation teaching agreement with the University of Washington for residents and medical students. VMMC is a large, multi-disciplinary group practice and 307-bed hospital in downtown Seattle. The gynecology rotation provides the 3rd year resident with a broad and in-depth exposure to all aspects of operative gynecology, including endoscopy, gynecologic oncology, pelvic floor reconstruction, and infertility. Residents work closely with three experienced, board certified gynecologists

and three gynecologic oncologists. This rotation gives residents experience with a different practice model, as well as extensive operative experience. The 3rd year resident serves as chief resident of the service.

# Education and Training

## CLINICAL TRAINING SITES



**Swedish Medical Center (SMC), First Hill** is a large, private hospital in downtown Seattle with a large gynecology service composed of both benign and oncology patients. SHMC has gynecologic oncologists who perform 270 cases per year and gynecologic surgeons who do 2800 major cases per year. SHMC does over 7000 deliveries annually and has a busy high-risk maternal-fetal medicine program. Both the obstetrical and gynecology services have full-time faculty with enthusiasm for and dedication to resident education. Their services round out the resident clinical experience and substantially increase their surgical experience and training as Ob/Gyn consultants.

The R1 and R4 on the Swedish gynecology rotation work with a specially designated teaching panel of dedicated gynecologic oncologists, general gynecologic surgeons, and reproductive endocrinology surgeons. An extensive operative experience is gained in complicated pelvic surgeries and benign disease, as well as basic vaginal, urogynecologic, and endoscopic gynecologic cases. These surgical cases fill the resident's operative schedule four to five days per week.

The R2 on the Reproductive Endocrinology rotation works closely in the clinic three days a week with four board certified reproductive endocrinologists (SHMC's Pacific Northwest Fertility group), evaluating patients with infertility and managing endocrinologic and congenital abnormalities. During this rotation, the resident performs endoscopic and robotic surgeries with Dr. Heath Miller, a minimally invasive gynecologic surgeon.

The R3 serves as the chief of the Swedish perinatal service, responsible for the management of high-risk antepartum patients, Cesarean and operative vaginal deliveries, and peripartum ICU patients. Additional training in performing and interpreting obstetrical ultrasound, both normal and abnormal, is provided.



**Yakima Valley Memorial Hospital (YVMH)** is a private, 223-bed, community-based hospital in Central Washington that serves a large rural area. Second- and third-year residents on the Yakima rotation experience a community style of practice where supervising Ob/Gyn attendings provide primary, obstetrical and gynecologic care for their patients. Residents on rotation at Yakima Valley Memorial also get experience delivering low-risk obstetrics patients, teaching UW medical students and local family practice residents, as well as performing a wide range of gynecologic surgeries.

## Education and Training

### CLINICAL TRAINING SITES

**VA Puget Sound** Health Care System is the largest referral medical center (504 total beds) in the Northwest Network and is part of the Veterans Integrated Service Network (VISN) 20, which includes



facilities in Anchorage, Boise, Portland, Roseburg, Spokane, Seattle/Tacoma, Walla Walla and White City. In the past year, the VA Puget Sound had outpatient visits and more than 8,318 inpatient treatments for close to 60,000 unique patients. At this site, the 1st year Ob/Gyn resident learns to serve as a consultant (evaluating, formulating a plan, and communicating with the referring provider), determine when a patient needs surgical intervention, optimize peri-operative management, perform various in-office procedures, and understand the unique psychosocial components of caring for women veterans.



**Seattle Children's Hospital** is a large, tertiary care center located in the University/Laurelhurst area of Seattle, ranked 6th best children's hospital in the nation in 2012 according to US News & World Report. The Pediatric and Adolescent Gynecology Program at UW Medicine and Seattle Children's is the only dedicated pediatric and adolescent gynecology practice in Washington. As a regional referral center, this clinic also serves patients from Montana, Idaho and Alaska. Residents rotate with our faculty, specialized in Pediatric and Adolescent Gynecology, to enhance their understanding of issues unique to the pediatric and adolescent

population—precocious and delayed puberty, breast abnormalities, ovarian cysts or pelvic masses, congenital anomalies of the reproductive tract, menstrual management and contraception for teens with complex medical issues, including cancer, bleeding disorders, developmental disabilities.

We also have a Prenatal Diagnosis and Treatment Program Clinic at Seattle Children's which provides care for pregnant women and their families when pregnancy is complicated by known or suspected conditions in the developing fetus. Maternal-Fetal Medicine Fellows train and work alongside our faculty in this clinic.

# Education and Training

## GLOBAL HEALTH

### Women's Health International Program (WHIP)



The goal of the University of Washington Department of Obstetrics & Gynecology Women's Health International Program is to improve women's health worldwide by providing health education for women, training for their health care providers, and by conducting research on key questions in women's health.

#### Resident Training

**Ob/Gyn Curriculum Project:** An Ob/Gyn Global Health lecture series is scheduled each February/March after CREOG. Each year we choose a particular topic and region of the world on which to focus, and use that focus to discuss broad issues in global women's health. The series includes a journal club and lectures by local experts from organizations like PATH, ITECH, the Bill & Melinda Gates Foundation and Health Alliance International.

**UW Integrated Residency Global Health Leadership Course:** Based in the Global Health Department and School of Public Health, this is a 1-month course designed to teach residents interested in careers in Global Health (GH) the skills necessary to become future leaders in this field. The course is available once per year and can be taken during the 1st or 2nd ambulatory block. It is comprised of several different components, including field visits to local GH organizations, lectures, case-studies and small group discussions, and focuses on three major areas:

- Global Health Knowledge
- Global Health Leadership Skills
- Clinical Skills in Resource-Limited Settings

**Global Health Educational Training in International Topics (GHET-IT):** An international residency group that hosts lectures and seminars on global health topics several times a year.  
<http://depts.washington.edu/rfgh/curriculum/>

**Global Health Elective Experience:** Residents in good clinical standing have the option to travel either to Mexico or Kenya (see below) for their third-year elective block of 4 weeks to participate in clinical service. Residents work with a faculty mentor at the UW and at the host institution to design an educational lecture to be given during their visit. They complete both objective assessment tools and self-assessment exercises during the rotation.

**Global Health Research:** Several faculty members participate in international women's health research projects that may offer opportunities for resident involvement to fulfill the resident research requirement.

### UW Ob/Gyn Global Health Webpages

<http://www.obgyn.uwmedicine.org> (*select Education & Training > Global Health*)

UW Global Health WACH, the UW Global Center for Integrated Health of Women, Adolescents and Children is an integrated effort between Global Health, Ob/Gyn and Pediatrics  
<http://www.depts.washington.edu/gwach/>



## Education and Training

### GLOBAL HEALTH ELECTIVE SITES

#### Chiapas, Mexico

*Palenque General Hospital*, located in the town of Palenque (population 14,000) in northern Chiapas, serves as a referral hospital for many of the surrounding communities and is also involved in the PRONTO training project. Palenque General Hospital has a staff of obstetricians, anesthesiologists and pediatricians. Most deliveries are attended by general practitioners or interns. The closest referral hospital for intensive care is in Villahermosa. The hospital has been involved in the PRONTO emergency obstetric and neonatal training project led by Dr. Dilys Walker and her collaborators at the National Institute of Health in Mexico.

#### Nairobi, Kenya

*Kenyatta National Hospital* has been expanded as a teaching site and is now clinically focused, providing exposure to the large community of infectious disease researchers based in Nairobi. Kenyatta National Hospital is the University of Nairobi teaching hospital and is the largest hospital in Kenya. Maternal mortality has been reported to be as high as 1000 per 100,000 live births, and breast and cervical cancer are the leading causes of cancer death in women. Kenyatta provides comprehensive obstetric and gynecologic care for referral patients from all over Kenya, and provides a rich clinical learning opportunity.

#### Naivasha, Kenya

*Naivasha Hospital* has a new maternity unit that is just being completed. Together with the Departments of Internal Medicine and Pediatrics, this site is clinically focused and will have the potential to host residents from Ob/Gyn, Peds and Medicine. It will also be supported and supervised by a UW Fellow in residence at Naivasha District Hospital.

### Ob/Gyn Faculty Currently Working Internationally

Our faculty participate in research and policy initiatives in India, Peru, Kenya, and Ethiopia. In collaboration with the School of Public Health and the Department of Global Health, this involvement is growing rapidly.

- David A Eschenbach, MD Kenya, Ethiopia, Tanzania
- Anne-Marie Amies Oelschlager, MD Ethiopia
- Thomas R Easterling, MD India
- Linda O Eckert, MD Kenya, Worldwide (WHO)
- Michael G Gravett, MD Africa, Southeast Asia
- Benjamin E Greer, MD China
- Connie Mao, MD Ethiopia, Senegal
- Caroline M Mitchell, MD, MPH Peru
- Sarah W Prager, MD, MAS Zambia, Uganda, Nepal
- Jennifer A Unger, MD, MPH Kenya
- Dilys M Walker, MD Mexico, Guatemala, Kenya



# Education and Training

## RESIDENCY PROGRAM

### Resident Elective/Research Overview

One of the Residency Program's educational objectives is to provide an opportunity for the residents to conduct original research. During the R2 and R3 years, including use of the allotted R3 elective time, residents must conduct their research, gather and analyze their data, and prepare a presentation for Resident Research Day, where R3s present their research to the department and Ob/Gyn community. Residents are required to prepare and submit a manuscript for publication during their R4 year. The research/elective experience is designed to create a pathway to foster reading and the analysis of medical literature in the years following residency.

### Past Four Years of R3 Four-week Elective Sites/Study

<i>Resident</i>	<i>Location</i>	<i>Area of Elective Study</i>
<b>Class of 2013</b>		
Adiarde	Seattle	Gyn/Onc surg; develop laparoscopy labs for res; Min Invasive Gyn Surg Trng Prgm
Altshuler	Mexico	Ob/Gyn & Family Planning in Mexico; teaching health care providers
Gordon	Seattle & Yakima	Pediatric/Adolescent Gyn/OB procedures; research project
McSorley	Seattle	Gyn surgical skills with Virginia Mason & simulation lab; research data analysis
Vogel	Texas	MD Anderson Gyn Onc Rutledge Fellowship
Warner	Seattle	Reproductive Endocrinology & Infertility, Ped/Adolescent Gyn, OB U/S, research data
<b>Class of 2012</b>		
Bar-Joseph	Seattle	Pediatric/adolescent gynecology
Durkee	Seattle	Pediatric/adolescent gynecology
Eymard	Seattle	UWMC MICU
Hoppe	Seattle	Research and maternity leave
Mahdi	Texas	MD Anderson Gyn Onc Rutledge Fellowship
Zins	Seattle	Research, teaching and skills training of students/residents
<b>Class of 2011</b>		
Cieslik	Seattle	Research at Pacific Northwest Fertility
Jacques	Seattle	Maternity leave
Kilgore	Texas	MD Anderson Gyn Onc Rutledge Fellowship
Medford	Lima, Peru	Obstetrics and STI clinics
Shope	Nairobi, Kenya	Providing healthcare for women in Nairobi, teaching
Thake	Seattle	Robotics training and certification; research
<b>Class of 2010</b>		
Carranza	Lima, Peru	Obstetrics, researching factors affecting maternal mortality
Lewis	Lima, Peru	Obstetrics, understanding maternal health, morbidity, mortality
McLean	Seattle	Ovarian cancer in elderly, pelvic exent in modern chemoradiation rsch
McLemore	Lima, Peru	Obstetrics, STI clinics
Tenpenny	Yakima	Rural medicine
Thomas	Seattle	Home births/transfers; Lead Follicle Project

# Education and Training

## RESIDENCY PROGRAM

### 2012-13 Required Department Educational Activities

All Ob/Gyn residents listed are required to attend these activities, unless they have obtained special permission to be excused. Each division is responsible for providing clinical service coverage.

<i>Day</i>	<i>Activity</i>	<i>Required</i>
July 11	Porcine Lab	Laparoscopy training for R2s; laparotomy for R3s
September 1 annually	ABOG Application	Chief Residents: Time to apply for ABOG exam, scheduled for last Monday in June. (www.abog.org)
Sept 5, 2012	Annual Resident Retreat	Each division is responsible for its own attending coverage until 5:00 pm. Location—Waterfront Activities Center after Grand Rounds
November 14 annually	ABOG Exam Final Registration	Chief Residents: Application for June exams must be finalized, along with your exam fee—NO exceptions! (www.abog.org)
As scheduled	Surgery Simulation	Simulation labs/experiences: Error disclosure, Gyn, OB skills
January annually	Resident Research Day Applications Due	R2 residents submit their research application
Jan 25, 2013	CREOG In-Service Exams	All residents. All day.
Feb 6, 2013	Legislative Day	Residents as scheduled; not all will attend. Details TBA. 8:00 am – 2:30 pm
Feb 20, 2013	Ski Day	8:00 am to 5:00 pm, Snoqualmie Pass
May 2013	Resident Research Day	7:30 am to 1:00 PM (date TBA), South Campus Center
June 14, 2013	Resident Roast	Date and time TBA
June 12, 2013	NRP Training	
June 15, 2013	Senior Resident & Fellow Graduation Banquet.	Venue TBA
June 24, 2013	ABOG Exams	All Chiefs at testing centers. R4 level residents must have applied to ABOG before November 15th of prior year.

### Other Resident Requirements and Department Activities

<b>Grand Rounds</b> —Wednesday mornings, 8:00 am to 9:00 am, September through May	As listed on Grand Rounds Schedule online at <a href="http://www.obgyn.uwmedicine.org">http://www.obgyn.uwmedicine.org</a> (click on <i>Department Calendar &amp; News</i> )
<b>Resident Didactics/Lectures/Conferences</b> ( <i>required</i> ): • Morbidity and Mortality Conference @ 9:00 am • Didactics 10:00 am to 12:00 pm • Presurgery conference @ 12:00 pm	Wednesday mornings 9:00 am to noon in BB-667
<b>Faculty Research Hour</b>	10:00 am 1st Wed of the month, September thru May
<b>Journal Club</b> —Wednesday evenings at 7:00 pm	6 times/year at faculty homes
<b>Resident Evaluation Committee</b>	November and May annually, 9:00 am to noon
<b>Faculty Meetings</b>	Monthly—4th Wednesday of the month at 7:00 am
<b>Faculty Development Workshop</b>	Annually in June
<b>Resident Applicant Interviews</b>	Mondays 7:15 am to 1:30 pm Late October; November; December

# Education and Training

## RESIDENCY PROGRAM

### Ob/Gyn Resident Surgical Simulation Education Curriculum

#### *Program Overview*

The foundation for the UW Simulation Training Program began in 1997 when Drs. Barbara Goff and Gretchen Lentz launched a series of studies, modeled on work done in general surgery, showing that bench or inanimate trainers and live animal models can improve the surgical skills of untrained Ob/Gyn residents before they enter the operating room. Studies show that repetitive simulated practice of technical and interprofessional skills improves performance. Because curricula are designed to capture data on performance and immediately provide feedback, residents train in a safe environment to reduce/eliminate errors. Annual assessments are on evidence-based models and scenarios, including fundamental surgical skills, gynecologic and obstetric procedures, as well as obstetric emergencies.

#### *Mission Statement*

Improve the education/evaluation of technical surgical skills and inter-professional communication for obstetrics and gynecology using simulation.

#### *Program Objectives*

- 1) Increase efficiency, procedural precision and proficiency of Ob/Gyn procedures by providing the opportunity to repetitively practice specific surgical skills and procedures
- 2) Integrate simulation of common emergencies seen in the labor and delivery unit into the training and testing of students, residents and faculty
- 3) Integrate simulation of essential surgical procedures for generalist obstetrician gynecologists into the training and testing of students, residents and faculty
- 4) Research simulation-based teaching methods, simulators and the learning environment for the purpose of improving student, resident and faculty training, as well as verification of surgical and emergency management skills
- 5) Implement (through scenario simulation) the principles and culture of teamwork, using the TeamSTEPPS model

#### *Training Assessment Sites for the Surgical Education and Research Program (SERP)*

- 1) Access to self-directed learning in the ISIS lab is available to residents 24/7, allowing for independent practice at the convenience of the resident.
- 2) Directed 4-hr dry labs are scheduled in the ISIS Center, using models, simulators, skills drills, etc. for training and evaluation. ISIS labs are held monthly and additional curricula are being developed

### Vaginal Ultrasound Simulation ScanTrainer



In keeping with our goal to provide high quality simulated training for as many Ob/Gyn clinical experiences as possible, we are the first residency program in the United States to acquire a high fidelity vaginal ultrasound simulation ScanTrainer with haptic feedback.

## Education and Training

### SIMULATION TRAINING SITES

#### Institute for Simulation and Interprofessional Studies (ISIS)



The primary goal of ISIS is to provide leadership in simulation technologies to improve the quality of health care education, patient safety and outcomes. Our nationally recognized ISIS Center has placed UWMC at the “virtual” cutting edge in surgical skills and simulation. The UW Ob/Gyn Simulation Training Program uses ISIS to teach fundamental surgical skills, such as knot tying, but also uses the virtual LDR to simulate obstetric emergencies, such as postpartum hemorrhage and eclampsia. ISIS received accreditation as a Level 1 Comprehensive Education Institute of the American College of Surgeons in 2006 ([www.isis.washington.edu](http://www.isis.washington.edu)).

### PATIENT SAFETY TRAINING

The department is committed to safety in patient care. A critical component of that commitment is resident training that fosters patient safety and education of our trainees in patient safety initiatives. Our program in Ob/Gyn provides a formal and comprehensive curriculum in patient safety. It includes the following:

- UW Medical Center-Supported Programs
  - UW GME Safety Modules
  - Surgical Safety Checklist (operating rooms)
  - Electronic medical record patient hand-off system (CORES)
- Department Programs for Faculty, Fellows, Residents
  - Grand Rounds
  - Morbidity & Mortality Conference
  - Patient Safety and QI Journal Club
  - Quality Improvement projects (by division)
- Simulation Education
  - Training in Team Communication (TeamSTEPPS)
  - Medical Error Disclosure Training
  - Surgical simulation curriculum by level of training (Ob and Gyn)
- Patient Safety Didactic Lectures, including training in the electronic medical record patient hand-off system (CORES)
- Gynecology Surgical Conference

## Education and Training

### 2011–2012 GRAND ROUNDS—Second Half

- January 4: **Postoperative Issues in Gynecologic Oncology: Minimally Invasive Doesn't Just Mean Robot**  
*Renata R Urban, MD, Assistant Professor, Div of Gynecologic Oncology, Dept of Ob/Gyn, UW*
- January 11: **Evolving Knowledge of Teratogenicity of Medications in Human Pregnancy**  
*Margaret Adam, MD, Associate Professor, Div of Genetic Medicine, Department of Pediatrics, UW*
- January 18: **When Surgery Is Not the Option: Medical Management of Abortion**  
*Sarah W Prager, MD, MAS, Assistant Professor, Div of Women's Health, Dept of Ob/Gyn, UW*
- January 25: **Physiology vs. Structure: The Case for Sacroneuromodulation and Botox**  
*Michael F Fialkow, MD, MPH, Assistant Professor, Div of Urogynecology, Dept of Ob/Gyn, UW*
- February 8: **Ovarian Cancer**  
*Benjamin E Greer, MD, Professor, Div of Gynecologic Oncology, Dept of Ob/Gyn, UW*
- February 22: **Induction of Labor: Facts and Fallacies**  
*Kara K Hoppe, DO, R4 Resident Physician, Dept of Obstetrics & Gynecology, Univ of Washington*
- February 29: **The Current State of Breastfeeding (and not just in Washington)**  
*Alyssa Stephenson-Famy, MD, Asst Prof, Div of MFM, Asst Res Prgm Director, Dept of Ob/Gyn, UW*
- March 7: **Toward Understanding Obstetrical Outcome in ART**  
*William Gibbons, MD, Professor, Division and Fellowship Director, Reproductive Endocrinology & Infertility, Baylor College of Medicine, Houston, TX*
- March 14: **Your Money, Your Future**  
*Robert J Wallace, MD, MBA, Clin Assoc Professor, Dept of Ob/Gyn, Keck School of Medicine, University of Southern California*
- March 28: **Hypertension in Pregnancy: Improving Outcomes in Low and Middle Income Countries—Why is it so hard?**  
*Thomas R Easterling, MD, Professor, Div of Maternal-Fetal Medicine, Dept of Ob/Gyn, UW*
- April 4: **New Paradigms in Renal Transplant in the Gravid Patient**  
*Corey M Eymard, MD, R4 Resident Physician, Dept of Obstetrics & Gynecology, Univ of Washington*
- April 11: **Gynecologic Care of Premenopausal Women with Breast Cancer**  
*Karen Bar-Joseph, MD, R4 Resident Physician, Dept of Obstetrics & Gynecology, Univ of Washington*
- May 9: **Update on Genetic Testing**  
*Barbara Norquist, MD, Senior Gyn Onc Fellow, Dept of Obstetrics & Gynecology, Univ of Washington*
- May 16: **Pregnancy as a Lens into Future Maternal Health?**  
*Hilary S Gammill, MD, Assistant Professor, Div of Maternal-Fetal Medicine, Dept of Ob/Gyn, UW*

## Education and Training

### RESIDENT & FELLOW RESEARCH DAY

#### 2012 Senior Resident Research Presentations

- Karen L Bar-Joseph, MD:* Purification of Human Spermatozoa from Seminal Fluid Spiked with Cell-Free and Cell-Associated HIV: Evaluation for Insemination in HIV Discordant Couples
- Sara A Durkee, MD:* Risk Factors for C-Section in Nulliparous Somali-Born Women Compared to Nulliparous US-Born White and Black Women: A Cohort Study
- Corey M Eymard, MD:* Use of PET/CT Scans in Detection of Recurrent Gynecologic Cancer
- Kara K Hoppe, DO:* Expression of Ovarian Cancer Antigens in Fetal and Adult Ovarian and Fallopian Tube Epithelium
- Haider S Mahdi, MD:* Suicide in Women with Gynecologic Cancer
- Andrea M Zins, MD:* Effects of Home and In-House Call on Resident Sleep Patterns

#### 2012 Fellow Research Presentations

- Barbara M Norquist, MD:* Secondary Somatic Mutations Restoring BRCA1/2 Predict Chemotherapy Resistance in Hereditary Ovarian Carcinomas

### RESIDENT & FELLOW RESEARCH DAY

#### 2011 Senior Resident Research Presentations

- Laura A Cieslik, MD:* Assisted Hatching of the Zona Pellucida Prior to Embryo Transfer in Fresh Donor Egg IVF Cycles
- Laura Jacques, MD:* Aggressive Surgical Cytoreduction and Adjuvant Therapy for Optimal Management of Advanced Endometrial Carcinoma
- Joshua E Kilgore, MD:* Risk Factors Associated with a Change in Endometrial Cancer Grade
- Richelle N Olsen, MD:* Analysis of Correlation between Preterm Labor and Estriol Levels Early in Pregnancy
- Anna R Shope, MD:* International Electives in Obstetrics & Gynecology Resident Education: A Survey of Resident & Alumni Experience & Interest in Global Health
- Mary Beth Welch, MD:* Fever, Leukocytosis and Bacteremia during Cervical Preparation with Osmotic Dilators for Dilation and Evacuation

#### 2011 Fellow Research Presentations

- Sophia Lannon, MD, MPH:* Fastidious Genital Tract Bacteria in the Pregnant Uterus
- Sarah A Waller, MD:* Retrospective Review of the Incidence of Fetal Anomalies after Incomplete Anatomic Surveys between 16-22 Weeks at a Single Institution

# Education and Training

## RESIDENCY PROGRAM

### What Our Graduates Are Doing

<i>2012 Graduates</i>	<i>Medical School</i>	<i>Career After Residency</i>
Bar-Joseph, Karen	University of Washington	Academic Medicine (UW)
Durkee, Sara	University of Washington	Group Health Bellevue as a generalist
Eymard, Corey	University of Virginia	General Surgery Residency (UVA)
Hoppe, Kara	Chicago Coll Osteo Med	MFM Fellowship (UW)
Mahdi, Haider	Kufa College of Med, Iraq	Gyn Onc Fellowship (Cleveland Clinic, OH)
Zins, Andrea	University of Minnesota	Academic Medicine (UW)
<i>2011 Graduates</i>	<i>Medical School</i>	<i>Career After Residency</i>
Cieslik, Laura	Univ Southern California	Private Practice (Boulder, CO)
Jacques, Laura	University of Wisconsin	Private Practice (Onconomowoc, WI)
Kilgore, Joshua	New York Medical Coll.	Gyn Onc Fellowship (UNC)
Olsen, Richelle	University of Maryland	MFM Fellowship (UC, San Diego)
Shope, Anna	UW	Academic Medicine (UW)
Welch, Mary Beth	Southern Illinois Univ	Private Practice (Bellevue, WA)
<i>2010 Graduates</i>	<i>Medical School</i>	<i>Career After Residency</i>
Carranza, Leslie	University of Minnesota	Academic Medicine (UW)
Lewis, Merry (Ali)	UW	Academic Medicine (UW)
McLean, Kate	Univ of Chicago /Pritzker	Gyn Onc Fellowship (UW)
McLemore, Leslie	St. Louis University	Private practice (Yakima, WA)
Tenpenny, Elizabeth	UW	Private practice (Seattle, WA)
Thomas, Chad	Illinois Urbana/Cham	Private practice (Bellingham, WA)
<i>2009 Graduates</i>		
Chang, Justine	Brown Medical School	MFM Fellowship (Magee-Womens Hospital)
Debiec, Katherine	UW	Academic Medicine (UW)
DeSano, Ali	UW	Private practice (Salt Lake City, Utah)
Lee, Sue	Columbia University	Academic Medicine (UW)
Lorentz, Wendy	UW	Academic Medicine (UW)
Sementi, Olivia	UW	Private practice (Coeur d'Alene, ID)
<i>2008 Graduates</i>		
Marrs, Jessie	UW	Private Practice (Seattle, WA)
Nathan, Joshua	George Washington Univ	Private Practice (Everett, WA)
Norland, Emily	University of Iowa	Private Practice (Seattle, WA)
Norquist, Barbara	UW	Gyn Onc Fellowship (UW)
Simmons, LaVone	University of Vermont	MFM Fellowship (UW)
Stephenson-Famy, A	UW	MFM Fellowship (Magee-Womens Hospital)



## Education and Training

### FELLOWSHIP PROGRAM

#### Gynecologic Oncology (4 years)



Barbara A Goff, MD, Director, Gynecologic Oncology Fellowship

Training fellows in the comprehensive management of gynecologic malignancies and research through clinical and research mentors. Based primarily at UWMC and Seattle Cancer Care Alliance, including rotations at Swedish Hospital Medical Center.

F4	Melissa M Thrall, MD	University Health Center of Pittsburgh/ Magee-Womens Hospital ( <i>Residency</i> ) Albany Medical College ( <i>MD</i> )
F3	Katherine A McLean, MD	University of Washington ( <i>Residency</i> ) University of Chicago/Pritzker ( <i>MD</i> )
F2	Kathryn P Pennington, MD	University of Michigan ( <i>Residency</i> ) University of Michigan ( <i>MD</i> )
F1	Minh Dao, MD	University of Texas, Galveston ( <i>Residency</i> ) University of Iowa ( <i>MD</i> )

Website: <http://depts.washington.edu/obgyn/>

Select: Education & Training > Fellowships > Gynecologic Oncology Fellowship

#### Maternal-Fetal Medicine (3 years)



Jane E Hitti, MD, MPH, Director, Maternal-Fetal Medicine Fellowship

Designed to give fellows a well-rounded experience in Maternal-Fetal Medicine, with time equally divided between clinical experience and research in preparation for a productive career in either academic medicine or private perinatal practice.

F3	Jeroen P Vanderhoeven, MD	Oregon Health & Science University ( <i>Residency</i> ) Drexel University College of Medicine ( <i>MD</i> )
F2	Kimberly K Ma, MD	Oregon Health & Science University ( <i>Residency</i> ) Vanderbilt University ( <i>MD</i> )
F2	LaVone E Simmons, MD	University of Washington ( <i>Residency</i> ) University of Vermont ( <i>MD</i> )
F1	Kara K Hoppe, DO	University of Washington ( <i>Residency</i> ) Chicago College of Osteopathic Medicine ( <i>MD</i> )
F1	Ashlie AR Tronnes, MD	Oregon Health & Science Univ, Yrs 2–4 ( <i>Residency</i> ) Women & Infant's Hospital, Brown Univ, Yr 1 ( <i>Res</i> ) Albany Medical School ( <i>MD</i> )

Website: <http://depts.washington.edu/obgyn/>

Select: Education & Training > Fellowships > Maternal-Fetal Medicine Fellowship

# Education and Training

## MEDICAL STUDENTS

### Overview

A core mission of the University of Washington School of Medicine is to educate students who will likely provide medical care for five of the states within ACOG's District VIII: Washington, Wyoming, Alaska, Montana, and Idaho (WWAMI). UW's philosophy is to focus on decentralizing medical education within the WWAMI region and to involve District VIII Fellows in the teaching process. Approximately 60% of students will complete their clerkship at sites other than in the Seattle area.

Through the cooperative work of the UW Department of Ob/Gyn faculty in Seattle and community faculty composed of ACOG Fellows and Junior Fellows, the program has become a nationally recognized educational model, with 60% of UW students eventually practicing within the five-state WWAMI region.

### • **Required Third-Year Ob/Gyn Clerkship**

During this required core clerkship, students will have the opportunity to interact with women in all stages of life, experience a variety of obstetrical and gynecologic conditions in both outpatient and inpatient settings, participate in the care of laboring patients, attend deliveries and gynecologic surgeries, and gain an understanding of the primary care mission within our specialty. As in all core clerkships, students will learn many valuable skills during this rotation to help them develop into self-directed, life-long learners.

*Website:* <http://depts.washington.edu/obgyn/>  
Education & Training > Third-Year Clerkship

### • **Fourth-Year Electives** (*4 weeks each*)

#### ***Gynecologic Oncology***

Students will acquire basic surgical skills and be exposed to evaluation, counseling, adjuvant therapies, and complex surgical procedures, care for multiple medically complicated patients simultaneously, and work with multidisciplinary teams in the care of gynecologic oncology patients.

#### ***Antenatal High-Risk Obstetrics***

Students will learn to evaluate and manage medically complicated patients and common pregnancy complications, learn the effect of common medical diseases on the course of pregnancy and the effect of pregnancy on the course of these diseases.

#### ***Subspecialty Gynecology***

Students are exposed to the breadth and depth of specialty areas of gynecology, including urogynecology, family planning, adolescent gynecology, and reproductive endocrinology and infertility.

#### ***Obstetrics and Gynecology Special Electives***

By special arrangement and permission only: Special clerkship, externship, or preceptorship opportunities are possible at other institutions, private offices or sites within the WWAMI region.

## Education and Training

### CAREER DEVELOPMENT AWARDS

#### Women's Reproductive Health Research (WRHR) Career Development Program

*David A Eschenbach, MD, Principal Investigator*

*Susan M Reed, MD, MPH, Research Program Director*

*Elizabeth M Swisher, MD, Scientific Advisor*

Since 1999, the UW's Department of Obstetrics and Gynecology has been funded by the National Institutes of Health as a Women's Reproductive Health Research Career Development Training Center. The long-term goal is to recruit and facilitate the career development of obstetrician gynecologists who have demonstrated research potential and are committed to a career in academic medicine.

The principle training format is a mentored experience with a successful investigator (clinical or basic research) for a minimum of two and a maximum of five years. Scholars devote ~80% of their time to research, with the scope open for scholars and mentors to direct, and encompasses all areas of obstetrics and gynecology and its subspecialties. Up to four scholars are on board at any given time.

#### Currently Funded Scholars:

- **John B Liao, MD, PhD**, Gynecologic Oncology (*September 2010–August 2015*)  
— Development of a Polyepitope DNA Vaccine for Ovarian Cancer Immunotherapy
- **Jennifer A Unger, MD, MPH**, Women's Health (*May 2011–September 2014*)  
— Health Technology to Improve Maternal and Neonatal Health in Resource-Limited Settings
- **Barbara S Norquist, MD**, Gynecologic Oncology (*July 2012–June 2017*)  
— Identification of Germline Mutations in DNA-Repair Genes in Women with Ovarian Cancer

#### Scholars Who Have Already Completed WRHR Training:

- **Hilary S Gammill, MD**, Maternal-Fetal Medicine (*January 2007–December 2011*)  
— Immunologic Maladaptation and Microchimerism in Preeclampsia
- **Caroline M Mitchell, MD, MPH**, Women's Health (*August 2006–April 2010*)  
— HIV-1 in the Female Genital Tract
- **Jennifer A Unger, MD, MPH**, Women's Health (*August 2007–April 2009*)  
— Immunologic Factors Involved in Adverse Pregnancy Outcomes Related to Malarial Infection
- **Michael F Fialkow, MD, MPH**, Female Pelvic Medicine and Reconstructive Pelvic Surgery (*July 2004–July 2007*)  
— Epidemiology of Recurrent Pelvic Organ Prolapse
- **Kristina M Adams Waldorf, MD**, Women's Health (*July 2002–December 2006*)  
— The Maternal-Fetal Immune Response to Preterm Labor
- **Jennifer L Melville, MD, MPH**, Women's Health (*July 1999–March 2004*)  
— Depression and Obstetric-Gynecologic Disorders
- **Elizabeth M Swisher, MD**, Gynecologic Oncology (*July 1999–September 2002*)  
— Molecular Markers in Ovarian Cancer
- **Susan D Reed, MD, MPH**, Women's Health (*July 1999–July 2001*)  
— Steroid Hormones and Uterine Neoplasms
- **S Samuel Kim, MD**, Reproductive Endocrinology and Infertility (*July 1999–July 2001*)  
— Ovarian Cryopreservation and Transplantation

Website: <http://depts.washington.edu/obgyn/>

Education & Training > Career Development > Women's Reproductive Health Research



# **PATIENT CARE**

## Patient Care & Clinical Services

### Division of GYNECOLOGIC ONCOLOGY

The Gynecologic Oncology Division strives to provide the most comprehensive gynecologic oncology care available to patients with gynecologic cancers. The eight gynecologic oncologists in this division (five of whom are subspecialty certified and three junior faculty who are active candidates) constitute the largest single group of gynecologic oncologists in the Pacific Northwest. Dr. Hipps provides gynecologic support for cancer patients at the SCCA. In addition, four Gyn Onc Fellows are in training.

In 2010, 870 new reproductive tract cancer patients were seen in the Gynecologic Oncology Clinic at the Seattle Cancer Care Alliance (SCCA) Southeast Lake Union facility, an alliance of UWMC, Seattle Children's and the Fred Hutchinson Cancer Research Center. Over 500 major surgical cases and 200 minor surgeries were performed, in addition to 1530 cycles of chemotherapy administered.



**Barbara A Goff, MD**  
Professor & Director, Gyn Onc  
Univ of Pennsylvania (MD)  
Brigham & Wmn's Hosp (Res)  
Mass General Hosp (Gyn Onc)



**Heidi J Gray, MD**  
Assoc Prof, Gynecologic Oncology  
Univ of California LA (MD)  
University of Washington (Res)  
Univ of Pennsylvania (Gyn Onc)



**Benjamin E Greer, MD**  
Prof, Gynecologic Oncology  
Univ of Pennsylvania (MD)  
University of Colorado (Res)



**Linda Joy Hipps, MD**  
Clin Assoc Prof, Gyn Onc  
Catholic Univ Louvain (MD)  
Winthrop Univ Hosp (Res)



**John B Liao, MD, PhD**  
Asst Prof, Gynecologic Oncology  
George Washington Univ (MD)  
Yale University (PhD)  
George Washington Univ (Res)  
Univ of Pennsylvania (Gyn Onc)



**Barbara M Norquist, MD**  
Acting Asst Prof, Gyn Onc  
University of Washington (MD)  
University of Washington (Res)  
Univ of Washington (Gyn Onc)



**Elizabeth M Swisher, MD**  
Assoc Prof, Gynecologic Oncology  
Univ of Calif, San Diego (MD)  
University of Washington (Res)  
Washington University (Gyn Onc)



**Hisham K Tamimi, MD**  
Prof, Gynecologic Oncology  
Cairo University (MD)  
Northwestern University (Res)  
Memorial Sloan-Kettering (Gyn Onc)



**Renata R Urban, MD**  
Asst Prof, Gynecologic Oncology  
Boston Univ School of Med (MD)  
Stanford University (Res)  
Stanford/UCSF (Gyn Onc)



**Barbara J Silko, PhD, ARNP**  
Teaching Associate  
Univ Wisconsin, Madison (BSN)  
Univ Wisconsin, Eau Claire (MSN)  
Univ of Washington (PhD)  
Univ of Washington (ARNP)



**Melissa M Thrall, MD**  
Fourth Year Fellow (Gyn Onc)  
Albany Medical College (MD)  
Magee-Women's Hosp (Res)



**Katherine A McLean, MD**  
Third Year Fellow (Gyn Onc)  
Univ of Chicago/Pritzker (MD)  
University of Washington (Res)



**Kathryn P Pennington, MD**  
Second Year Fellow (Gyn Onc)  
University of Michigan (MD)  
University of Michigan (Res)



**Minh Dao, MD**  
First Year Fellow (Gyn Onc)  
University of Iowa (MD)  
Univ of Texas, Galveston (Res)

## Patient Care & Clinical Services

### Division of REPRODUCTIVE ENDOCRINOLOGY AND INFERTILITY

The Division of Reproductive Endocrinology and Infertility (REI) has three physicians subspecialty board certified in REI who see patients at the University Reproductive Care Clinic (URC), UWMC Roosevelt. They specialize in comprehensive care to men and women trying to conceive a child. Our physician-educators work with patients and students of all levels to simplify and demystify reproductive endocrinology and the process of infertility treatments, providing advanced fertility-sparing surgery, intrauterine insemination procedures and IVF. Our facility has a new state-of-the-art IVF laboratory offering oocyte freezing, intracytoplasmic sperm injection and preimplantation genetic diagnosis. Our specialist physicians also treat patients for reproductive and gynecologic disorders, such as menstrual irregularities and anomalies of the reproductive tract, and are uniquely positioned to provide multidisciplinary fertility preservation care for the cancer patient and patients with medical complexity.



**Paul W Zarutskie, MD**  
Division Director, REI  
Acting Assoc Professor, REI  
Hahnemann Med Coll (MD)  
Duke University (Res)  
Brigham & Wm's, Harvard (REI)



**Brenda S Houmard, MD, PhD**  
Asst Prof, Repr Endo & Infer  
Ohio State University (PhD)  
Ohio State University (MD)  
Ohio State University (Res)  
University of Washington (REI)



**Kathleen Lin, MD**  
Asst Prof, Repr Endo & Infer  
Albert Einstein College (MD)  
NY Pres Hosp/Cornell Med Ctr (Res)  
Univ of Pennsylvania (REI)  
Cornell Med Ctr (Male Infertility)

### University Reproductive Care

Website: <http://www.obgyn.uwmedicine.org/URC>

#### • Reproductive Endocrine Care

- Recurrent pregnancy loss
- Polycystic ovarian disease
- Endometriosis
- Endocrinopathies
- Androgen excess syndromes
- Menstrual/metabolic disorders

#### • Comprehensive Fertility Care

- Ovulation induction
- Intrauterine inseminations
- In Vitro Fertilization (IVF)
- Fertility preservation

#### • Operative Techniques and Procedures

- Advanced laparoscopy/hysteroscopy
- Correction of Müllerian anomalies
- Microsurgical sperm retrieval
- Microsurgical tubal anastomosis

#### • Education

- Basic reproductive endocrine and infertility care
  - Didactic
  - Clinical experience
- Individual, case-based learning and teaching
- Skills in reproductive imaging
  - Pelvic ultrasound
  - Hysterosalpingogram
  - Sonohysterogram

## Patient Care & Clinical Services

### Division of MATERNAL-FETAL MEDICINE

The Division of Maternal-Fetal Medicine provides quality patient care, conducts extensive medical education, and performs clinical and basic research. It is composed of fourteen physicians, including nine subspecialty certified in maternal-fetal medicine and four junior faculty who are active candidates for subspecialty certification; five maternal-fetal medicine fellows; a PhD diabetes clinical nurse specialist; and two perinatal clinical nurse specialists. We specialize in high-risk obstetrics, including hypertension in pregnancy, diabetes in pregnancy, multiples, prematurity prevention, teen pregnancy, and prenatal diagnosis and fetal therapy.

Maternal-fetal medicine services are also offered at Providence Everett Medical Center, Yakima Valley Memorial Hospital, Columbia Health Center, and the Prenatal Diagnosis and Treatment Program at Seattle Children's Hospital.



**Michael G Gravett, MD**  
Professor and Director, MFM  
University of California, LA (MD)  
University of Washington (Res)  
Univ Wash (MFM/Infect Disease)



**Donald AG Barford, MD**  
Clinical Professor Emeritus, MFM  
University of London (MD)  
Univ of Natal, South Africa (Res)  
Case Western Reserve (MFM)



**Thomas J Benedetti, MD, MHA**  
Professor, MFM  
Director, Division of Education  
University of Washington (MD)  
Univ of Southern California (Res)  
Univ of Southern California (MFM)



**Zane A Brown, MD**  
Professor, MFM  
Temple University (MD)  
University of Utah (Res)  
University of Utah (MFM)



**Justine C Chang, MD**  
Assistant Professor, MFM  
Brown Medical School (MD)  
Univ of Washington (Res)  
Magee Wmns Hospital (MFM)



**Edith Y Cheng, MD, MS**  
Professor, MFM  
Assoc Div Dir, Clin Operations  
University of Washington (MD)  
University of Washington (Res)  
UW (MFM & Med Genetics)



**Shani S Delaney, MD**  
Acting Assistant Professor, MFM  
Univ Calif, San Francisco (MD)  
Univ Calif, San Francisco (Res)  
Univ of Washington (MFM)



**Thomas R Easterling, MD**  
Professor, MFM  
Univ of North Carolina (MD)  
Oregon Hlth & Science Univ (Res)  
University of Washington (MFM)



**Hilary S Gammill, MD**  
Assistant Professor, MFM  
University of Washington (MD)  
Univ of Pittsburgh (Res)  
Univ of Pittsburgh (MFM)



**Jane E Hitti, MD, MPH**  
Professor, MFM  
University of Vermont (MD)  
Med Ctr Hosp of Vermont (Res)  
Univ Wash (MFM/Infect Disease)



**Jennifer A Jolley, MD**  
Assistant Professor, MFM  
Univ of California, Irvine (MD)  
Univ of California, Irvine (Res)  
Univ of California, Irvine (MFM)



**Emmanuelle Pare, MD**  
Assistant Professor, MFM  
Univ Laval Med Sch, Quebec (MD)  
University of Montreal (Res)  
Univ of Pennsylvania (MFM)  
Univ of Pennsylvania (Clin Epi)



**Sophia MR Lannon, MD, MPH**  
Acting Assistant Professor, MFM  
Univ of North Carolina (MD)  
Univ of North Carolina (MPH Epi)  
Oregon Hlth & Sci Univ (Res)  
Univ of Washington (MFM)



**Alyssa Stephenson-Famy, MD**  
Assistant Professor, MFM  
Asst Dir, Residency Program  
Univ of Washington (MD)  
Univ of Washington (Res)  
Magee-Wmns Hosp (MFM)



# Patient Care & Clinical Services

## Division of MATERNAL-FETAL MEDICINE

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**Emily V Holing, PhD, ARNP**  
*Teaching Associate, MFM*  
*University of Washington (BS)*  
*University of Washington (MA)*  
*University of Washington (PhD)*



**Kathleen Kenny, ARNP,**  
**CNM, MA, Teaching Assoc, MFM**  
*University of Vermont (BSN)*  
*New York Univ (MA Midwif)*



**Kathy O'Connell, MN, RN**  
*Clinical Instructor, MFM*  
*Perinatal Clinical Nurse Specialist*  
*Univ of California, LA (MN)*  
*State Univ of NY College (BSN)*



**Jeroen P Vanderhoeven, MD**  
*Acting Instructor, MFM*  
*Third Year Fellow (MFM)*  
*Drexel University (MD)*  
*Oregon Hlth & Science Univ (Res)*



**Kimberly K Ma, MD**  
*Acting Instructor, MFM*  
*Second Year Fellow (MFM)*  
*Vanderbilt (MD)*  
*Oregon Hlth & Science Univ (Res)*



**LaVone E Simmons, MD**  
*Acting Instructor, MFM*  
*Second Year Fellow (MFM)*  
*Univ of Vermont (MD)*  
*Univ of Washington (Res)*



**Kara K Hoppe, DO**  
*Acting Instructor, MFM*  
*First Year Fellow (MFM)*  
*Chicago Coll Osteo Med (MD)*  
*Univ of Washington (Res)*



**Ashlie AR Tronnes, MD**  
*Acting Instructor, MFM*  
*First Year Fellow (MFM)*  
*Albany Medical School (MD)*  
*Oregon Hlth & Science Univ (Res)*

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## Maternal and Infant Care Clinic (MICC)

- Services:*
- Diabetes in Pregnancy Clinic
  - Fetal Medicine/Ultrasound
  - Obstetrical Hypertension Consult Clinic
  - Obstetrics—high-risk and routine
  - Prematurity Prevention Program and Multiple Gestation Clinic
  - Prenatal Genetics and Fetal Therapy Service
  - Perinatal Education classes
  - Breastfeeding support
  - HIV

## Patient Care & Clinical Services

### Division of WOMEN'S HEALTH CARE (UWMC)

The Women's Health Care Division provides preventive, obstetric and gynecologic care for women, including routine and high-risk obstetrics, family planning, minimally invasive surgery, and specialized gynecologic care. They are also responsible for supervising/teaching in the residents' gynecology and continuity clinics at Roosevelt Women's Health Care Clinic. They provide specialty care for a wide range of conditions—abnormal uterine bleeding, endometriosis, premalignant disease of the lower genital tract, benign gynecologic tumors, pelvic pain, and menopausal issues.

#### • **Women's Health Care Center, Roosevelt**

4245 Roosevelt Way NE, 3rd floor, Seattle, WA 98105

— General Ob/Gyn practice (*Drs. Adams Waldorf, Mendiratta, Moreni, Prager, Shope, Bar-Joseph, Zins*)

— Gyn-only practice (*Drs. Chiang, Debiec, Eschenbach, Amies Oelschlager*)

— Vulvovaginitis Clinic (*Drs. Eschenbach, Zins*)

— Dysplasia Clinic (*Dr. Chiang*)

— Adolescent Gyn Clinic (*Drs. Amies Oelschlager, Debiec*)

— Family Planning Clinic (*Drs. Prager, Micks*)

— Reproductive & Gynecologic Transitions Clinic (*Drs. Amies Oelschlager, Houmard, Debiec*)

— Minimally invasive surgery, including robotics (*Dr. Chiang*)

— Office hysteroscopy and Essure

<http://uwmedicine.washington.edu/patient-care/our-services/find-a-clinic/pages/clinic.aspx?clinicid=1355>

#### • **Maternal and Infant Care Clinic (MICC) Teen OB Clinic** (*Dr. Debiec*)

University of Washington Medical Center (3rd floor), 1959 NE Pacific Street, Seattle, WA 98195

<http://www.uwbaby.org>

#### • **OB Teaching Laborists** (*Drs. Lewis, Mendiratta*)

#### • **Seattle Children's Pediatric & Adolescent Gynecology Clinic** (*Drs. Debiec, Amies Oelschlager*)

4800 Sand Point Way NE, Seattle, WA 98105

<http://www.seattlechildrens.org/clinics-programs/adolescent-gynecology/your-care-team/>

#### • **Hall Health** (*Drs. Eckert, Micks*)

#### • **UW Neighborhood Clinics**

Factoria (*Drs. Reed, Burke*)

Ravenna (*Drs. Moreni, Bar-Joseph*)

Shoreline (*Drs. Shope, Bar-Joseph*)

<http://uwmedicine.washington.edu/Patient-Care/Locations/UW-Neighborhood-Clinics/Pages/default.aspx>

#### • **VA Women's Health Care Centers**

— **Puget Sound** (*Drs. Gardella, Callegari*), 1660 South Columbian Way, Seattle, WA 98108

— **American Lake** (*Drs. Callegari, Eschenbach, Zins*), 9600 Veteran's Dr, Tacoma, WA 98493

[http://www2.va.gov/directory/guide/region\\_fish.asp?map=0&ID=20](http://www2.va.gov/directory/guide/region_fish.asp?map=0&ID=20)

#### • **Cedar River Clinic** (*Drs. Prager, Micks*)

263 Rainier Ave South, #200, Renton, WA 98057 <http://www.cedarriverclinics.org/>

# Patient Care & Clinical Services

## Division of WOMEN'S HEALTH CARE (UWMC)



**David A Eschenbach, MD**  
Chair, Department of Ob/Gyn  
Professor, Women's Health  
University of Washington (MD)  
University of Washington (Res)  
Univ of Wash (Infectious Disease)



**Seine Chiang, MD**  
Professor, Women's Health  
Div Director, UWMC Wmn's Hlth  
Residency Program Director  
Oregon Hlth & Science Univ (MD)  
University of Texas (Res)



**Kristina Adams Waldorf, MD**  
Assoc Professor, Women's Health  
Mayo Medical School (MD)  
University of Washington (Res)



**Anne-Marie Amies Oelschlager, MD**  
Assoc Professor, Women's Health  
Vanderbilt University (MD)  
University of Washington (Res)



**Karen L Bar-Joseph, MD**  
Clin Asst Prof, Wmn's Hlth  
University of Washington (MD)  
University of Washington (Res)



**Katherine E Debiec, MD**  
Asst Professor, Women's Health  
University of Washington (MD)  
University of Washington (Res)



**Carolyn Gardella, MD, MPH**  
Assoc Professor, Women's Hlth  
Gyn Chief, VA Puget Sound  
State Univ NY, Stony Brook (MD)  
University of Washington (Res)  
Univ of Washington (MPH, Epi)



**Merry (Ali) Lewis, MD**  
Acting Instructor, Wmn's Hlth  
University of Washington (MD)  
University of Washington (Res)



**Vicki Mendiratta, MD**  
Assoc Professor, Women's Hlth  
Ob/Gyn Clerkship Director  
Ohio State University (MD)  
Ohio State University (Res)



**Elizabeth Micks, MD**  
Acting Asst Prof, Women's Hlth  
Jefferson Medical College (MD)  
Univ of CA, Davis (Res)  
Oregon Hlth & Sci Univ (Fam Plan)



**Sue Lee Moreni, MD**  
Clinical Asst Prof, Wmn's Hlth  
Columbia University (MD)  
University of Washington (Res)



**Sarah W Prager, MD, MAS**  
Assoc Prof, Women's Health  
University of Texas (MD)  
University of Vermont (Res)  
Univ of Calif, SF (Fam Plan)



**Anna R Shope, MD**  
Clin Asst Prof, Wmn's Hlth  
University of Washington (MD)  
University of Washington (Res)



**Andrea M Zins, MD**  
Acting Asst Prof, Wmn's Hlth  
University of Minnesota (MD)  
University of Washington (Res)

# Patient Care & Clinical Services

## Division of WOMEN'S HEALTH CARE (HMC)

**Harborview Women's Clinic** offers a wide range of obstetric, gynecologic and primary care services, with active inpatient and outpatient gynecologic surgical services. Harborview is the site of the Northwest Regional Trauma and Burn Centers, the Center for Sexual Assault and Traumatic Stress, and is also the county hospital for King County, serving all women, regardless of socioeconomic status.



**Susan D Reed, MD, MPH**  
*Professor, Women's Health  
Div Director, HMC Wmn's Hlth  
Stanford University (MD)  
Univ of California, SF (Res)  
Univ of Washington ( MPH, Epi)*



**Alison K Burke, MD**  
*Clinical Asst Prof, Wmn's Hlth  
University of Washington (MD)  
UC, San Diego (Res, Repro Med)*



**Lisa S Callegari, MD**  
*Clinical Asst Prof, Wmn's Hlth  
Harvard Medical School (MD)  
Univ of CA, San Francisco (Res)*



**Linda O Eckert, MD**  
*Assoc Prof, Women's Health  
Gyn Director, Harborview  
Sexual Assault Center  
Univ of Calif, San Diego (MD)  
University of Texas (Res)  
Univ of Washington (Infect Dis)*



**Constance Mao, MD**  
*Assoc Prof, Women's Health  
Dir, HMC Wmn's Colposcopy Clinic  
Univ of Southern Calif, LA (MD)  
University of Washington (Res)*



**Jennie Mao, MD**  
*Clinical Asst Prof, Wmn's Hlth  
University of Michigan (MD)  
Univ of New Mexico (Res)*



**Caroline M Mitchell, MD, MPH**  
*Asst Prof, Women's Health  
Harvard Medical School (MD)  
University of Washington (Res)  
Univ of Wash (MPH, Epi)*



**Kirkwood K Shy, MD, MPH**  
*Professor, Women's Health  
Wayne State University (MD)  
University of Washington (Res)  
Univ of Wash (MPH, Hlth Svcs)*



**Jennifer A Unger, MD, MPH**  
*Acting Asst Prof, Wmn's Hlth  
Univ of Connecticut (MPH,  
Health Law & Medical Ethics)  
Univ of Connecticut (MD)  
Columbia and UW (Res)*



**Dilys M Walker, MD**  
*Assoc Prof, Women's Hlth  
Univ of Calif, San Diego (MD)  
University of Pennsylvania (Res)  
Buffet Fam Foundation (Fam Plan)*

- Services:*
- Dysplasia (Colposcopy Clinic)
  - General Gynecology
    - Abnormal bleeding
    - Fibroids
    - Endometriosis
    - Ovarian cysts
    - Sexually transmitted diseases (STDs)
    - Pelvic relaxation
  - General Obstetrics
  - Menopause
  - Refugee and Immigrant
    - Post-traumatic stress
    - Genital circumcision
  - Vaginitis and Vulvovaginal Disorders Clinic (V2 Clinic)

## Patient Care & Clinical Services

### Division of UROGYNECOLOGY



**Gretchen M Lentz, MD**  
Professor and Director,  
Urogynecology  
University of Washington (MD)  
University of Washington (Res)  
St George's Hosp, London (Urogyn)



**Michael F Fialkow, MD, MPH**  
Asst Prof, Urogynecology, Educ  
Dir, Resident Surg Skills Curriculum  
University of Washington (MD)  
University of Washington (Res)  
University of Washington (Urogyn)  
Univ of Washington (MPH, Epi)

### Urogynecology Clinic, UWMC Surgery Pavilion

Physicians at the University of Washington and throughout the Pacific Northwest refer patients to the two urogynecologists in this division for management of pelvic organ prolapse and urinary and fecal incontinence, as well as other complicated conditions of the female pelvic floor. Our urogynecologists also work collaboratively with Female Urology, which includes one urologist and a nurse practitioner specializing in female urology. This is the most experienced Urogynecology & Female Urology practice in the WWAMI region. The entire group evaluates >500 new patients, and performs 200 urodynamic studies and 30 surgeries per year.

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- Services:*
- Pelvic organ prolapse
  - Pelvic floor reconstructive surgery for prolapse
  - Urinary incontinence
  - Fecal incontinence
  - Fistulas
  - Robotic surgery



# **RESEARCH**

## Research

### CAREER DEVELOPMENT

#### ***Women's Reproductive Health Research Career Development Award***

*David A Eschenbach, MD, Principal Investigator; Susan D Reed, MD, MPH, Program Director*

*Funding Source:* National Institutes of Health (NIH)

*End Date:* 8-31-14

### DEPRESSION

#### ***Reducing Disparities and Improving Care for Depression in Ob/Gyn Clinics***

*Susan D Reed, MD, MPH, Co-Investigator*

*Funding Source:* National Institutes of Health (NIH)

*End Date:* 5-31-14

### FAMILY PLANNING

#### ***Interferon Pathway Targeting by Depo-Provera in Women***

*Sarah W Prager, MD, MAS, Principal Investigator*

*Funding Source:* Society of Family Planning

*End Date:* 9-30-12

#### ***Miscarriage Management Training Initiative (MMTI)***

*Sarah W Prager, MD, MAS, Principal Investigator*

*Funding Source:* Abortion Access Project (AAP)

*End Date:* 6-30-13

#### ***Resident Training Initiative In Miscarriage Management (RTI-MM)***

*Sarah W Prager, MD, MAS, Principal Investigator*

*Funding Source:* Washington State DOH

*End Date:* 6-30-13

#### ***An Electronic Job Aid for Family Planning Providers in Kenya (Kenya Smart Phone)***

*Jennifer A Unger, MD, MPH, and Sarah W Prager, MD, MAS, Co-Principal Investigators*

*Funding Source:* Society of Family Planning

*End Date:* 8-31-14



## Research

### GLOBAL HEALTH

#### ***International Fetal and Newborn Growth Standards for the 21st Century***

*Michael G Gravett, MD, Co-Principal Investigator, UW*

*Funding Source:* Bill & Melinda Gates Foundation

*End Date:* October 2013

#### ***Landscape Analysis of Maternal and Perinatal Infections***

*Michael G Gravett, MD, Co-Principal Investigator*

*Funding Source:* Bill & Melinda Gates Foundation

*End Date:* October 2012

#### ***Preventing Preterm Birth: An Initiative of Family Health Grand Challenges in Global Health***

*Michael G Gravett, MD, Co-Principal Investigator, UW*

*Funding Source:* Bill & Melinda Gates Foundation

*End Date:* October 2015

#### ***Improving Maternal Health in Mesoamerica Through Task Sharing, Training, Implementation and Evaluation***

*Dilys M Walker, MD, responsible for project*

*Funding Source:* Bill & Melinda Gates Foundation

*End Date:* December 2013

#### ***Improved Care and Nutrition for Women at Risk during Pregnancy and Labor Through a Novel Community-Facility Linkage Program in Kenya***

*Dilys M Walker, MD, Principal Investigator*

*Funding Source:* Micronutrient Initiative Foundation

*End Date:* June 2016

#### ***A Matched Pair, Cluster-Randomized, Implementation Study to Measure the Effectiveness of an Intervention Package Aiming to Decrease Perinatal Mortality and Increase Institution-Based Obstetric Care Among Indigenous Populations in Guatemala***

*Dilys M Walker, MD, Co-Principal Investigator with Dr. Edgar Kestler of CIESAR, Guatemala*

*Funding Source:* Implementation Research Platform Alliance for Health Policy and Systems Research (AHPSR) intervention implementation

*End Date:* October 2014

## Research

### GYNECOLOGIC CANCERS

#### *OCRF Symptom Study*

*Barbara A Goff, MD, Principal Investigator*

*Funding Source:* Gynecologic Cancer Foundation

*End Date:* 12-31-12

#### *Protocol EC-FV-06: A Randomized, Double-Blind, Phase 3 Trial Comparing EC145 and Pegylated Liposomal Doxorubicin (Pld/Doxil) (Caelyx) in Combination vs. in Subjects with Platinum-Resistant Ovarian Cancer*

*Barbara A Goff, MD, Principal Investigator*

*Funding Source:* Endocyte, Inc.

*End Date:* 4-30-15

#### *Randomized Phase II Study of MLN8237, an Aurora A Kinase Inhibitor Plus Weekly Paclitaxel or Weekly Paclitaxel Alone, in Patients with Recurrent Epithelial Ovarian, Fallopian Tube or Primary Peritoneal Cancer*

*Barbara A Goff, MD, Principal Investigator*

*Funding Source:* Millennium

*End Date:* April 2015

#### *Defining a Premalignant Phenotype in Fallopian Tube Epithelium (R01)*

*Elizabeth M Swisher, MD*

*Funding Source:* National Institutes of Health (NIH)

*End Date:* 2-28-14

#### *The Fanconi Anemia-BRCA Pathway and Chemosensitivity of Human Cancer*

*Elizabeth M Swisher, MD, Principal Investigator*

*Funding Source:* Fred Hutchinson Cancer Research Center (FHCRC)

*End Date:* 5-31-12

#### *Acquisition of Human Gynecologic Specimens and Serum to be Used in Studying the Causes, Diagnosis, Prevention and Treatment of Cancer*

*1) Gynecologic Oncology Tissue Bank*

*2) Serial Samples after Diagnosis of Ovarian Cancer*

*Elizabeth M Swisher, MD, Principal Investigator*

*Funding Source:* National Institutes of Health (NIH)

*End Date:* 3-31-14

## Research

### **GYNECOLOGIC CANCERS** *(continued)*

#### ***Clinical Implications of the Acquisition of BRCA1/2 Function in BRCA1/2 Deficient Ovarian Carcinoma***

*Elizabeth M Swisher, MD, Principal Investigator*

*Funding Source:* Fred Hutchinson Cancer Research Center (FHCRC)/NIH Flow Through

*End Date:* 6-30-14

#### ***BRCA1/2 Restoration as a Predictor of Response in a GOG Clinical Trial for Recurrent Ovarian Carcinoma***

*Elizabeth M Swisher, MD, Principal Investigator*

*Funding Source:* Mary Kay Ash Charitable Foundation

*End Date:* 6-30-12

#### ***Behavioral and Neural Indices of Cognitive Rehabilitation in Ovarian Cancer***

*Heidi J Gray, MD, Principal Investigator*

*Funding Source:* Marsha Rivkin Center for Ovarian Cancer Research

*End Date:* 3-31-13

#### ***A Phase I Study: ABT-888 in Combination with Carboplatin and Gemcitabine in Subjects with Advanced Solid Tumors***

*Heidi J Gray, MD, Principal Investigator*

*Funding Source:* Abbott Pharmaceuticals

*End Date:* 11-15-12

### **GYNECOLOGIC CANCERS** *(continued)*

#### ***Development of a Polyepitope DNA Vaccine for Ovarian Cancer Immunotherapy***

*John B Liao, MD, PhD, Principal Investigator*

*Funding Source:* Marsha Rivkin Center for Ovarian Cancer Research

*End Date:* 3-31-13

#### ***EP-100, a Novel LHRH Receptor-Targeted, Membrane-Disrupting Peptide, Plus Paclitaxel vs. Paclitaxel Alone for Refractory or Recurrent Ovarian Cancer: a Phase II, Randomized, Multicenter Trial*** *Renata R Urban, MD, Principal Investigator*

*Funding Source:* Esperance Pharmaceuticals, Inc.

*End Date:* 3-31-17

## Research

### **HIV/AIDS**

#### ***Effect of Lactobacillus on Genital HIV-1 RNA and DNA Shedding in Women***

*Jane E Hitti, MD, MPH, Principal Investigator*

*Funding Source:* National Institutes of Health (NIH)

*End Date:* 8-31-12

#### ***UW IMPAACT Clinical Trial Unit***

*Jane E Hitti, MD, MPH, Principal Investigator*

*Funding Source:* Seattle Children's Hospital/Research

*End Date:* 1-31-13

#### ***The Role of Exosomes in Semen for HIV Infection of the Genital Mucosa in Women***

*Florian Hladik, MD, PhD, Principal Investigator*

*Funding Source:* NIH / NIAID

*End Date:* 2-28-13

#### ***Standardization and Comparative Assessment of Mucosal Sampling Techniques for Evaluating Vaccine-Induced Immune Responses (HVTN Mucosal Immunology Group-Funded Project)***

*Florian Hladik, MD, PhD, Principal Investigator*

*Funding Source:* HVTN / NIH / NIAID

*End Date:* September 2012

#### ***Rational Design of an Optimal Cryopreservation Protocol Human Cervicovaginal Cells and Tissues (HVTN Mucosal Immunology Group-Funded Project)***

*Florian Hladik, MD, PhD, Principal Investigator*

*Funding Source:* HVTN / NIH / NIAID

*End Date:* September 2013

#### ***Mucosal Anti-HIV Antibodies in Exposed Uninfected Women Participating in Microbicide Trials***

*Florian Hladik, MD, PhD, Principal Investigator*

*Funding Source:* Bill & Melinda Gates Foundation

*End Date:* 9-30-12

## Research

### **HIV/AIDS** *(continued)*

#### ***Immunological and Virological Events in Early HIV Infection (Project 3)***

*Florian Hladik, MD, PhD, Collaborator*

*Funding Source:* NIH / NIAID

*End Date:* September 2015

#### ***International Infrastructure Award***

*Jennifer A Unger, MD, MPH, Principal Investigator*

*Funding Source:* University of Washington Center for AIDS Research (CFAR)

*End Date:* 5-31-13

#### ***Determinants of Contraceptive Desire and Method Among Postpartum Adolescents at High Risk of HIV and Repeat Pregnancy***

*Jennifer A Unger, MD, MPH, and Alison Drake, PhD (Global Health), Co-Principal Investigators*

*Funding Source:* University of Washington Center for AIDS Research (CFAR)

*End Date:* 7-1-13

### **HUMAN PAPILLOMAVIRUS**

#### ***Cytology vs. At Home HPV Screening for Detection of CIN 2,3, CIS***

*Constance Mao, MD, Co-Investigator (Dr. Nancy Kiviat, Dr. Shalini Kulasingam, PIs)*

*Funding Source:* National Institutes of Health (NIH)

*End Date:* October 2015

#### ***Development of an HPV E6-Based Rapid Strip Test Commercial Prototype for Cervical Cancer***

*Constance Mao, MD, Principal Investigator*

*Funding Source:* National Institutes of Health (NIH)

*End Date:* 8-31-13

#### ***Population-Based Research Optimizing Screening through Personalized Regimens (PROSPR)***

*Constance Mao, MD, Co-Investigator (Dr. Zi-Ding Feng, Dr. Barlow, PIs)*

*Funding Source:* National Institutes of Health (NIH)

*End Date:* 9-30-16

## Research

### **INFANT DEVELOPMENT AND ENVIRONMENT**

#### ***The Infant Development and Environment Study (TIDES)***

*Michael G Gravett, MD, Principal Investigator*

*Funding Source:* National Institutes of Health and Seattle Children's Hospital Research Institute

*End Date:* 6-30-14

### **MENOPAUSE**

#### ***Oral Contraceptive Use and Fractures around the Menopausal Transition***

*Susan D Reed, MD, MPH, Consultant*

*Funding Source:* National Institute on Aging (NIA)

*End Date:* 5-31-13

#### ***Ms-FLASH: Menopausal Symptoms—Finding Lasting Answers for Symptoms and Health (U01)***

#### ***Ms-FLASH: An RCT of Yoga and Ultra Low-Dose Estrogen Gel for Vasomotor Symptoms (R01)***

*Susan D Reed, MD, MPH; Katherine M Newton PhD, MA; Principal Investigators*

*Funding Source:* National Institute on Aging (NIA), National Center for Complementary and Alternative Medicine (NCCAM), OWHR

*End Date:* 8-31-13

## Research

### **MICROBICIDE DEVELOPMENT**

#### ***Improved Macaque Safety Model for Topical Microbicides: Post-Coital Assessments***

*Dorothy L Patton, PhD, Principal Investigator*

*Funding Source:* National Institute of Allergy and Infectious Diseases (NIAID)

*End Date:* 8-31-12

#### ***R33 Aminoglycoside Microbicides to Restore Natural Expression of Anti-HIV-1 Retrocyclins***

*Dorothy L Patton, PhD, Project Leader*

*Funding Source:* National Institutes of Health (NIH/NIAID)

*End Date:* 9-30-14

#### ***Topical Microbicide Safety and Efficacy Evaluation in Macaques***

*Dorothy L Patton, PhD, Principal Investigator*

*Funding Source:* National Institute of Allergy and Infectious Diseases (NIAID)

*End Date:* 5-30-14

#### ***Project 2—Nonhuman Primate Studies of Tenofovir and Dapivirine***

*Dorothy L Patton, PhD, Principal Investigator*

*Funding Source:* National Institutes of Health (NIH/NIAID)

*End Date:* 5-31-15

#### ***Microbicide Trials Network Immunology Core***

*Florian Hladik, MD, PhD, Collaborator*

*Funding Source:* NIH/NIAID

*End Date:* 9-30-13

#### ***Nanoparticle Microbicides for Delivery of Combination Antiretroviral Drugs (R21/R33)***

*Florian Hladik, MD, PhD, Co-Principal Investigator*

*Funding Source:* NIH/NIAID

*End Date:* June 2016

## Research

### MUCOSAL IMMUNOLOGY

***The Female Genital Innate Immune Response to Vaginal Microbiota (K08)***

*Caroline M Mitchell, MD, MPH, Principal Investigator*

*Funding Source:* National Institutes of Health (NIH)

*End Date:* 3-31-15

***Immune Response of the Upper Genital Tract Mucosa to Bacterial Colonization***

*Caroline M Mitchell, MD, MPH, Principal Investigator*

*Funding Source:* Royalty Research Fund (RRF)

*End Date:* 1-14-13

***Development of New Tools to Examine Host-Microbe Interactions in the Reproductive Tract***

*Caroline M Mitchell, MD, MPH, Principal Investigator*

*Funding Source:* Doris Duke Charitable Foundation

*End Date:* 6-30-15

### NEUROENDOCRINE

***Kisspeptin/Kiss1r in the Female Neuroendocrine Axis***

*Robert A Steiner, PhD, Principal Investigator*

*Funding Source:* National Institute of Child Health and Human Development (NICHD)

*End Date:* 8-31-16

### OBSTETRIC QUALITY OUTCOMES

***N16624 Perinatal Regional Network: Developing and Monitoring Quality Obstetric Outcomes***

*Thomas J Benedetti, MD, MHA, Principal Investigator*

*Funding Source:* Department of Social and Health Services (DSHS)

*End Date:* 6-30-14



## Research

### PHARMACOKINETICS

***Modeling Intracellular and Extracellular Raltegravir (RAL) pharmacokinetics in the Female Genital Tract and Blood after a Twice Daily 400 mg Dose over the Course of a Menstrual Cycle***  
Caroline M Mitchell, MD, MPH, Principal Investigator

*Funding Source:* Merck Company Foundation  
*End Date:* 6-30-13

### PHARMACOLOGY

***UW Obstetric-Fetal Pharmacology Research Unit***  
Thomas R Easterling, MD, and Mary F Hebert, PharmD, Co-Principal Investigators

*Funding Source:* National Institutes of Health (NIH)  
*End Date:* 12-31-14

### PREECLAMPSIA

***The Maternal Anti-Fetal Immune Response and the Role of Microchimerism in Preeclampsia (K08)***  
Hilary S Gammill, MD, Principal Investigator

*Funding Source:* National Institutes of Health (NIH)  
*End Date:* 3-31-17

### PRETERM BIRTH

***Global Alliance for the Prevention of Prematurity and Stillbirth***  
David A Eschenbach, MD, Principal Investigator

*Funding Source:* Bill & Melinda Gates Foundation  
*End Date:* 12-31-12

***Non-Human Primate Model of Stretch-Induced Preterm Labor***  
Kristina M Adams Waldorf, MD, Principal Investigator

*Funding Source:* March of Dimes Birth Defects Foundation  
*End Date:* 2-28-13

**PRETERM BIRTH** *(continued)*

***GBS-Mediated In Utero Fetal Injury***

*Kristina M Adams Waldorf, MD, Co-Principal Investigator*

*Funding Source:* National Institutes of Health (NIH)

*End Date:* 6-30-17

***Risk Reduction Education in Patients with Prior Preterm Birth***

*Thomas J Benedetti, MD, MHA, Principal Investigator*

*Funding Source:* March of Dimes, Washington Chapter

*End Date:* 12-31-12

**VACCINE DEVELOPMENT**

***HIV Vaccine Trials Network (HVTN) Laboratory Program***

*Florian Hladik, MD, PhD, Collaborator*

*Funding Source:* NIH/NIAID

*End Date:* September 2013

***A Randomized, International, Double-Blind, Controlled with GARDASIL TM, Dose-Ranging, Tolerability, Immunogenicity, and Efficacy Study of a Second Generation Human Papillomavirus L1 Virus-Like Particle Vaccine Administered to 16–26 Year Old Women***

*Constance Mao, MD, Principal Investigator*

*Funding Source:* Private

*End Date:* 10-31-12

***Safety and Efficacy of Chlamydia Vaccine Candidates***

*Dorothy L Patton, PhD, Principal Investigator*

*Funding Source:* Pfizer

*End Date:* 12-31-12



