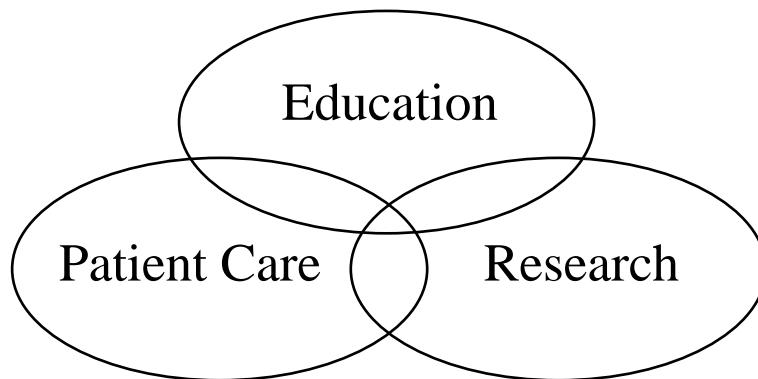


University of Washington
Department of Obstetrics and Gynecology

2011–2012 Resident Applicant Information



Administration



Established in 1948, the Department of Obstetrics and Gynecology has a faculty of 48 physicians, four PhD basic scientists, eight fellows, four nurse practitioners and five certified nurse-midwives, with 25 residents in training.

David A Eschenbach, MD, has served as the department Chair since June 2002. Of the 17 faculty members, for whom subspecialty certification is available, 15 are board certified in their subspecialty and two are active candidates. All our faculty are board certified in Ob/Gyn except seven junior faculty who are active candidates.

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

<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 & 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



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



Kirkwood K Shy, MD, MPH
Professor, Women's Health
Gynecology 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
- Linda Mihalov, 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 include a nationally renowned surgical skills curriculum and simulation. 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:
 - 54 clinical faculty at UWMC and Harborview Medical Center (HMC)
 - 4 fellows in Gynecologic Oncology plus 4 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**. No application will be accepted after **October 3, 2011**, although interview slots may be filled prior to this date.

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

- MyERAS® 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, 2011

<i>Level</i>	<i>Annual Salary</i>	<i>Monthly Rate</i>
R1	\$49,500	\$4,125
R2	\$51,384	\$4,282
R3	\$53,520	\$4,460
R4	\$55,812	\$4,651

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** **2011–2012**

R4



Karen L Bar-Joseph, MD
University of Washington



Sara A Durkee, MD
University of Washington



Corey M Eymard, MD
University of Virginia



Kara K Hoppe, DO
Chicago College of
Osteopathic Medicine



Haider S Mahdi, MD
Kufa College of Medicine
Republic of Iraq



Andrea M Zins, MD
University of Minnesota

R3



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

R2



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

R1



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 Torvie, MD
Univ of Washington

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 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) 2010–11

<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	15	9	4	25	41	23	5	34	62
R2	30	11	12	35	61	37	20	128	85
R3	51	26	26	91	83	51	59	170	137
R4	101	39	60	136	116	59	63	166	228
<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) 2010–11

<i>By End of Year</i>	<i>Vaginal Delivery</i>	<i>Operative Delivery</i>	<i>Cesarean Delivery</i>
R1	169	9	30
R2	162	10	138
R3	238	19	204
R4	258	32	229
<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 2011–2012

R1	Swedish Gyn	UW OB	UW Gyn Onc		UW Night Float	HMC Gyn	R1 Ambulatory	
R2	UW OB Antepartum and clinics	REI	R2 Amb	R2 Yakima	UW OB Night Float	UW OB L&D & Postpartum	UW Gyn Onc	
R3	HMC Gyn	Swedish OB	UW OB Antepartum and clinics		VA/VM Gyn	HMC Ambulatory	Yakima Ob/Gyn	Elective
R4	Swedish Gyn	UW Urogynecology	UW Gyn Onc		UW OB	UW 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 Postpartum = Labor & Delivery day coverage
 OB Night Float = Labor & Delivery night float
 UW Amb = Women's Health

Total Time Spent by Level of Training in Each Major Clinical Area, 2011–12

Level	Rotations	Time Spent
R1	Obstetrics	14 wks
	Gynecology	21 wks
	Gynecologic Oncology	7 wks
	Ambulatory Women's Health	7 wks
R2	Obstetrics	24 wks
	Ambulatory Women's Health	4 wks
	Gynecologic Oncology	8 wks
	Reproductive Endocrinology and Infertility	8 wks
	Rural Obstetrics and Gynecology (<i>Yakima</i>)	4 wks
R3	Obstetrics	16 wks
	Gynecology	16 wks
	Ambulatory Women's Health	8 wks
	Elective—Research or International Health	4 wks
	Rural Obstetrics and Gynecology (<i>Yakima</i>)	4 wks
R4	Obstetrics	16 wks
	Gynecology	16 wks
	Gynecologic Oncology	8 wks
	Urogynecology	8 wks
Total Clin Exper for All 4 Yrs	Obstetrics	70 wks
	Gynecology	53 wks
	Gynecologic Oncology	23 wks
	Urogynecology	8 wks
	Reproductive Endocrinology and Infertility	10 wks
	Ambulatory Women's Health (primary care + specialty)	19 wks
	Elective—Research or International Health	4 wks
	Rural Obstetrics and Gynecology	8 wks

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 3rd 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.

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*)

Education and Training

GLOBAL HEALTH ELECTIVE SITES

Chiapas, Mexico

San Cristobal de las Casas Maternity Hospital is located in the central Mexican highlands, approximately 1 hour from the state capitol of Tuxtla Gutierrez. Much of San Cristobal's rich culture is associated with a large indigenous population, mostly Tzotzils and Tzeltals, and many consider it the cultural capitol of the state.

The Maternity hospital receives patients from 83 surrounding rural communities. In 2009 there were 4,365 births, 21 cases of eclampsia, 114 cases of obstetric hemorrhage and 3 maternal deaths at this hospital. There is a complete staff of obstetricians, anesthesiologists, and pediatricians to attend most emergency care. There is also a team of obstetric residents. The hospital has been involved in the PRONTO emergency obstetric and neonatal training projects led by Dr. Dilys Walker and her collaborators at the National Institute of Health in 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.

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.

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
- Leslie Carranza, MD, MHS Mexico
- 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



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 R3 and R4 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 R4s present their research to the department and Ob/Gyn community. 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>
Class of 2012		
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
Class of 2011		
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
Class of 2010		
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
Class of 2009		
Debiec	Nicaragua	Providing healthcare for women in rural Nicaragua
DeSano	Nepal	Medical care to underserved people in remote regions of Himalayas
Lee	Nicaragua	Primary Ob/Gyn care for women in rural Nicaragua
Lorentz	Nicaragua	Primary Ob/Gyn care for women in rural Nicaragua
Chang	Seattle	Operative and clinical experience; transition to UW residency
Sementi	Seattle	Operative and clinical experience; research

Education and Training

RESIDENCY PROGRAM

2011-12 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>
September 1 annually	ABOG Application	Chief Residents: Time to apply for ABOG exam, scheduled for last Monday in June. (www.abog.org)
Sept 7, 2011	Annual Resident Retreat	Each division is responsible for its own attending coverage until 5:00 pm. Location—Waterfront Activities Center after Grand Rounds
November 15 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 20, 2012	CREOG In-Service Exams	All residents. All day.
Feb 1, 2012	Legislative Day	Residents as scheduled; not all will attend. Details TBA. 8:00 am – 2:30 pm
Feb 15, 2012	Ski Day	8:00 am to 5:00 pm, Snoqualmie Pass
May 2, 2012	Resident Research Day	7:30 am to 1:00 PM, South Campus Center
June 2012	Resident Roast	Date and time TBA
June 13, 2012	NRP Training	
June 16, 2012	Senior Resident & Fellow Graduation Banquet.	Venue TBA
June 25, 2012	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

Grand Rounds —Wednesday mornings, 8:00 am to 9:00 am, September through May	As listed on Grand Rounds Schedule online at http://www.obgyn.uwmedicine.org (click on <i>Department Calendar & News</i>)
Resident Didactics/Lectures/Conferences (<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
Faculty Research Hour	10:00 am 1st Wed of the month, September thru May
Journal Club —Wednesday evenings at 7:00 pm	6 times/year at faculty homes
Resident Evaluation Committee	November and May annually, 9:00 am to noon
Faculty Meetings	Monthly—4th Wednesday of the month at 7:00 am
Faculty Development Workshop	Annually in June
Resident Applicant Interviews	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 (porcine) can improve the surgical skills of untrained Ob/Gyn residents before they enter the operating room. Further studies here and around the country continue to demonstrate that repetitive simulated practice of technical and inter-professional skills improves performance. Because curricula are designed to capture data on performance and to immediately provide feedback, residents train in a safe environment to reduce or eliminate errors. Residents are trained and assessed annually 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

The Surgical Education and Research Program (SERP) is run in three environments:

- 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-hour 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.

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).

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—First Half

- September 14: **The Evolution of Human Birth**
Roger Smith, MD, Professor and Director, Mothers and Babies Research Centre, School of Medicine, University of Newcastle, Australia
- September 21: **Fetal Therapy: The Unborn Patient**
Jennifer A Jolley, MD, Assistant Professor, Maternal-Fetal Medicine Department of Obstetrics and Gynecology, University of Washington
- September 28: **Diagnosis and Treatment of Severe Maternal Infection**
David A Eschenbach, MD, Professor, Women's Health Chair, Department of Obstetrics and Gynecology, University of Washington
- October 5: **Müllerian Anomalies: Understanding the Embryology, Recognizing Patterns of Presentation, and Developing Management Strategies**
Anne-Marie Amies Oelschlager, MD, Director, Associate Professor and Clinician Educator, Pediatric/Adolescent Gynecology; Department of Obstetrics and Gynecology, University of Washington and Seattle Children's Hospital
- October 12: **Fit for Practice: Why Physician Wellness Matters**
Claudia A Finkelstein, MDCM, Clinical Associate Professor of Medicine, Attending Physician, HMC Adult Medicine Clinic, Division of General Internal Medicine
- October 19: No Grand Rounds
- October 26: **Opioids, HB 2876 and Pain Management**
Alex Cahana, MD, DAAPM, FIPP, Chief, Division of Pain Medicine; Professor, Anesthesiology & Pain Medicine; Adjunct Professor, Medical History & Ethics; University of Washington
- November 2: **HIV and Fertility**
Brenda S Houmard, MD, PhD, Assistant Professor and Clinician Educator, Reproductive Endocrinology and Infertility, Department of Obstetrics and Gynecology, University of Washington
- November 9: **Managing Labor at the Cusp of Viability**
Sophia M R Lannon, MD, MPH, Acting Assistant Professor, Maternal-Fetal Medicine, Department of Obstetrics and Gynecology, University of Washington
- November 16: **The Global Perspective of Preterm Birth: Is Prevention Possible?**
Michael G Gravett, MD, Professor, Maternal-Fetal Medicine and Vice Chair, Department of Obstetrics and Gynecology, University of Washington
- November 23: No Grand Rounds—Holiday Week
- November 30: **Resident Sleep Deprivation: Obligatory or Outdated?**
Andrea M Zins, MD, R4 Resident Physician, Dept of Obstetrics & Gynecology, Univ of Washington
- December 7: **Menorrhagia: Update on Minimally Invasive Management**
Sara A Durkee, MD, R4 Resident Physician, Dept of Obstetrics & Gynecology, Univ of Washington
- December 14: **Management of Early Stage Malignant Germ Cell Tumors of the Ovary**
Haider S Mahdi, MD, R4 Resident Physician, Dept of Obstetrics & Gynecology, Univ of Washington

Education and Training

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

RESIDENT & FELLOW RESEARCH DAY

2010 Senior Resident Research Presentations

- Leslie Carranza, MD:* Training of Ob/Gyn Residents in the Disclosure of Adverse Events and Medical Errors: A Randomized Study of Traditional Didactic Teaching vs. Training with Standardized Patients
- Merry (Ali) Lewis, MD:* Postpartum IUD Use: Factors Associated with Not Receiving a Planned Postpartum IUD
- Katherine A McLean, MD:* Ovarian Cancer in the Elderly: Outcomes with Neoadjuvant Chemotherapy or Primary Cytoreduction
- Leslie C McLemore, MD:* Long-Term Effect of Depomedroxyprogesterone on Vaginal Flora, Epithelium and Immune Cells
- Elizabeth E Tenpenny, MD:* Fetal Lung Maturity Testing: Predictor of Overall Neonatal Outcomes?
- Chad B Thomas, MD, PhD:* Pregnancy Rates from Lead Follicles

2010 Fellow Research Presentations

- Suzanne E Peterson, MD:* Prospective Assessment of Feto-Maternal Cell Trafficking in Abortion
- Kerry M McMahon, MD:* Abnormal Placentation and the Role of Soluble fms-Like Tyrosine Kinase 1 (sFlt-1)
- Chirag A Shah, MD, MPH:* Results of a Prospective Screening Trial in Women at Increased Risk of Ovarian Cancer Utilizing the Parametric Empiric Bayes (PEB) Algorithm

Education and Training

RESIDENCY PROGRAM

What Our Graduates Are Doing

<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-Women's 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-Women's Hospital)
<i>2007 Graduates</i>		
Aryal, Prashanti	University of Illinois	Private Practice (Seattle, WA)
Walker, Kym	Rochester	Private Practice (Olympia, WA)
Piggott, Dionne	North Carolina	Private Practice (North Carolina)
Fox, Katrina	VA Commonwealth Univ	UW Academic Med then private practice (NC)
Unger, Jennifer	University of Connecticut	Academic Medicine/WRHR Scholar (UW)
Kurachi, Akiko	University of Michigan	Private Practice (Seattle, WA)

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	Barbara M Norquist, MD	University of Washington (<i>Residency</i>) University of Washington (<i>MD</i>)
F3	Melissa M Thrall, MD	University Health Center of Pittsburgh/ Magee-Womens Hospital (<i>Residency</i>) Albany Medical College (<i>MD</i>)
F2	Katherine A McLean, MD	University of Washington (<i>Residency</i>) University of Chicago/Pritzker (<i>MD</i>)
F1	Kathryn P Pennington, MD	University of Michigan (<i>Residency</i>) University of Michigan (<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	Shani S Delaney, MD	University of California, San Francisco (<i>Residency</i>) University of California, San Francisco (<i>MD</i>)
F2	Jeroen P Vanderhoeven, MD	Oregon Health & Science University (<i>Residency</i>) Drexel University College of Medicine (<i>MD</i>)
F1	Kimberly K Ma, MD	Oregon Health & Science University (<i>Residency</i>) Vanderbilt University (<i>MD</i>)
F1	LaVone E Simmons, MD	University of Washington (<i>Residency</i>) University of Vermont (<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. During this period, scholars devote ~80% of their time to research. The research scope is 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:

- **Hilary S Gammill, MD**, Maternal-Fetal Medicine (*January 2007–December 2011*)
— Immunologic Maladaptation and Microchimerism in Preeclampsia
- **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

Scholars Who Have Already Completed WRHR Training:

- **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*)
— The 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 seven gynecologic oncologists in this division (five of whom are sub-specialty certified) constitute the largest single group of gynecologic oncologists in the Pacific Northwest. Dr. Hipps joined the division in 2008 to provide 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, Children's Hospital & Regional Medical Center, and the Fred Hutchinson Cancer Research Center. Over 498 major surgical cases and 205 minor surgeries were performed, plus 1528 cycles of chemotherapy administered. The service continues to grow.



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)



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)



Elizabeth Anderson, ARNP, MSN
Teaching Associate
Seattle University (BSN)
Seattle University (MSN)
xxxxx (ARNP)



Barbara M Norquist, MD
Fourth Year Fellow (Gyn Onc)
University of Washington (MD)
University of Washington (Res)



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



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



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

Patient Care & Clinical Services

Division of REPRODUCTIVE ENDOCRINOLOGY AND INFERTILITY

The Division of Reproductive Endocrinology and Infertility (REI) is composed of three physicians and three basic scientists with NIH grants. The physicians see patients at the University Reproductive Care (URC) clinic, which is part of the Women's Health Care Center at UWMC Roosevelt. The URC offers comprehensive care to men and women trying to conceive a child, with expertise extending to all forms of infertility diagnosis and treatment, from advanced fertility-sparing surgery to intrauterine insemination procedures and IVF. They also treat patients for reproductive and gynecologic disorders, such as menstrual irregularities and anomalies of the reproductive tract.



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



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



Kathleen Lin, MD
Asst Prof, Repro 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 (at Women's Health Care Center, Roosevelt)

4245 Roosevelt Way NE, 3rd floor

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

Services: • **Reproductive Endocrine Care**

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

• **Comprehensive Fertility Program**

- Ovulation induction
- Intrauterine inseminations
- Assisted Reproductive Technologies (ART)

• **Techniques/Procedures**

- Advanced laparoscopy/hysteroscopy
- Correction of Müllerian anomalies
- Fertility preservation surgical training
- Reproductive imaging training (ultrasound/radiologic)
- Microsurgical sperm retrieval
- Microsurgical tubal anastomosis

• **Fertility Preservation**

- Pediatric/adolescent/adult care
- Gamete/embryo/tissue cryopreservation for oncology/chronic disease states

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 eleven faculty, including eight subspecialty certified in maternal-fetal medicine out of nine who are eligible and one who is an active candidate for subspecialty certification; four maternal-fetal medicine fellows; five certified nurse midwives; 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,
Maternal-Fetal Medicine
Univ of California, LA (MD)
University of Washington (Res)
University of Washington (MFM)



Donald AG Barford, MD
Clinical Prof, Mat-Fet Med
University of London (MD)
Univ of Natal, South Africa (Res)
Case Western Reserve (MFM)



Thomas J Benedetti, MD, MHA
Prof, Maternal-Fetal Medicine
Director, Division of Education
University of Washington (MD)
Univ of Southern California (Res)
Univ of Southern California (MFM)



Zane A Brown, MD
Prof, Maternal-Fetal Medicine
Assoc Residency Prgrm Director
Temple University (MD)
University of Utah (Res)
University of Utah (MFM)



Edith Y Cheng, MD, MS
Prof, Maternal-Fetal Medicine
Assoc Div Dir, Clin Operations
University of Washington (MD)
University of Washington (Res)
UW (MFM & Med Genetics)



Thomas R Easterling, MD
Prof, Maternal-Fetal Medicine
Univ of North Carolina (MD)
Oregon Hlth & Science Univ (Res)
University of Washington (MFM)



Hilary S Gammill, MD
Asst Prof, Mat-Fet Medicine
University of Washington (MD)
Univ of Pittsburgh (Res)
Univ of Pittsburgh (MFM)



Jane E Hitti, MD, MPH
Prof, Maternal-Fetal Medicine
University of Vermont (MD)
Med Ctr Hosp of Vermont (Res)
Univ Wash (MFM/Infect Disease)



Jennifer A Jolley, MD
Asst Prof, Mat-Fet Medicine
Univ of California, Irvine (MD)
Univ of California, Irvine (Res)
Univ of California, Irvine (MFM)



Sophia MR Lannon, MD, MPH
Acting Asst Prof, 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
Asst Prof, Mat-Fet Medicine
Asst Dir, Residency Program
Univ of Washington (MD)
Univ of Washington (Res)
Magee-Wmns Hosp (MFM)



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



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



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

Patient Care & Clinical Services

Division of MATERNAL-FETAL MEDICINE



Shani S Delaney, MD
Acting Instructor, Mat-Fet Med
Third Year Fellow (MFM)
Univ Calif, San Francisco (MD)
Univ Calif, San Francisco (Res)



Jeroen P Vanderhoeven, MD
Acting Instructor, Mat-Fet Med
Second Year Fellow (MFM)
Drexel University (MD)
Oregon Hlth & Science Univ (Res)



Kimberly K Ma, MD
Acting Instructor, Mat-Fet Med
First Year Fellow (MFM)
Vanderbilt (MD)
Oregon Hlth & Science Univ (Res)



LaVone E Simmons, MD
Acting Instructor, Mat-Fet Med
First Year Fellow (MFM)
Univ of Vermont (MD)
Univ of Washington (Res)



Bonnie L Bernstein,
CNM, MSN, ARNP
Teaching Assoc/Certified Nurse
Midwife, Maternal-Fetal Med
California State University (BS)
Columbia University (MS)



Mary T Bolles,
CNM, MSN, ARNP
Teaching Assoc/Certified Nurse
Midwife, Maternal-Fetal Med
University of Washington (BS)
University of Washington (MN)



Michelle M Grandy,
CNM, MSN, ARNP
Teaching Assoc/Certified Nurse
Midwife, Maternal-Fetal Med
Seattle Pacific University (BS)
University of Washington (MS)



Robyn L Holloman,
CNM, ARNP
Teaching Assoc/Certified Nurse
Midwife, Maternal-Fetal Med
University of Washington (BS)
University of Washington (MN)



Cynthia R Rogers,
CNM, MSN
Teaching Assoc/Certified Nurse
Midwife, Maternal-Fetal Med
Eastern Washington Univ (BS)
Case Western Reserve Univ (MS)

Maternal and Infant Care Clinic (MICC)

- Services:* Specialty clinics and programs:
- Breastfeeding support
 - Diabetes in Pregnancy Clinic
 - Fetal Medicine/Ultrasound
 - Midwifery
 - 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

Patient Care & Clinical Services

Division of WOMEN'S HEALTH CARE (UWMC)

The University of Washington Medical Center (UWMC) **Women's Health Care** faculty members provide preventive, obstetric and gynecologic care for women, including routine and high-risk obstetrics, family planning services, minimally invasive surgery, and specialized gynecologic care. They are also responsible for supervising and teaching in the residents' gynecology clinics (PGY1 and PGY4) and resident continuity clinics at Roosevelt Women's Health Care Clinic. They provide specialty care for a wide range of conditions that affect women, such as abnormal uterine bleeding, endometriosis, premalignant disease of the lower genital tract, benign gynecologic tumors, pelvic pain, and menopausal issues.



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)*



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



Rebecca Dunsmoor-Su, MD, MSCE
*Asst Professor, Women's Health
Univ of Pennsylvania (MD)
Univ of Pennsylvania (MSCE)
Univ of Pennsylvania (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)*



Wendy J Lorentz, MD
*Clinical 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)*



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



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



Sarah W Prager, MD, MAS
*Asst Prof, Women's Health
University of Texas (MD)
Univ 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)*

Patient Care & Clinical Services

WOMEN'S HEALTH CARE Practice Sites

- **Women's Health Care Center, Roosevelt**

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

— General Ob/Gyn practice (*Drs. Dunsmoor-Su, Lorentz, Mendiratta, Moreni, Prager, Shope*)

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

— Vulvovaginitis Clinic (*Dr. Eschenbach*)

— Dysplasia Clinic (*Dr. Chiang*)

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

— Family Planning Clinic (*Dr. Prager*)

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

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

[http://www.uwmedicine.org/PatientCare/MedicalSpecialties/PrimaryCare/
UWMedicalCenter/WHCC/](http://www.uwmedicine.org/PatientCare/MedicalSpecialties/PrimaryCare/UWMedicalCenter/WHCC/)

- **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. Dunsmoor-Su, Lewis, Mendiratta*)

- **Seattle Children's Hospital**

Pediatric and 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/>

- **UW Neighborhood Clinics**

Factoria (*Dr. Reed*)

Ravenna (*Dr. Moreni*)

Shoreline (*Drs. Lorentz, Shope*)

[http://uwmedicine.washington.edu/Patient-Care/Locations/
UW-Neighborhood-Clinics/Pages/default.aspx](http://uwmedicine.washington.edu/Patient-Care/Locations/UW-Neighborhood-Clinics/Pages/default.aspx)

- **VA Women's Health Care Centers**

— **Puget Sound** (*Dr. Gardella*)

1660 South Columbian Way, Seattle, WA 98108-1532

— **American Lake** (*Drs. Carranza, Eschenbach*)

9600 Veteran's Drive, Tacoma, WA 98493

<http://www1.va.gov/pugetsound/page.dfm?pg=242>

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)



Leslie Carranza, MD
Acting Asst Prof, Wmn's Hlth
University of Minnesota (MD)
University of Washington (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
Acting 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
 - 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

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 the diagnosis and treatment of complicated uterovaginal prolapse, pelvic relaxation, urinary and fecal incontinence, and fistulas. Our two urogynecologists also work closely with the Female Pelvic Medicine and Reconstructive Surgery (FEPMARS) group, which includes one urologist and a nurse practitioner specializing in female urology. The entire group evaluates >500 new patients, and performs 200 urodynamic studies and 300 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

Research Training Centers for Physicians in Women's Health (K12)

David A Eschenbach, MD, Principal Investigator

Funding Source: National Institutes of Health (NIH)

End Date: 8-31-14

DISCLOSURE OF ADVERSE EVENTS

Disclosure of Simulated Adverse Events in Obstetrics

Thomas J Benedetti, MD, MHA, Principal Investigator

Funding Source: Washington State Obstetrical Association (WSOA)

End Date: 12-31-11

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

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: Marsha Rivkin Center for Ovarian Cancer Research

End Date: 4-30-15

Research

GYNECOLOGIC CANCERS *(continued)*

***Clinical Implication of the Acquisition of BRCA1/2 Function in BRCA1/2-Deficient
A Population-Based Evaluation of the Use and Outcomes of Neoadjuvant Chemotherapy
in Ovarian Cancer Patients with Advanced Ovarian Cancer***

Barbara A Goff, MD, Principal Investigator

Funding Source: Marsha Rivkin Center for Ovarian Cancer Research

End Date: 3-31-12

***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

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

Falloscopy: A Novel Approach to Ovarian Cancer Detection and Prevention

Elizabeth M Swisher, MD, Principal Investigator

Funding Source: Marsha Rivkin Center for Ovarian Cancer Research

End Date: 12-31-11

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

Research

GYNECOLOGIC CANCERS *(continued)*

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

End Date: 3-31-14

Identification of an Immunologic Signature of Ovarian Cancer for Use as an Early Cancer Screen
Heidi J Gray, MD, Principal Investigator

Funding Source: Ovarian Cancer Research Fund (OCRF)

End Date: 12-31-11

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: 3-31-12

Development of an E6-Based Rapid Strip Test Commercial Prototype for Cervical Cancer
Constance Mao, MD, Principal Investigator

Funding Source: Arbor Vita Corporation

End Date: 8-31-12

Population-Based Research Optimizing Screening through Personalized Regimens (PROSPR)
Constance Mao, MD, Co-Principal Investigator with Dr. Zi-Ding Feng and Dr. Barlow

Funding Source: National Institutes of Health (NIH)

End Date: October 2015

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

Research

HIV/AIDS *(continued)*

UW IMPAACT Clinical Trial Unit

Jane E Hitti, MD, MPH, Principal Investigator

Funding Source: Seattle Children's Hospital/Research

End Date: 11-30-11

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

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

Immunological and Virological Events in Early HIV Infection (Project 3, starting in 2012)

Florian Hladik, MD, PhD, Collaborator

Funding Source: NIH/NIAID

End Date: September 2015

Research

HUMAN PAPILLOMAVIRUS

Home HPV vs. Pap Exam (HOME) Study

Constance Mao, MD, Principal Investigator

Funding Source: National Institutes of Health (NIH)

End Date: October 2015

INFANT DEVELOPMENT AND ENVIRONMENT

The Infant Development and Environment Study

Michael G Gravett, MD, Principal Investigator

Funding Source: Seattle Children's Hospital Research Institute

End Date: 3-31-12

MENOPAUSE

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

Susan D Reed, MD, MPH, Principal Investigator

Funding Source: National Institutes of Health (NIH)

End Date: 8-31-13

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

Research

NEUROENDOCRINE

Neurochemical and Neuroendocrine Function during Aging

Phyllis M Wise, PhD, Principal Investigator

Funding Source: National Institutes on Aging (NIA)

End Date: 7-31-12

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

Project II—Kiss1 Signaling and Regulation in the Male Mouse (U54)

Robert A Steiner, PhD, Principal Investigator, and Donald K Clifton, PhD, Co-Investigator for Project II (G Stanley McKnight, PhD, Principal Investigator for overall grant)

Funding Source: National Institutes of Health (NIH)

End Date: 3-31-12

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: 6-26-13

PREECLAMPSIA

Maternal-Fetal Immune Tolerance in Preeclampsia

Hilary S Gammill, MD, Principal Investigator

Funding Source: Preeclampsia Foundation

End Date: 12-31-11

Research

PRETERM BIRTH

New Model of Ascending Infection-Related Preterm Birth

Kristina M Adams Waldorf, MD, and Michael G Gravett, MD, Principal Investigators

Funding Source: March of Dimes

End Date: 3-14-12

Toll-Like Receptor Antagonism as a Potential Treatment for Preterm Labor (K08)

Kristina M Adams Waldorf, MD, Principal Investigator

Funding Source: National Institutes of Health (NIH)

End Date: 3-14-12

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: 2-29-12

Global Alliance for the Prevention of Prematurity and Stillbirth

David A Eschenbach, MD, Principal Investigator

Funding Source: Bill & Melinda Gates Foundation

End Date: May 2012

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: 12-31-11

QUALITY IMPROVEMENT

Hospital-Based Perinatal QI Project: Eliminate Elective Deliveries

Thomas J Benedetti, MD, MHA, Principal Investigator

Funding Source: March of Dimes, Washington chapter

End Date: 6-30-12

Research

TOPICAL MICROBICIDE DEVELOPMENT

Nanoparticle Microbicides for Delivery of Combination Antiretroviral Drugs

Florian Hladik, MD, PhD, Co-Principal Investigator

Funding Source: NIH/NIAID

End Date: June 2016

Microbicide Trials Network Immunology Core

Florian Hladik, MD, PhD, Collaborator

Funding Source: NIH/NIAID

End Date: September 2013

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

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)

End Date: 5-31-15

Research

VACCINE DEVELOPMENT

HIV Vaccine Trials Network (HVTN) Laboratory Program

Florian Hladik, MD, PhD, Collaborator

Funding Source: NIH/NIAID

End Date: 2013

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

Constance Mao, MD, Principal Investigator