Maternal-Fetal Medicine Fellowship Prospectus
DUKE OB/GYN MISSION, VISION & VALUES

Mission
Deliver better health and hope to all women and their families through compassionate care, innovation, education and discovery

Vision
Set the global standard of excellence and lead the future of women’s healthcare
Core Values

**Excellence**
We set high standards and bring exceptional quality to all areas of women’s healthcare, research and education.

**Integrity**
We are honest and ethical in every situation, especially when it is not easy.

**Innovation**
We offer novel, creative ideas and pioneer discoveries that advance women’s healthcare.

**Diversity & Inclusion**
We value, respect and engage our differences, enhancing our ability to make discoveries, educate tomorrow’s leaders and deliver extraordinary care to our diverse patient population.

**Teamwork**
We work together to achieve shared goals over personal goals. We believe the best results come from integrating a mix of perspectives, talents and experiences.

**Continuous Improvement**
We are never satisfied with the status quo; we all seek improvement in every aspect of delivering, researching and supporting women’s healthcare.

**Community**
We are in tune with and engage our community to make our care accessible for all who need women’s health services.

**Advocacy**
We advocate for better health for the women in our community and around the world.
Message from the MFM Fellowship Program Director

Thank you for your interest in the Duke Maternal-Fetal Medicine Fellowship Program. Our philosophy is to provide a comprehensive experience while tailoring the program to each fellow's particular interest(s), ultimately preparing trainees to serve as perinatal experts. Upon completion of the program, fellows will have acquired knowledge in perinatal medicine, gained experience in the management of common and atypical medical and obstetrical complications and trained extensively in clinical and basic research.

The MFM division is comprised of 14 faculty members with a broad spectrum of clinical, epidemiologic and basic research interests. Basic and clinical research programs, and a Perinatal Research Laboratory fully equipped to perform a wide range of molecular biology techniques and provide excellent educational opportunities. Additionally, a large clinical research group with on-site research space and staff for enrolling prospective studies and clinical trials, as well as collaboration with other medical center programs, make Duke’s program exceptional.

Duke University is a tertiary care referral center that accommodates a variety of pregnancy and medical complications. This provides fellows with the opportunity to participate in the care of women with high-risk pregnancies and associated conditions, preparing them to serve as consultants. The Duke Fetal Diagnostic Center performs over 20,000 fetal ultrasound evaluations per year and encompasses training in procedures including amniocentesis, chorionic villus sampling, percutaneous umbilical blood sampling, fetal transfusion and other fetal procedures and treatments. We look forward to your being a part of this world-class educational environment.

Sarah Ellestad, MD
PROGRAM DEMOGRAPHICS
Duke University Medical Center
Maternal-Fetal Medicine Division
2608 Erwin Road
Durham, NC 27705

Program Director
Sarah Ellestad, MD

Administrative Coordinator
Belinda Adams
919-668-0843

Program Coordinator
Allison Mooney, MBA
919-681-8381
FAX 919-668-5547

Learn more about our MFM fellowship program
Web: obgyn.duke.edu/education-and-training/fellowship-programs/maternal-fetal-medicine
Email: obgyneducation@duke.edu
Twitter: @dukeobgyn

PROGRAM AIMS
The aims of the Duke Maternal-Fetal Medicine Fellowship training program are:
To provide comprehensive research, clinical care and quality training focused on maternal and fetal care to develop academic leaders in the field.
To develop compassionate, highly skilled physicians capable of providing the highest level of evidence-based maternal and fetal care.
PROGRAM OVERVIEW

The primary goal of the Maternal-Fetal Medicine Fellowship Program at Duke University Medical Center is to prepare trainees to deliver the best possible clinical care in all areas of high-risk obstetrics and to provide training in areas of basic science and clinical research.

Clinical Training

Duke is a tertiary care center, which provides the fellow an opportunity to participate in the care of women with significant medical complications. Along with weekly high-risk OB clinics, MFM fellows lead the fellow consult clinic, which is dedicated to the most complex outpatients we manage. This consult clinic carries a lightened patient load, which allows the fellow the opportunity to review the literature on a particular topic, develop an evidence-based management plan and discuss it with a faculty attending. The fellow and faculty discuss the strength of the literature and determine the optimal course of care for the remainder of the pregnancy. These plans often involve multiple specialties, such as cardiology, critical care and anesthesia. Because of the complexity of these patients, the fellows guide the coordination of all aspects of care. This provides an enriched experience for the fellow while he/she learns to serve as a Maternal-Fetal Medicine consultant.

In our Fetal Diagnostic Centers, where over 20,000 fetal ultrasounds are performed annually, fellows are trained by Maternal-Fetal Medicine Faculty. During their participation in genetic counseling and time spent in these clinical sites, MFM fellows are taught the different modalities of noninvasive and invasive prenatal diagnosis. These modalities include, but are not limited to, first trimester screening, second trimester maternal serum screening, chorionic villus sampling, amniocentesis and PUBS. All genetic cases and fetal anomalies are discussed during weekly multidisciplinary seminars and a monthly genetics conference, involving faculty from both prenatal and pediatric genetics.

The inpatient experience includes care of complex antepartum, intrapartum and postpartum patients. There are over 3,400 deliveries that take place at Duke University a year, the majority of which are considered high risk and are managed by a Maternal-Fetal Medicine fellow in conjunction with the Ob/Gyn residents and MFM faculty. We receive transfers from all over the state of North Carolina, both for maternal indications as well as for fetal indications due to the large number of pediatric subspecialties Duke has. We have 24/7 women's anesthesia coverage on the unit and a level IV NICU as well as Pediatric ICU and Pediatric Cardiac ICU, all of which have a national reputation.
Formal divisional and departmental conferences, multiple medical lectures and national meetings provide the opportunity for the fellows to participate and develop an academic career.

Research

The Division of Maternal-Fetal Medicine has a robust clinical research operation as well as a perinatal laboratory. Basic and clinical research opportunities are available within MFM and in collaboration with other medical center programs.

The Perinatal Research Laboratory has over 1500 square feet of space dedicated to molecular biology research and is located approximately five minutes away from the MFM clinical and research offices. This lab is staffed by two full-time staff members with expertise in molecular biology, cell culture systems and assay development. There are ten fully equipped bench height workstations with pipettman, vortexers, electrophoresis accessories and bench top centrifuges. There is separate space for cell culture of both primary tissue and cell lines with two certified tissue culture hoods and three certified CO2 incubators at the Duke Birthing Center. The laboratory maintains a -80°C freezer on the Birthing Center for short-term sample storage prior to transfer to the lab.

The Duke Perinatal Research Center, which is adjacent to the perinatal clinic, has approximately 5,000 square feet of research space on-site. This center is staffed by a nine-member team who are available to the fellows, to provide assistance with clinical research. The space includes two clinical exam rooms; a clinical sample-processing laboratory with centrifuge, refrigerator, -20 chest freezer; and a clean room with medication refrigerator, ambient medication storage and clinical supplies.

MFM fellows also have access to statisticians and support for REDCap database development and management for IRB approved research projects.

Patient Population

Duke serves a very diverse patient population, a significant proportion of which are medically underserved.
FELLOWSHIP YEARS

Year 1
Year one of the fellowship focuses on clinical experience with rotations in ambulatory and in-patient high-risk obstetrics, ICU training, prenatal diagnosis and genetics. Specific rotations to develop research questions and meet with faculty mentors are included in the first year.

Year 2
The second year is primarily devoted to course work and research as outlined in the Maternal-Fetal Medicine Guide to Learning. There are ultrasound blocks in this year to maintain ongoing skill advancement.

Year 3
The third year focuses on both clinical and research with experiences individualized to the specific fellow needs to prepare for future endeavors.

BLOCK SCHEDULE

Labor & Delivery
Duke Birthing Center supervising deliveries, managing labor and delivery flow and antepartum training

Perinatal Diagnosis Durham
Perform ultrasounds, prenatal diagnostic procedures, read studies, counsel patients, genetic counseling exposure

Perinatal Diagnosis Raleigh
Perform ultrasounds, prenatal diagnostic procedures, MFM consults, read studies, counsel patients, genetic counseling exposure

Clinic
High-risk OB clinic

Research
Research

Surgical Intensive Care Unit
Rounding and caring for critical patients in ICU. Work with critical care team performing procedures as appropriate.
### 2020-2021 MONTHLY BLOCK SCHEDULE

<table>
<thead>
<tr>
<th></th>
<th>Jul</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>3rd yr</strong></td>
<td>Research/Elective</td>
<td>Perinatal Diagnosis Raleigh</td>
<td>Perinatal Diagnosis Durham</td>
<td>Research/Elective</td>
<td>Research/Elective</td>
<td>Clinic</td>
<td>Research/Elective</td>
<td>Perinatal Diagnosis Raleigh</td>
<td>Research/Elective</td>
<td>Labor &amp; Delivery</td>
<td>Perinatal Diagnosis Durham</td>
<td>Research/Elective</td>
</tr>
<tr>
<td><strong>3rd yr</strong></td>
<td>Perinatal Diagnosis Raleigh</td>
<td>Research/Elective</td>
<td>Labor &amp; Delivery</td>
<td>Perinatal Diagnosis Durham</td>
<td>Research/Elective</td>
<td>Research/Elective</td>
<td>Perinatal Diagnosis Durham</td>
<td>Research/Elective</td>
<td>Perinatal Diagnosis Raleigh</td>
<td>Research/Elective</td>
<td>Research/Elective</td>
<td>Perinatal Diagnosis Durham</td>
</tr>
<tr>
<td><strong>2nd yr</strong></td>
<td>Research</td>
<td>Research</td>
<td>Perinatal Diagnosis Raleigh</td>
<td>Research</td>
<td>Research</td>
<td>Research</td>
<td>Research</td>
<td>Perinatal Diagnosis Durham</td>
<td>Research</td>
<td>Research</td>
<td>Research</td>
<td>Research</td>
</tr>
<tr>
<td><strong>2nd yr</strong></td>
<td>Research</td>
<td>Research</td>
<td>Research</td>
<td>Perinatal Diagnosis Raleigh</td>
<td>Research</td>
<td>Research</td>
<td>Perinatal Diagnosis Durham</td>
<td>Research</td>
<td>Research</td>
<td>Research</td>
<td>Research</td>
<td></td>
</tr>
<tr>
<td><strong>1st yr</strong></td>
<td>Perinatal Diagnosis Durham</td>
<td>Labor &amp; Delivery</td>
<td>Research</td>
<td>Labor &amp; Delivery</td>
<td>Perinatal Diagnosis Raleigh</td>
<td>Labor &amp; Delivery</td>
<td>Clinic</td>
<td>Labor &amp; Delivery</td>
<td>Research</td>
<td>Surgical Intensive Care Unit</td>
<td>Labor &amp; Delivery</td>
<td>Perinatal Diagnosis Durham</td>
</tr>
<tr>
<td><strong>1st yr</strong></td>
<td>Labor &amp; Delivery</td>
<td>Perinatal Diagnosis Durham</td>
<td>Surgical Intensive Care Unit</td>
<td>Research</td>
<td>Labor &amp; Delivery</td>
<td>Perinatal Diagnosis Raleigh</td>
<td>Labor &amp; Delivery</td>
<td>Clinic</td>
<td>Labor &amp; Delivery</td>
<td>Perinatal Diagnosis Durham</td>
<td>Research</td>
<td>Labor &amp; Delivery</td>
</tr>
</tbody>
</table>
Brenna L. Hughes, MD, MSc
Associate Professor of OB-GYN
Chief, Division of Maternal-Fetal Medicine
Chair, Departmental Quality, Safety and Peer Review Committee

Specific Interests: Infectious diseases in pregnancy, congenital cytomegalovirus, influenza in pregnancy, cesarean surgical site infections, pharmacology of medications in pregnancy, quality care

Samuel Bauer, MD
Associate Professor of OB-GYN
Medical Director, Quality and Telemedicine

Specific Interests: Obstetrical safety and quality through clinical and operational standardization, prenatal diagnosis, management of multiple gestations

Brita Boyd, MD
Assistant Professor of OB-GYN
Co-Medical Director, Duke Fetal Diagnostic Center

Specific Interests: Prenatal diagnosis, preconception and antepartum diabetes care, pregnancy complications

Alice Cooper, OGNP, RNC
Clinical Associate, Departments of OB-GYN and Community & Family Medicine
Medical Director, Duke Perinatal Clinic, Durham
Vice Chair for Ambulatory Services, Department of OB-GYN

Specific Interests: Women’s Health Clinical care provider for both Gynecological and High Risk Obstetrics care, clinical operations improvements, improved patient experience and patient education, Medical and PA student clinical preceptor, Fellow and Resident educator
Sarah Dotters-Katz, MD, MMHPE
Assistant Professor of OB-GYN
Director of Undergraduate Medical Education
Specific Interests: Undergraduate Medical education, maternal infections, management of pregnancies with life limiting fetal anomalies

Sarah Ellestad, MD
Associate Professor of OB-GYN
MFM Fellowship Program Director
Co-Medical Director, Duke Fetal Diagnostic Center Medical Director, Duke Perinatal Consultants of Burlington
Specific Interests: Prenatal diagnosis, preterm labor, incompetent cervix

Jennifer Gilner, MD, PhD
Assistant Professor of OB-GYN
Medical Director, Duke University Hospital Birthing Center
Specific Interests: Preterm birth, abnormal placentation
Andra James, MD, MPH
Professor of OB-GYN
Consulting Professor of Medicine – Division of Hematology

**Specific Interests:** Blood disorders in women

Jeffrey Kuller, MD
Professor of OB-GYN
Medical Director, Duke Perinatal of Raleigh and Cary

**Specific Interests:** Detailed fetal ultrasound, gynecologic ultrasound, amniocentesis, chorionic villus sampling, genetic counseling, high-risk pregnancy consultation

Elizabeth Livingston, MD
Professor of OB-GYN

**Specific Interests:** High-risk obstetrics, diabetes, HIV infection in pregnancy

Eleanor Rhee, MD
Assistant Professor of OB-GYN
Co-Medical Director, Duke Perinatal of Raleigh and Cary

**Specific Interests:** High-risk obstetrics, prenatal diagnostic ultrasound, medical complications of pregnancy

Maria Small, MD, MPH
Associate Professor of OB-GYN
Medical Director, Durham County Health Department, Division of Women’s Health Services

**Specific Interests:** High-risk pregnancies, medical complications of pregnancy, prenatal diagnosis, global health
Geeta Swamy, MD  
Associate Professor of OB-GYN  
Vice Dean and Associate Vice Provost for Scientific Integrity, Duke University and Duke School of Medicine  
Vice Chair for Research & Faculty Development  

**Specific Interests:** Perinatal infection, maternal immunization and preterm birth

Sarahn Wheeler, MD  
Assistant Professor of OB-GYN  
Director, Diversity & Inclusion  
Director of the Prematurity Prevention Program  

**Specific Interests:** Race disparities in obstetric outcomes, preterm birth prevention, population health improvement, community engaged research
DIVISION STAFF

Belinda Adams, Administrative Coordinator
Allison Mooney, MBA, Fellowship Coordinator
Charlene Simmons, Administrative Assistant

CLINICAL STAFF

Ashley Personius, HCA
Kelsey Wittl, BSN, RN, HCA
Courtney Darr, RN, RN Team Lead
Deborah Aguirre, RN
Ka’Dedra Creech, RN
Brittany Klingensmith, RN
Serena Lowery-Kooiker, RN
Demetria Terry, RN
Sierra Wagner, RN
Ashley Burnley, CMA
Erika Denny, CMA
Lakendra Griffis, CMA
Kimberly Hughes, CMA
Lauren March, CMA
Keisha Reid, CMA
Rochelle Robinson, CMA
Alaina Tran, CMA
Mikala Williamson, CMA
Kristyn Worrell, CMA
Ana Franceschina, Medical Interpreter

Ebony Harden-Munson, Registered Dietician
William Meyer, MSW, LCSW
Justin (JD) Coates, Service Access Team Leader
Shannon Farrish, Service Access Manager
Carmen Douglas, FCC
Zarina Gilchrist-Brown, FCC
Phyllis Martin, FCC
Robin Stewart, FCC
Latonya Adams, PSA
Patricia Aguilar, PSA
Jyvonne Bond, PSA
Torian Collins, PSA
Caitlin Compton, PSA
Carmen Douglas, PSA
Dayra Hernandez, PSA
Daniela Soria, PSA
Amy Torres, PSA

Genetic Counselors:

Danielle Karlowicz, MS, CGC
Regan Matthews, MS, CGC
Amanda Padro, MS, CGC
Kristin Paulyson Nunez, MS, CGC
Patricia Thompson, MS, CGC
Deborah Wells, MS, CGC
Clinical Research Staff:

Bonnie Thiele, RN, CCRC  
Research Practice Manager  
Kristin Weaver, BS, CCRC  
Perinatal Research Program Manager  
Jennifer Ferrara, BSN  
Clinical Research Nurse Coordinator  
Amy O’Berry, MSN, RNC-MNN  
Clinical Research Nurse Coordinator  
Juliann Rush, RN  
Clinical Research Nurse Coordinator  
Nixaliz Cumba, MD  
Clinical Research Coordinator  
Thelma Fitzgerald, BS  
Clinical Research Coordinator  
Danielle Lanpher, BS  
Clinical Research Coordinator  
Kaitlyn Matthews, BS  
Clinical Research Coordinator  
Kim Perez, BA  
Clinical Research Coordinator  
Daminike Sullins, BS  
Clinical Research Coordinator  
Rebecca Beal, BS  
Regulatory Coordinator

Sonographers:

Allison Allen, RDMS  
Alicia Arellanes, RDMS  
Michelle Bilodeau, RDMS  
Mary Bortey, RDMS  
Maggie Callan, RDMS  
Mary Cooper RDMS, RVT  
Kathryn Hall, RDMS  
Kimberly Hollingsworth, RDMS  
Morgan House, DMS  
Allison Kenia, BA, RDMS  
Alexis Lobo, RDMS  
Julie Malone, BS, RDMS  
Patricia McNally, BS, RDMS  
Kelly Paciorek, RDMS  
Jo-Ann Pelton, BS, RDMS, RT  
Elizabeth Pinkett, RDMS, RDCS, RVT  
Hailey Reynolds, RDMS  
Nicole Sekelsky, RDMS  
Nancy Stanforth, RDMS, RDCS (FE)  
Melinda Todd, RDMS  
Kristina Vidal, RDMS  
Marilyn Weisz, RDMS, RDCS (FE)  
Anna Zachariason, RDMS
CURRENT FELLOWS

Jeff Federspiel, MD, PhD
Residency: Johns Hopkins
Baltimore, MD
Fellow: 2019-2022

Kateena Addae-Konadu, MD, PhD
Residency: Case Western Reserve University
Cleveland, OH
Fellow: 2019-2022

Amanda Craig, MD
Residency: Vanderbilt University
Nashville, TN
Fellow: 2020-2023

Luke Gatta, MD
Residency: Duke University
Durham, NC
Fellow: 2020-2023

Jennifer Cate, MD
Residency: Yale School of Medicine
New Haven, CT
Fellow: 2021-2024

Ronan Sugrue, MBChB, MPH
Residency: Brigham and Women’s Hospital
Boston, MA
Fellow: 2021-2024
ADDITIONAL CLINICAL FACULTY & COLLABORATORS

**Pediatric Infectious Diseases**

**Emmanuel “Chip” Walter, MD, MPH**
Professor of Pediatrics  
Director, Duke Clinical Vaccine Unit

**Sallie Permar, MD, PhD**
Professor of Pediatrics  
Professor of Molecular Genetics and Microbiology  
Professor in Immunology  
Affiliate, Duke Global Health Institute  
Associate of the Duke Initiative for Science & Society  
Member of the Duke Human Vaccine Institute

**Michael Cohen-Wolkowiez, MD, PhD**
Professor of Pediatrics  
Director, Duke Clinical Research Unit

**Anthony Moody, MD**
Associate Professor of Pediatrics  
Associate Professor in the Department of Immunology  
Member of the Duke Human Vaccine Institute

**Paul Lantos, MD**
Associate Professor of Medicine  
Associate Professor in Pediatrics  
Affiliate, Duke Global Health Institute

**Pediatric Hematology/Oncology – Cellular Therapies**

**Joanne Kurtzberg, MD**
Professor of Pediatrics

**Jerome S. Harris**
Professor of Pediatrics  
Professor of Pathology  
Member of the Duke Cancer Institute  
Affiliate of the Regeneration Next Initiative

**Obstetric Anesthesia**

**Ashraf S. Habib, MBBCh, MSc, MHSc, FRCA**
Chief, Division of Women’s Anesthesia  
Professor of Anesthesiology  
Professor in Obstetrics and Gynecology

**Jennifer E. Dominguez, MD, MHS**
Assistant Professor of Anesthesiology  
Program Director, Obstetric Anesthesiology Fellowship

**Neonatology**

**Michael Cotten, MD, MPH**
Professor of Pediatrics  
Chief, Division of Neonatology

**Noelle Younge, MD, MHS**
Assistant Professor of Pediatrics
Cardiology
Paul Rosenberg, MD
Associate Professor of Medicine

Immunology
Kent Weinhold, PhD
Joseph W. and Dorothy W. Beard Professor of Experimental Surgery, in the School of Medicine
Chief, Division of Surgical Sciences
Director, Laboratories/Surgical Sciences, Basic Research
Professor of Surgery
Professor of Immunology
Professor in Pathology
Trained interventionist, Pelvic Floor Disorders Network

Gastroenterology
Carla W. Brady, MD, MHS
Associate Professor of Medicine

Cary Ward, MD
Associate Professor of Medicine

Rheumatology
Megan Clowse, MD
Associate Professor of Medicine

Rheumatology
Adrienne Barnosky, DO
Assistant Professor of Medicine
QUOTES FROM CURRENT AND FORMER FELLOWS

The Maternal-Fetal Medicine fellowship at Duke was an amazing experience. It is very well rounded with complex patients, inpatient and outpatient settings and research opportunities which prepared me well for life after fellowship. There is a large number of faculty with expertise in multiple different areas of maternal and fetal medicine. There is a very collegial atmosphere among the MFM physicians at Duke and I always appreciated the relationships we as fellows developed with each other and with the attendings.

Tim R. Beiswenger, MD
Assistant Professor
Division of Maternal-Fetal Medicine
University of Florida

I would not change anything about my fellowship experience at Duke. I wanted a program with outstanding faculty to learn from, a robust research experience and clinical opportunities spanning the depth and breadth of Maternal-Fetal Medicine. I found all of that at Duke. The faculty are truly invested in our education and have become lifelong mentors. My clinical and research experiences were vast and more than prepared me for my current position in academic medicine. I appreciated the autonomy I was given throughout my fellowship but knew there was always support when needed. Duke Maternal-Fetal Medicine is a wonderful program and I feel fortunate to have had the opportunity to train at Duke.

Jennifer Thompson, MD, FACOG
Assistant Professor
Associate Fellowship Program Director, Maternal-Fetal Medicine
Division of Maternal-Fetal Medicine
Vanderbilt University
I have wonderful memories of my time in MFM Fellowship training at Duke. The environment at Duke is one of positivity, inclusiveness and respect for all levels of learners. Not only did Duke provide an excellent atmosphere to learn, Duke provided me a top notch education. I had access to leaders in the field of both research and clinical practice. I had the opportunity to complete translational research with supportive mentors. From a clinical standpoint, I experienced a large depth and breadth of maternal and fetal disease that has helped me transition smoothly into MFM practice. I am forever grateful for my time spent at Duke and the wonderful doctors, residents, co-fellows and staff I had the pleasure to meet along the way.

Emily Patel, MD  
Methodist Health System

The first thing that comes to mind when I think about my experience at Duke Maternal-Fetal Medicine is being surrounded by phenomenal mentors. I believe that the number one staple of the program is having multiple faculty members with vast experience to educate, enhance your abilities as a clinician and help you find your niche within our sub-specialty. The second thought for me is simply family. Duke Maternal-Fetal Medicine encompasses compassionate individuals who are supportive in all aspects of life. I have always considered Duke as my first “adult” home. Looking back on my time at Duke, I could not have imagined being anywhere else for my training.

Keisha Lynn Bursey Reddick, MD, FACOG  
Assistant Professor  
Mercer University School of Medicine, Savannah Campus  
Memorial Health - Savannah Perinatology Specialists
Every member of the Duke MFM Faculty are engaged in teaching and developing our fellows. It is a relatively large division, each person eager to impart a solid foundation in MFM in addition to deeper understanding in their individual areas of special interest and expertise. As a fellow I always felt like a welcome part of the group’s practice and that my voice was valued in our group conferences. I received invaluable clinical exposure to a broad range of obstetric pathology. Furthermore, my fellowship mentors constantly kept in mind the steps that would prepare me to launch a career in MFM. I always felt that the program was invested in my fellowship as well as my future.

Jennifer Bushman Gilner, MD, PhD
Assistant Professor
Division of Maternal-Fetal Medicine
Duke University Health System
I chose Duke for training in Maternal-Fetal Medicine due to the high acuity of the obstetric care, excellent clinical training and early opportunities to be involved in research. And, of course, all of the amazing mentors!

Annalies DeNoble, MD
Residency: Duke University, Durham, NC

I chose Duke for Maternal-Fetal Medicine training because of the engaging and supportive faculty who are interested in helping me maximize my fellowship experience.

Courtney Mitchell, MD, PhD
Residency: University of Alabama, Birmingham, AL

I chose Duke because of the breadth of clinical experience and exposure to pathology as well as the strength of and support for both clinical and basic science research. Duke has surpassed my expectations. I have been provided excellent training and opportunities in a collegial and cooperative atmosphere.

Chelsea Clinton, MD
Residency: New York-Presbyterian Cornell, New York, NY
The Duke Maternal-Fetal Medicine fellowship is an excellent place to begin a career in perinatology, allowing fellows the opportunity to explore the full scope of practice. The faculty demonstrate a true dedication to fellow education and career development in a supportive environment. I am extremely satisfied with my decision to come to Duke.

Emily Reiff, MD
Residency: Partners Healthcare, Boston, MA

Duke is a wonderful place to train for Maternal-Fetal Medicine Fellowship due to both the high volume of cases and the high acuity of our obstetric population. You will have a strong clinical experience at Duke supported by a friendly and welcoming faculty.

Anne Siegel, MD
Residency: University of Alabama, Birmingham, AL

My fellowship experience at Duke has been amazing! I've really enjoyed the depth of clinical pathology and the early integration of research time into our curriculum.

Megan Varvoutis, MD
Residency: Memorial Health University Medical Center, Savannah, GA
I chose Duke for excellent clinical training in the breadth of maternal-fetal medicine – both high risk maternal conditions and fetal – in a very congenial environment.

Jeff Federspiel, MD, PhD
Residency: Johns Hopkins Hospital

---

I chose Duke for the plethora of research opportunities from basic science, quality improvement and clinical research; the amazing and warm clinical staff; and the patient population.

Kateena Addae-Konadu, MD, PhD, MSc
Residency: Case Western Reserve University
I chose Duke for its excellent clinical training with a medically complex and diverse patient population, its phenomenal research opportunities in both basic and clinical science and for the incredibly supportive and successful group of faculty who will be both my mentors and colleagues.

Amanda Craig, MD
Residency: Vanderbilt University, Nashville, TN

The culture is committed to mentorship. We compel one another to work at our highest standards, in a shared sense of promoting the common good for our patients and their families.

Luke Gatta, MD
Residency: Duke University, Durham, NC
ACTIVE RESEARCH

Maternal-Fetal Medicine Units (MFMU) Network
• Clinical research funded by NIH/NICHD
• Antenatal Late Preterm Steroids – childhood follow-up for pulmonary and neurocognitive outcomes
• CMV Trial – RCT of Hyperimmune globulin vs. placebo for primary prevention of congenital CMV infection

Vaccine & Treatment Evaluation Units (VTEU)
• Clinical research funded by NIH/NIAID
• POPS-CANDO – population pharmacokinetic study of azithromycin and ertapenem in women undergoing labored cesarean delivery
• Emerging infection/pandemic preparedness in pregnancy

Clinical Immunization Safety Assessment (CISA)
• Vaccine safety research funded by CDC
• Tdap vaccine safety in pregnant and non-pregnant women
• -RCT of simultaneous vs. sequential Influenza & Tdap vaccines in pregnancy

Prematurity
• Duke is part of a March of Dimes multidisciplinary Prematurity Research Center – collaborative projects investigate regulatory genetic variants and networks in preterm birth as well as transcriptional and epigenetic responses to maternal stress
• Basic science (lab-based) research investigating mechanisms of immune tolerance between mother and fetus, and the effects of loss of tolerance in second or third trimester pregnancy
• Disparities research/patient-centered research to identify & reduce barriers to preventive care
Hypertensive disorders of pregnancy
• Chronic Hypertension in Pregnancy (CHAP) – NHLBI funded multi-site RCT of labetalol or nifedipine vs. no treatment for mild chronic hypertension in pregnancy

Pharmacokinetics in pregnancy
• Indocin – NICHD funded multi-site pharmacokinetics study of indomethacin in pregnancy
• Pediatric Trials Network – Duke is the lead site for the PTN protocol aimed at determining pharmacology of various specific drugs of interest in breastfeeding with a goal of informing labeling indications. Duke MFM will primarily recruit for the study at Duke

Perinatal infection & maternal immunization
• Respiratory Syncytial Virus Vaccine in Pregnancy – multi-site phase III trial to prevent infant RSV
• Relationship between maternal humoral immunity and fetal outcome of maternal Zika virus infection

Blood disorders
• Hemostatic variables in the postpartum period
FELLOWSHIP PROGRAMS

Duke University Obstetrics and Gynecology is one of only 17 departments in the nation to have fellowship programs in all four subspecialties.

Maternal-Fetal Medicine

The Maternal-Fetal Medicine Fellowship Program at Duke University is designed to train fellows by providing a comprehensive experience in Maternal-Fetal Medicine while tailoring the program to each fellow’s special interest. Read more about Maternal-Fetal Medicine

Gynecologic Oncology

The primary goals of the Gynecologic Oncology Fellowship Program are to prepare trainees to deliver the best possible clinical care in the areas of diagnosis, treatment and prevention of gynecologic malignancies, and to provide a platform for trainees who aspire to careers in academics and research. Read more about Gynecologic Oncology

Reproductive Endocrinology & Infertility

The Duke Reproductive Endocrinology and Infertility (REI) fellowship program is designed to provide outstanding clinical and investigative skills to pursue an academic career in REI. Read more about Reproductive Endocrinology & Infertility

Female Pelvic Medicine & Reconstructive Surgery

This Duke fellowship is one of the first four accredited programs in Female Pelvic Medicine and Reconstructive Surgery in the U.S. Our goal is to train and develop pelvic surgeon/scientists who will pursue productive academic careers and who will be preeminent clinicians. Read more about Female Pelvic Medicine & Reconstructive Surgery
GETTING TO KNOW DUKE HEALTH

Duke Health conceptually integrates the Duke University Health System corporate.dukehealth.org, the Duke University School of Medicine medschool.duke.edu and the Duke University School of Nursing nursing.duke.edu. It is the combination of research, clinical care and education that takes place through the efforts of our faculty, staff, students and trainees at many different sites throughout our region and worldwide.

As a world-class academic and health care system, Duke Medicine strives to transform medicine and health locally and globally through innovative scientific research, rapid translation of breakthrough discoveries, educating future clinical and scientific leaders, advocating and practicing evidence-based medicine to improve community health and leading efforts to eliminate health inequalities.
GETTING TO KNOW DUKE UNIVERSITY

Duke University is home to some 13,000 undergraduate and graduate students and a world-class faculty helping to expand the frontiers of knowledge. The university has a strong commitment to applying knowledge in service to society, both near its North Carolina campus and around the world.

Duke University was created in 1924 by James Buchanan Duke as a memorial to his father, Washington Duke. The Dukes, a Durham family that built a worldwide financial empire in the manufacture of tobacco products and developed electricity production in the Carolinas, long had been interested in Trinity College. Trinity traced its roots to 1838 in nearby Randolph County when local Methodist and Quaker communities opened Union Institute. The school, then named Trinity College, moved to Durham in 1892, where Benjamin Newton Duke served as a primary benefactor and link with the Duke family until his death in 1929. In December 1924, the provisions of indenture by Benjamin’s brother, James B. Duke, created the family philanthropic foundation, The Duke Endowment, which provided for the expansion of Trinity College into Duke University.

Read more about Duke University at duke.edu

Duke Named a Forbes “Best Employer for Women” in 2020
DURHAM AND RTP

Durham is at the apex of North Carolina’s famed Research Triangle rtp.org, an area formed by Duke University, North Carolina State University in Raleigh (20 miles from Duke) and the University of North Carolina at Chapel Hill (11 miles from Duke). Durham is also close to the coast and the mountains.

Research Triangle Park - Inspiring Bold Ideas

We believe that those who have the freedom and support to pursue bold ideas will change the course of history. We foster that potential by investing in the fabric of our community.

In the heart of the triangle, the Research Triangle Park covers 6,500 acres of rolling woodland dotted with some of the most sophisticated research facilities to be found anywhere. As a reporter for The Wall Street Journal once observed, the park is known for “pine trees and PhDs.”

There are many diverse activities within 30 minutes of Durham. The range and level of cultural attractions found here rival those in much larger (and more crowded and expensive) cities. The $20 million downtown Durham Performing Arts Center has become a national model for community arts programs. Other attractions include:

• The highly acclaimed American Dance Festival
• Outstanding art exhibits, libraries and concerts in the park
• Performances by renowned symphonies, opera and ballet companies
Durham is well known from the movie *Bull Durham*, which featured our popular minor league baseball team, the Durham Bulls — a Class AAA farm club for the Tampa Bay Rays. The hot dogs always taste better at the ballpark, and rooting for the Bulls in the Durham Bulls Athletic Park is among the joys of summer. The term “bull pen” was coined by a sportswriter to describe the area where relief pitchers warm up, because their activity was overseen by a snorting, locomotive-size bull on a Bull Durham Tobacco billboard.

Durham has become a national trendsetter for its food scene. Durham was recently ranked as The South’s Tastiest Town by *Southern Living* and America’s Foodiest Small Town by *Bon Appétit*. *Gourmet Magazine*, the *New York Times* and other publications have written about Durham’s locally produced food, traditional Southern cooking and food trucks.

*Kingdom of Cool: Durham, North Carolina, smolders as a technology hub and culinary hotspot*
DUKE/DURHAM TOURISM

Find out why Durham is North Carolina’s hippest city or visit Duke University’s comprehensive website on living in Durham.

Explore our outstanding career path options. Check out our @dukeobgyn Twitter page. Come visit our campus and see our clinical and research facilities firsthand. Then, consider making Duke your Ob/Gyn match. You’ll emerge more than prepared to lead your field and enjoy career excellence and a lifetime of achievement – and make a difference in patients’ lives, every day.

About Duke and Durham | Duke Department of Medicine

Interested in learning more about Duke & Durham and the surrounding areas for when you visit Duke? Get everything you need on the Duke Department of Medicine website.

medicine.duke.edu/education-and-training/about-duke-and-durham

WE LOVE DURHAM

We love Durham. We live here. We work here. We play here. Enjoy this video that embraces the cultural diversity, celebrates the entrepreneurial spirit, and exhibits the strong sense of community that someone would find in Durham.

DO DURHAM

Eight Reasons to Move to Durham
US News Named the Triangle metro areas among the best places to live in the country.

US NEWS: RALEIGH/DURHAM

Brightleaf Square, Durham, NC

American Tobacco Campus, Durham, NC

Sarah P. Duke Gardens, Durham, NC
DUKE HEALTH FACILITIES

Duke University Hospital, Durham, NC

Duke Regional Hospital, Durham, NC

Veterans Affairs Medical Center, Durham, NC

Duke Raleigh Hospital, Raleigh, NC
Learn more about our ob/gyn fellowship program:
MFM Fellowship
obgyneducation@duke.edu
@dukeobgyn