

# Maternal-Fetal Medicine Fellowship Application Instructions:

**We strongly recommend ERAS applications**

**Paper applications will be accepted from June 1<sup>st</sup> thru June 30, 2012**

**Please forward the following with your completed application to Dr. Macones at the address below**

1. A detailed current copy of your curriculum vitae.
2. A one page personal statement briefly describing the reason for pursuing a fellowship in Maternal-Fetal Medicine and your long-range goals after the fellowship is completed. (This may include any specific research or clinical interests and plans to serve as an MFM consultant in a private practice or academic medicine.)
3. Copies of state medical licenses or ECFMG certificate.
4. A letter of reference from the Chairman or the Director of your residency program
5. Two additional letters of reference from physicians with whom you have worked

**If you prefer to use the ABOG standard application form, please do so and send with the items listed above.**

Program Director, Professor and Chairman:

George A. Macones, M.D., M.S.C.E.  
Washington University School of Medicine  
OBGYN Department

MFM Fellowship Program

Washington University School of Medicine in St. Louis  
4911 Barnes Jewish Hospital Plaza  
Maternity 6<sup>th</sup> floor, Campus Box 8064  
St. Louis, MO 63110-1094  
or electronically to [maconesg@wustl.edu](mailto:maconesg@wustl.edu)

Assistant to Dr. Macones:

Tanja Wilson  
Phone: (314) 362-7139  
Fax: (314) 362-0041  
Email: [twilson25@wustl.edu](mailto:twilson25@wustl.edu)



College(s) Attended	Degree	Date
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Medical School	Degree	Date
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Graduate Experience (Residency, Hospital, Clinical, Military or Research) Position	Institution	Location	Date
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Post residency experience/work history Position	Institution	Location	Date
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State(s) in which you are licensed (please provide a copy):	License Number	Date
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Have you ever been denied a license, permit or privilege of taking an examination by any licensing authority? \_\_\_\_\_

Have you ever had a license or permit encumbered in any way (revoked, suspended, surrendered, censored, restricted, limited, placed on probation?) If yes, please attach a brief explanation. \_\_\_\_\_

Have you ever been named in a malpractice suit? If yes, please attach a brief explanation. \_\_\_\_\_

We require a minimum of three letters of reference, one of which must come from the director of your residency program. List the names of your references; ask them to correspond directly with Dr. Macones.

Name	Institution
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**MATERNAL-FETAL MEDICINE FELLOWSHIP PROGRAM  
WASHINGTON UNIVERSITY SCHOOL OF MEDICINE  
DEPARTMENT OF OBSTETRICS AND GYNECOLOGY**

The fellowship is designed to prepare the trainee to pursue a career in academic medicine. The first year includes an extensive clinical experience at Washington University Medical Center/Barnes-Jewish Hospital. This hospital delivers more than 4,000 patients each year, with 50% high-risk and all available to the trainee. The trainee's activity is supervised by faculty board certified and board eligible in Maternal-Fetal Medicine and additional faculty board certified in Genetics who provide prenatal diagnosis and sonology. Block time in the Ultrasound and Genetics unit within the Department of Obstetrics and Gynecology is included in the first and second years of training. One of our major strengths is extensive opportunities for research in diverse areas of reproductive biology and perinatology. Trainees are guided to develop a research focus during the first 18 months of training. A mentorship with an appropriate faculty member is arranged utilizing mentors from the entire Washington University Medical Center faculty inclusive of both clinical and basic science departments. Eighteen continuous months during the fellowship are designed and completely protected for the trainee to develop a basic, translational or clinical research interest. These studies will provide a base for a productive career in academic perinatal medicine. Research laboratories that utilize cutting edge molecular, cellular and informatics methods are available within the Division and the Department. Collaboration with researchers from the entire Washington University faculty is highly encouraged. Resources are also available from the Washington University Genome Center and the newly developed Cancer Center. A full array of conferences, graduate courses, and tutorial sessions round out the training experience to achieve Board certification in Maternal-Fetal Medicine. Most of the graduate fellows in the past 10 years are in academic positions at institutions throughout the country.

**FELLOWSHIP DIRECTOR, PROFESSOR AND CHAIRMAN  
MATERNAL-FETAL MEDICINE DIVISION DIRECTOR**

**George A. Macones, M.D., M.S.C.E.**

Dr. Macones is board certified in OB/GYN and Maternal-Fetal Medicine, and is Chair of the OB/GYN Department. Prior to moving to St. Louis, Dr. Macones was Division Chief of Maternal-Fetal Medicine at the University of Pennsylvania. He is formally trained in clinical research methods, and is internationally recognized for his work in perinatal epidemiology. He currently serves on the Maternal-Fetal Medicine Division of ABOG, and is on the Board of Directors and Program committee for Society Maternal-Fetal Medicine. He is Associate Editor of the American Journal of Obstetrics and Gynecology and of the British Journal of Obstetrics and Gynecology. Macones research interest and grant funding fall along 2 main themes- preterm birth and general obstetrical issues (VBAC, induction). Dr. Macones clinical interests are in medical complications of pregnancy and intrapartum management of complicated pregnancies.

**Lisa Bernhard, M.D.**

Dr. Bernhard is board certified in OB/GYN and fellowship-trained in Medical Genetics. She has specialized and practiced in the field of prenatal diagnosis for 17 years. Her areas of clinical expertise include prenatal diagnosis and treatment of fetuses with congenital malformations, screening for fetal chromosome disorders, and gynecologic ultrasound. Dr. Bernhard is particularly interested in the application of 3D/4D technology for improved diagnostic accuracy of fetal malformations and gynecologic abnormalities. Additionally, Dr. Bernhard serves as the Medical Director of the Barnes-Jewish Hospital OB/GYN Clinic. She also enjoys and is an active participant in the education of students, residents, and fellows.

**Alison Cahill, M.D., M.S.C.I.**

Dr. Cahill is board certified in OB/GYN and Maternal-Fetal Medicine. Dr. Cahill is also a Robert Wood Johnson Faculty Physician Scholar. She is formally trained in clinical research design, advanced analytic techniques, and epidemiology. Her research interests are primarily focused on electronic fetal monitoring, as well as pregnancies complicated by diabetes as they relate to outcomes and health disparities, with a general research interest in perinatal epidemiology. She serves as a research mentor for many residents and fellows. Dr. Cahill divides her clinical time as staff for in-patient and out-patient resident, maternal-fetal medicine, and ultrasound-genetics services. Her areas of clinical interest include operative delivery, critical care obstetrics, alloimmunization, and maternal medical complications in pregnancy.

### **Jeffrey M. Dicke, M.D.**

Dr. Dicke is board certified in OB/GYN and Maternal-Fetal Medicine. He is the Director of Ultrasound Genetics Services for the Division and his clinical activity involves primarily the organization and provision of ultrasound services, and performance of prenatal diagnostic procedures. Research activities include noninvasive screening for fetal trisomies and use of the extensive ultrasound patient database to examine the influence of prenatal sonographic findings on perinatal management and postnatal outcomes.

### **Diana L. Gray, M.D.**

Dr. Gray is board certified in OB/GYN and Medical Genetics. Clinically, Dr. Gray has contributed to the development of screening protocols for fetal trisomy 21 and other fetal disorders. She also focuses on ultrasonographic evaluation of fetal growth and invasive procedures for prenatal diagnosis of congenital disorders. Additionally, Dr. Gray serves as the Associate Dean for Faculty Affairs in the medical school. The mission of the Office of Faculty Affairs is to enhance the quality of faculty life, ensure gender equity and improve faculty diversity.

### **Ryan Longman, M.D.**

Dr. Longman is board certified in Clinical Medical Genetics and is board eligible in OB/GYN and Maternal-Fetal Medicine. He recently joined the Division of Maternal-Fetal Medicine and Ultrasound at Washington University after completing his training at the University of Michigan. Dr. Longman's career in genetics began over fifteen years ago at the National Institutes of Health. Since then his research interests have included identifying and mapping genetic loci in both mice and rats that control disease traits, such as rheumatoid arthritis and seizure susceptibility. Currently, Dr. Longman's research interests are focused on the use of chromosomal microarrays in prenatal diagnosis. Dr. Longman is a devoted medical educator and has recently created and implemented a genetics seminar for the maternal-fetal medicine fellows. In addition, Dr. Longman is also a peer reviewer of manuscripts for the American Journal of Obstetrics and Gynecology and for the International Journal of Obstetrics and Gynecology. His clinical interests include non-invasive and minimally invasive prenatal diagnosis along with prenatal management of women with Ehlers-Danlos syndrome.

### **D. Michael Nelson, M.D., Ph.D.**

Dr. Nelson is the Virginia S. Lang Professor and Vice-Chair of obstetrics and gynecology and is board certified in OB/GYN and Maternal-Fetal Medicine. He has 25 years of clinical experience in the care of the diverse high-risk obstetrical populations at the Washington University Medical Center. He also has fifteen years of NIH funding, is the editor for *Placenta*, received the Distinguished Senior Scientist Award from the Society for Gynecologic Investigation, and the clinician award *Standing Up for Mothers and Babies* from the Missouri Council on Families, Mothers, and Infants. He has published 100 peer review papers related to placental function in normal pregnancy and the dysfunction that contributes to adverse outcomes in complicated pregnancies. Specific projects include regulation of human trophoblast autophagy and apoptosis, the responses of trophoblast to oxidative stress in placental injury, quantified lactate levels in human placenta with state-of-the-art magnetic resonance imaging and spectroscopy approaches, and therapeutic manipulations of human placental function through prospective trials of pomegranate juice and vitamin D that are ongoing.

### **Anthony Odibo, M.D., M.S.C.E.**

Dr. Odibo is board certified in OB/GYN. He is the Director for the fetal care center and his expertise is in the use of minimally invasive fetal interventions in the management of the complex fetus. Dr. Odibo's research interests include prenatal diagnosis and therapy, fetal physiology and perinatal epidemiology, with special emphasis on screening for aneuploidy, management of IUGR and prevention of preterm births. He has an institutional grant to study the use of Doppler versus biophysical profile in the timing of the delivery of the preterm growth-restricted fetus. He has collaborated in a multicenter trial on the use of progesterone in the prevention of preterm birth in women with short cervical lengths and on non-invasive prenatal diagnosis using fetal cells in maternal blood.

### **Roxane Rampersad, M.D.**

Dr. Rampersad is board certified in OB/GYN and Maternal-Fetal Medicine. Her clinical interest includes medical complications of pregnancy, fetal alloimmunization, IUGR and amniotic fluid dynamics. Research Activities include understanding placental injury and the role of the innate immune system. Dr. Rampersad is also conducting studies on perinatal outcomes with abnormal amniotic fluid volumes.

### **Anthony Shanks, M.D.**

Dr. Shanks is board eligible in OB/GYN and Maternal-Fetal Medicine. He has recently joined the faculty after completing his fellowship training in MFM at Washington University. He is the Associate Residency Program Director and has received numerous teaching awards for his educational efforts. Dr. Shanks' research interests include antenatal steroids for fetal lung maturity and prenatal diagnosis and therapies. Dr. Shanks' clinical interests are in medical complications of pregnancy and multiple gestations.

### **David M. Stamilio, M.D., M.S.C.E.**

Dr. Stamilio is board certified in OB/GYN and Maternal-Fetal Medicine. Prior to moving to St. Louis, Dr. Stamilio was the Medical Director of Labor & Delivery at the University of Pennsylvania Medical Center and an Associate Scholar in the Center for Clinical Epidemiology and Biostatistics at the University of Pennsylvania School of Medicine. He is formally trained in clinical research methods, and has received international recognition for his work in perinatal epidemiology. His interests in perinatal clinical research include general obstetrical issues (e.g. vaginal birth after cesarean), prenatal complications (e.g. preeclampsia & gestational diabetes) and the prediction and prevention of preterm birth. Dr. Stamilio is an avid and accomplished medical educator; he has received multiple awards for excellence in teaching as an educator of medical students and physicians in graduate medical education (i.e. residency & fellowship). As an editorial consultant and reviewer for 10 major obstetrical, general medicine and epidemiology journals, Dr. Stamilio has been awarded recurrently as a top reviewer by multiple editorial boards. His clinical interests include non-invasive and minimally invasive prenatal diagnosis and therapy, prenatal management of maternal chronic disease and preventive treatment for premature delivery.

### **Methodius G. Tuuli, M.D., MPH**

Dr. Tuuli is board certified in OB/GYN and board eligible in Maternal-Fetal Medicine. He holds a master's degree in Public Health with special interest in perinatal epidemiology. Dr. Tuuli is a Women's Reproductive Health Research Scholar with protected time for his research endeavors. His research interests are primarily in the application of clinical trials and meta-analysis to labor and delivery management, cesarean delivery, prevention of preeclampsia and general obstetric problems. Dr Tuuli' clinical interests include hypertensive disease in pregnancy, maternal cardiac disease, fetal growth abnormalities, operative obstetrics and sickle cell disease in pregnancy. He also has interest in international maternal-child health and collaborative research. His clinical time is divided between inpatient care, outpatient consultations and ultrasound-genetics services.