Spectrum Health Systems (SHS) and the MSU CHM Departments of Obstetrics, Gynecology and Women’s Health are aligned to capitalize on their mutual strengths and accomplishments of a top 15 Health Care Systems (Truven Health Analytics), top 22 Gynecology service line (Butterworth Hospital; US News and World Report) and a top 23 research department (NIH). This is a very powerful message, that in just 4 years a real example of what was envisioned with the expansion of MSU College of Human Medicine to Grand Rapids is being accomplished. The SHMG Clinical Chief (Dr. Skip Schink) and Academic Chair (Dr. Rick Leach) work deliberately to achieve the vision to be the national leader in women’s health by 2020. Evidence of this integration begins with the appointment of the SH Clinical Chief as Professor in the Department of Obstetrics, Gynecology and Reproductive Biology (OGRB) at MSU CHM, and the Academic Chair and principal investigators from OGRB are senior scientists/investigators at SHS. In addition to clinical translational research, our combined standard work includes: Mutual participation in strategic recruitment efforts of SH providers and researchers alike, training of MSU medical students, SH residents, SH/MSU M.D./Ph.D. students, improving maternal and infant outcomes, and supporting quality and safety initiatives.

**Research Examples:** Our research work responds to community needs and academic pursuits while enhancing the quality of care, reducing costs of healthcare, and improving the health of women, their infants and children. Examples of the interdependence include:

A. A five year $2.5 million research and demonstration grant titled, “*Demonstration of a Community System of Care for Medicaid Insured Pregnant Women*” from the Agency for Healthcare Research and Quality (AHRQ), grant number: 1R18HS020208-01A1. The project developed and is currently testing a Perinatal Community System of Care for Medicaid Insured Pregnant Women. The project includes multiple partners from Spectrum Health, Priority Health, Arbor Circle, Cherry Street Health Services, Kent County Health Department, Michigan Department of Community Health and other community agencies. Dr. Lee Anne Roman is the principal investigator; Dr. Stephen Rechner is a co-investigator; Healthier Communities Department and Priority Health staff participates in the project under a subaward; and the project data analyst is contracted from SH. The research team also includes MSU researchers: Cristian Meghea, PhD; Zhehui Luo, PhD; and Joseph Gardiner, PhD.

B. Dr. Lee Anne Roman and Dr. Cristian Meghea and their team serve as lead evaluators for Spectrum Health’s Strong Beginnings Kellogg grants.

C. Dr. Roman, Dr. Meghea and team provided research support and data analysis for the recent submission of SH Proposal ($12M) No. 007114B0002930 Partners for Success; for the State of Michigan.

D. Utilization of the SH/MSU health outcomes research for the A3 and redesign of the SH Resident Obstetric Clinic operations.

E. Achieving national recognition by reporting this outcomes research in high impact journals:


F. This work was nationally recognized recently with 2 Awards at the CityMatCH Leadership and MCH (Maternal Child Health) Epidemiology Conference, September 17-19, 2014, in Phoenix, Arizona.

- MOST OUTSTANDING SCIENTIFIC RESEARCH AND DATA ABSTRACT AWARD. For the abstract titled "Effects of a Statewide Medicaid-sponsored Enhanced Perinatal Care Program on Birth Outcomes". Authors included: Lee Anne Roman, MSN, PhD (Department of Obstetrics, Gynecology and Reproductive Biology, Michigan State University); Jennifer Raffo, MA (Department of Obstetrics, Gynecology and Reproductive Biology, Michigan State University); Qi Zhu, MS (SRO Technical Service, University of Michigan); and Cristian Meghea, PhD (Department of Obstetrics, Gynecology and Reproductive Biology and Institute for Health Policy, Michigan State University)

- MOST INNOVATIVE PROGRAM AND POLICY ABSTRACT AWARD. For the abstract/presentation titled "Using the Chronic Care Model to Develop a Population Based System of Care for Medicaid-insured Pregnant Women". Authors included: Lee Anne Roman (Department of Obstetrics, Gynecology and Reproductive Biology, Michigan State University); Jennifer Raffo (Department of Obstetrics, Gynecology and Reproductive Biology, Michigan State University); Susan Henning (Spectrum Health); Dianna Baker (Kent County Health Department); Katherine Penninga (Cherry Street Health Services); Rachel Fox (Arbor Circle); Robert Schnarrs (Spectrum Health); Stephen Rechner (Spectrum Health); Peggy Vander Meulen (Strong Beginnings, Spectrum Health); Cristian Meghea (Department of Obstetrics, Gynecology and Reproductive Biology and Institute for Health Policy, Michigan State University)

G. Clinical translational research using Spectrum Health research specimens and clinical data is ongoing. An example of how this alignment between the clinical and research programs advances research-funding opportunities includes the MSU Special Programs Grant (SPG) submitted by Drs. John Risinger, Nick Canan and Skip Schink, Chief of SHMG Women’s Health service line. This grant entitled “Endometrial Cancer and Survival Cancer Genes” is requesting $500K from the MSU Office of the Vice President of Research and Graduate Studies (OVPRGS).

Since 2008, the departmental research program has grown from two (2) investigators with no academic staff to eleven (11) research faculty and more than twenty (20) academic staff focused on Women’s Health. Central to our core beliefs, women comprise 43% of the research faculty with 60% of those women representing the diverse population that we serve. We are achieving our goal of becoming a national leader in Women’s Health Research by established researchers and aligning clinical investigators working together along the continuum of women’s different life stages and focused research topics ranging from genes to community engagement (Figure 1). Mapping our research program in this way serves several functions. First, it allows me to communicate with our partners, stakeholders, government agencies and the public that our collective research work is consistent with authentic community/bed to bench and back again research. Second, that this developing network has taken time, relationship building and commitment from our partners, which has resulted in making significant discoveries that will inform new drug discovery, implementation of community-based health programs and health policy decisions both locally and nationally. Finally, Investigators in this Department are able to inform each other with new findings in their respective areas that drive new hypothesis suitable for research funding opportunities.
Figure 1. Women’s Health Research Continuum-Scope and Breadth of Department of Obstetrics, Gynecology and Reproductive Biology Research Division. The illustration maps our investigators’ current research focus along the continuum of women’s life course (horizontal axis) and translational science continuum (vertical axis), all of which are interrelated.

The Department’s research is focused on women’s health and disease and the health disparities in the communities we serve. To this end, we have recruited and retained leading researchers to discover new knowledge at the molecular and cellular level that will ultimately change medical treatment for women. Basic science investigators are actively involved in the analysis of molecular pathways that could predict and test therapeutic strategies for patients and create the opportunity to develop personalized medical treatments in the areas of gynecologic cancer, diseases of pregnancy, infertility, and other diseases that afflict women. By conducting health services research focused on women’s health we have changed Medicaid health care policy in Michigan; created a way to educate women of color and ethnic origin to signs and symptoms of cancer, prevention strategies and resources that can improve their chance of survival; and we have given hope to women who experience endometriosis and infertility and knowledge that can improve their chances of conceiving a child.

Central to our performance and achievement is the team approach embedded in the organization, governance and operations of a clinical Department and consistent with our plan from 2009. This approach has paid dividends as evidenced by the recognition of our Department to be in the top 22 of 135 NIH funded Departments of Obstetrics and Gynecology in the country for the last 3 consecutive years. In addition, our research program is supported with funding from the Department of Defense, American Cancer Society, the Agency for Healthcare Research and Quality, the National Cancer Institute, among others. Further, during the 2012-14 academic years our investigators have made significant contributions in high impact journals and presented this prize-winning work at our leading national meetings. Few Departments have achieved this level of funded research and scholarly contribution both in written and spoken form. (Appendix A) Additional metrics to gage our faculty reputation as leaders include; they are or have been members of fourteen (14) NIH, NCS and other governmental study sections or committees. They have acted as editors for ten (10) journals. Faculty
also demonstrate the ability to mentor junior faculty, post-doctoral fellows and graduate students for greater success in obtaining research funding, fine tuning research techniques and lab operation skills, and exposing others to the research environment. Since 2009, Department faculty has mentored thirty-six (36) undergraduate/graduate students, ten (10) post-doctoral fellows and seven (7) junior faculty.

In order to support this research plan, we adopted early on a disciplined strategy for multiple grant cycle submissions and recruited experienced research grant administrators to aggressively manage this approach. It is our experience that qualified Departmental grant administration is required given the increasing complexities of institutional accounting and compliance. During years 1993-2007, the Department submitted thirty-seven (37) grant applications requested $4.7 million, and we were awarded $2.1 million. In contrast, during the 4-year period July 1, 2009 through June 2013, the Department submitted 67 applications requesting over $56 million and were awarded $19.5 million. We currently have 8 applications under review with total costs budgeted at $16 million.

An example of how international relationships can result in meaningful research programs, Dr. Asgi Fazleabas and Dr. Jae-Wook Jeong spent four months (March-July 2013) in the Department of Biomodulation at Seoul National University as World Class University Professors. This program was established in 2008 by the Government of South Korea with a commitment of $825 billion for 5 years. The purpose is to recruit international scholars who process advanced research capabilities to bring innovative research and education opportunities to Korean Universities and their partner Departments. The chosen international faculty serves as part time faculty to conduct academic and research activities. This important collaboration has resulted in multiple research projects, which are seen as important foundational work for future NIH grant applications by the Department.

Since 2009 our goal was to expand our research collaboration/network to include animal sciences in search of novel animal modeling of human disease. We joined leadership from the colleges of Veterinary Medicine, Agriculture and Natural Resources and Ag Bio Research to form the MSU Reproductive and Developmental Sciences Program designed and supported by the Vice President for Research, as well as College and Departmental leadership. The primary purpose is to attract national and international investigators and funding sources in focused and thematic areas of research that spans both campuses. These include: Stem Cell Biology and Regenerative Medicine, Developmental Epigenetics, Women’s Health and Reproduction and Environmental Influences on Reproductive Function. This unique collaboration resulted in the recruitment of Dr. Jose Teixeira and plans to recruit an additional senior PI and 2 junior faculty and has established a high profile research center within the university. Another example of the duo campus research program includes the work of Dr. Lee Anne Roman and her research team that is investigating the clinic model design for the prenatal care of Medicaid beneficiaries and is funded by HHS Agency for Healthcare Research and Quality. This research has brought together, in an unprecedented way, state and local community services, FQHC’s and the Spectrum Health resident clinic to redesign and improve the engagement of our most vulnerable underserved women and their infants. This program has already resulted in 2 high profile manuscripts that have impacted state health care policy for these women.

Research alignment with Spectrum Health has resulted in program synergy evidenced by the individual rankings of the top 20 NIH funded Departments of Obstetrics and Gynecology and US News and World Report (USNWR) Best Gynecology Hospitals. (Figure 3) When both rankings are combined, as an aligned system, we are ranked with the top seven truly preeminent Departments of Obstetrics and Gynecology in the country. This is a very powerful message, that in just 4 years a real example of what was envisioned with the expansion of MSU College of Human Medicine to Grand Rapids is being accomplished.
Figure 3. Current Rankings of MSU CHM Department of Obstetrics, Gynecology and Reproductive Biology and Spectrum Health Gynecology Service Line by NIH Funding and US News and World Report respectively.
Leach, Richard E., M.D., FACOG, FACS
Professor and Chair – Department of Obstetrics, Gynecology and Reproductive Biology, Michigan State University College of Human Medicine
Academic Chair – Department of Obstetrics, Gynecology and Women’s Health, Spectrum Health Systems
Senior Scientist – Spectrum Health

Biography
Dr. Leach is academic chair in the department Obstetrics, Gynecology and Women’s health for Spectrum Medical Group in Grand Rapids, Michigan and Professor of Obstetrics and Gynecology in the College of Human Medicine at Michigan State University. Dr. Leach received his medical degree from Wayne State University School of Medicine, and completed Residency training in Obstetrics and Gynecology at William Beaumont Hospital. He completed his Fellowship in Reproductive Endocrinology and Infertility at the Mayo Clinic in 1990. Dr. Leach is Board Certified in Obstetrics and Gynecology, with subspecialty certification in Reproductive Endocrinology and Infertility. He is a Fellow in the American College of Obstetrics and Gynecology (ACOG), the American College of Surgeons (ACS) and the American College of Clinical Endocrinologists (ACCE). Dr. Leach is a nationally-recognized expert on in-vitro fertilization (IVF) and early implantation, and his research is supported by the National Institute of Health (NIH) to study the causes of infertility.

Research Interests
Dr. Leach’s research focuses on placental biology, and his long term goal is to elucidate the molecular mechanism of placental cell lineage establishment and how this process goes awry in diseases of pregnancy. Further, he is investigating those factors that impact success rates of in-vitro fertilization.

Funding Agencies: National Institute of Child Health and Development, Ethicon, Inc., Mediventures, Genzyme Corporation, Serono Pharmaceuticals, TAP Pharmaceuticals, MDV Technologies, Parke-Davis Pharmaceuticals, National Institute of Academic Anaesthesia
Schink, Julian, M.D., FACOG, FACS  
Professor – Department of Obstetrics, Gynecology and Reproductive Biology, Michigan State University College of Human Medicine  
Chief – Department of Obstetrics, Gynecology and Women’s Health, Spectrum Health Systems  
Senior Scientist – Spectrum Health

Biography  
Dr. Schink is department chief of Obstetrics, Gynecology and Women’s health for Spectrum Medical Group in Grand Rapids, Michigan and Professor of Obstetrics and Gynecology in the College of Human Medicine at Michigan State University. Dr. Schink is board certified in obstetrics and gynecology and in the subspecialty of gynecologic oncology. After earning his medical degree from The University of Texas Health Science Center at San Antonio, Dr. Schink completed his obstetrics and gynecology residency at Northwestern University Medical School in Chicago, and then a fellowship in gynecologic oncology at the University of California, Los Angeles Medical School.

Before joining Spectrum Health and MSU CHM in September of 2013, he served as the associate director for clinical affairs and medical director of the clinical cancer center at the Robert H. Laurie Comprehensive Cancer Center as well as director of the gynecologic oncology program of Northwestern University in Chicago. Dr. Schink is a member of the American College of Obstetricians and Gynecologists, the Society of Gynecologic Oncologists (Vice President 2009, the American Society of Clinical Oncology and the International Gynecologic Cancer Society). He is recognized by Best Doctors in America since 1994 Chicago Super Doctors, 2012 and 2013; Northwestern Medical Faculty Foundation, Physician Clinical Excellence Award For Outstanding Clinical Leadership of a New or Existing Program, 2012; Compassionate Care Award, Northwestern Medicine Women’s Board, 2013; And by the Robert H Lurie Comprehensive Cancer Center for Outstanding Contributions of Medical Leadership in 2013.

Research Interests
Fazleabas, Asgi, Ph.D.
Professor and Associate Chair of Research – Department of Obstetrics, Gynecology and Reproductive Biology, Michigan State University College of Human Medicine
Senior Scientist – Spectrum Health

Biography
Dr. Asgi Fazleabas received his B.S. degree from California State University, Fresno and his Ph.D. in Reproductive Physiology from the University of Illinois at Urbana-Champaign. Following his post-doctoral training in Reproductive Biology/Cell and Molecular Biology at the University of Florida in Gainesville he joined the Department of Obstetrics and Gynecology at the University of Illinois at Chicago, where he held the rank of Professor and Director of the Center for Women’s Health and Reproduction until October 2009. He is currently a Professor and Associate Chair in the Department of Obstetrics, Gynecology and Reproductive Biology, and Director of the Center for Women’s Health Research and Co-Director of the Reproductive and Developmental Sciences Program at Michigan State University.

Research Interests
Dr. Fazleabas investigates the intimate dialogue that occurs between the developing embryo and the uterus, which is critical for the establishment of pregnancy. His primary focus is to understand how disease, such as endometriosis, disrupts this communication and leads to infertility. His laboratory was the first to demonstrate the importance of hCG (the hormone that is measured in pregnancy tests) in this communication, as well as identifying mechanisms that do not allow the uterus to respond appropriately to progesterone (the hormone of pregnancy) as a consequence of endometriosis and probably other gynecological diseases.

Risinger, John, Ph.D.
Professor and Director, Division of Gynecologic Oncology Research – Department of Obstetrics, Gynecology and Reproductive Biology, Michigan State University College of Human Medicine
Senior Scientist – Spectrum Health

Biography
Dr. John Ian Risinger completed a Ph.D. in 1997 at the University of North Carolina at Chapel Hill, in Molecular Biology and Genetics. Prior to that, he received a B.S. degree in Biology from Albright College, Reading PA in 1987, and an M.S. in Biology from The University of Virginia, Charlottesville VA in 1989. Following his Ph.D., he was an intramural Scientist in the Laboratory of Biosystems and Cancer at the National Cancer Institute, National Institutes of Health, Bethesda, MD. Dr. Risinger accepted a distinguished cancer scholar position from the State of Georgia and became the Director of the Program of Women’s Cancers at the Curtis and Elizabeth Anderson Cancer Institute (part of Memorial Health University Medical Center), and an Associate Professor of Obstetrics and Gynecology and Basic Medical Sciences at Mercer University, Savannah GA.

He is currently an Associate Professor and Director of Gynecologic Oncology Research in the Department of Obstetrics, Gynecology and Reproductive Biology in the College of Human Medicine at Michigan State University. Dr. Risinger is a partnered member of The Department of Defense Gynecologic Cancer Center of Translational Research Excellence.

He is best known for identifying microsatellite instability and DNA mismatch repair defects in endometrial cancers. This discovery paved the way to a test for determining hereditary cancer risk in certain cancer patients.

Research Interests
Dr. John Risinger focuses on understanding the defects that lead to endometrial and ovarian cancer, with the hope of being able to detect earlier or treat these cancers.

Funding Agencies: National Institute for Health, Department of Defense Gynecologic Cancer Center of Excellence, Ovarian Cancer Research Fund, Mary Kay Ash Charitable Foundation, Georgia Cancer Coalition
Teixeira, Jose, Ph.D.
Professor – Department of Obstetrics, Gynecology and Reproductive Biology,
Michigan State University College of Human Medicine
Senior Scientist – Spectrum Health

Biography
Dr. Jose Teixeira received his B.S. in 1986 from the Massachusetts Institute of Technology and his Ph.D. in 1994 from the University of Massachusetts Medical School. Following his post-doctoral training at Massachusetts General Hospital and Harvard Medical School in Boston, MA, he was appointed as an Assistant Professor. He then became an Investigator in the Vincent Center for Reproductive Biology with the rank of Associate Professor in the Department of Obstetrics, Gynecology and Reproductive Biology at Massachusetts General Hospital and Harvard Medical School. He was also a Principal Investigator in the Harvard Stem Cell Institute, and an affiliate member of both the MGH Cancer Center and the Dana Farber Harvard Cancer Center. He is currently a Professor in the Department of Obstetrics, Gynecology and Reproductive Biology in the College of Human Medicine at Michigan State University.

Research Interests
Dr. Jose Teixeira is interested in studying reproductive tract and gonadal developmental and complementary studies directly related to women’s health and reproduction. Dr. Teixeira’s laboratory focuses on uterine fibroid development and progression and ovarian and uterine cancer. He has developed mouse models to study early events in the progression of these diseases with the ultimately goal of identifying the mechanisms involved for possible therapeutic intervention.

Funding Agency: National Institute for Health
Industry Contacts: Bayer AG (Germany), CellCura ASA (Norway)
Jeong, Jae-Wook, Ph.D.
Associate Professor – Department of Obstetrics, Gynecology and Reproductive Biology, Michigan State University College of Human Medicine
Senior Scientist – Spectrum Health

Biography
Dr. Jae-Wook Jeong received his B.S. degree and his Ph.D. from Korea University, South Korea. Following his post-doctoral training at the Department of Molecular and Cellular Biology, Baylor College of Medicine in Houston, Texas, he held the rank of Assistant Professor at Baylor College of Medicine. He is currently an Associate Professor in the Department of Obstetrics, Gynecology and Reproductive Biology at Michigan State University.

Research Interests
Dr. Jae-Wook Jeong’s interests in research are relating to women's health, particularly infertility and cancer using genetically-engineered mouse models. Dr. Jeong’s other areas of interests are gynecologic oncology, uterine biology, maternal fetal interactions, endometriosis and adenomyosis.

Funding Agencies: National Institute for Health, American Cancer Society, National Research Foundation of Korea (Ministry of Education, Science and Technology), The Lalor Foundation
Roman, Lee Anne, Ph.D.
Associate Professor – Department of Obstetrics, Gynecology and Reproductive Biology, Michigan State University College of Human Medicine
Senior Scientist – Spectrum Health

Biography
Lee Anne Roman received her BSN and MSN nursing degrees, and her Ph.D. from Michigan State University. She is an Associate Professor in the Department of Obstetrics, Gynecology, and Reproductive Biology at Michigan State University.

Research Interests
Dr. Roman conducts maternal/child health and disparities research in Medicaid-insured families. She collaborates with multiple partners including health systems, health departments, community agencies, and the state health department. She led a team of researchers, policymakers, and practitioners, using state warehouse data, to redesign the Michigan Maternal and Infant Health Program (MIHP) and has conducted a quasi-experimental study of the program. She currently leads a five year Agency for Healthcare Research and Quality research demonstration project to develop and test a county population perinatal system of care. She is conducting a rigorous quasi-experimental study of Strong Beginnings, a federal Healthy Start program which utilizes Community Health Workers.

Funding Agencies
Agency for Healthcare Research and Quality (AHRQ); Michigan Department of Community Health (MDCH); Health Resources and Services Administration (HRSA) Federal Healthy Start through Spectrum Health, Grand Rapids, MI; Strong Beginnings Program (Kellogg Foundation)
Meghea, Cristian I., Ph.D.
Assistant Professor – Department of Obstetrics, Gynecology and Reproductive Biology, Michigan State University College of Human Medicine

Biography
Dr. Cristian I. Meghea is an NIH-funded Assistant Professor with a joint appointment in the Department of Obstetrics, Gynecology and Reproductive Biology, and the Institute for Health Policy at Michigan State University. Following his Economics Ph.D. graduation from Maxwell School of Syracuse University he joined the American College of Radiology for two years as Senior Researcher. He is at Michigan State University since 2006. His expertise is in maternal and child health, health services research, global health, and health economics.

Research Interests
Dr. Meghea’s research focuses on using the prenatal and perinatal period as a window of opportunity to improve the long-term health of mothers and their children. He brings quantitative skills and data analysis expertise to this field of research. Dr. Meghea was recently awarded a 5-year K01 career development award from National Institutes of Health for an intensive, mentored research career development experience in Romania leading to an independent research career focused on global health. Another ongoing project led by Dr. Meghea analyzes the effectiveness of the Medicaid enhanced prenatal services (EPS) program in Michigan using quasi-experimental methods. Other ongoing projects (Co-I) include a five-year AHRQ-funded demonstration redesigning the community system of care for Medicaid-insured pregnant women, and a project addressing racial disparities in birth outcomes and infant health (W.K. Kellogg Foundation). Dr. Meghea is also a Co-I on a NIH-funded project testing the effectiveness of a community based intervention to improve cancer screening in Black, Latina, and Arab women through increased cancer literacy.

Funding Agencies
National Institutes of Health (NIH), Agency for Healthcare Quality (AHRQ), W.K. Kellogg Foundation
Appendix A  
Department of Obstetrics and Gynecology Academic Progress Report  
July 2012 - June 2013  

I. Publications  
A. Peer Reviewed Manuscripts  


11. Lee CH, **Kim TH**, Lee JH, Oh SJ; Yoo JY, Kwon HS, Ferguson S, Ahn JY, Ku BJ, **Fazleabas AT**, Lim JM, **Jeong JW**. (2013). Extracellular Signal-regulated Kinase 1/2 Signaling Pathway is Required for Endometrial Decidualization in Mice and Human. PLOS ONE. In Press


27. Davis BJ, Risinger JI, Chandramouli GV, Bushel PR, Baird DD, Peddada SD. (2013) Gene Expression in Uterine Leiomyoma from Tumors Likely to be Growing (from black women over 35) and Tumors Likely to be Non-Growing (from white women over 35). PLoS One. 8(6):e63909. PMID: 23785396


B. Book Chapters


C. Abstracts and Presentations

1. Tae Hoon Kim, Hong Im Kim, Michael J. Large, Russell R. Broaddus, John P. Lydon, Jae-Wook Jeong. (2012) Overexpression of Mig-6 suppresses endometrial cancer development and progression in ablation of Pten mice. American Association for Cancer Research (AACR) Annual Meeting. Chicago, IL


4. Seo Jin Oh, Jung-Ho Shin, Tae Hoon Kim, Russell R. Broaddus, Makoto M. Taketo, John P. Lydon, Richard Leach, Bruce A. Lessey, Asgerally T. Fazleabas, Jeong Mook Lim, and Jae-Wook Jeong. (2012) WNT/β-catenin signaling contributes to pathogenesis of adenomyosis through epithelial-mesenchymal transition. The 3rd annual scientific meeting from Michigan Alliance of Reproductive Science and Technology (MARTS), Detroit, MI (Best Oral Presentation Award)


7. Tae Hoon Kim, Hong Im Kim, Michael J. Large, Russell R. Broaddus, John P. Lydon, and Jae-Wook Jeong. (2012) The effects of overexpression of Mig-6 on endometrial cancer development and progression in conditional uterine ablation of Pten mice. 4th Illinois Symposium on Reproductive Science (ISRS), Chicago, IL


15. Xilong Li, Rainer Lanz, Jae-Wook Jeong, Steven Young, Bruce Lessey, Sophia Tsai and Francesco J. DeMayo. (2013) COUP-TFII regulates human endometrial stroma genes involved in inflammation. NIH SCCPIR Research Meeting, Bethesda, MD


22. Bruce A. Lessey, Steven L. Young, C. Tayade, Jung Yoon Yoo, Jae-Wook Jeong, and Asgerally T. Fazleabas. (2013) Inflammatory and angiogenic responses altered in decidualized endometrial stroma from women with endometriosis. ASRM Annual Meeting, Boston, MA (Oral presentation)


26. Y. Sangeeta Devi, Chowdhary A., Ferguson S., Joshi N., Olson M., Shehu A., Gibori G and Fazleabas A.T. (2012) 17 Beta Hydroxysteroid Dehydrogenase Type 7, a Key Enzyme in Estradiol Biosynthesis, is Highly Expressed in Cell Specific Manner in Endometriosis. The Endocrine Society's 94th Annual Meeting, Houston, TX, USA


58. Raffo JE, Meghea CI, Rechner S, Roman LA. (2013) Utilization of health and community services among pregnant women enrolled in Medicaid. American Public Health Association 141st Annual Meeting and Exposition, November 2-6, 2013, Boston, MA


July 2013 – June 2014

I. Publications

A. Peer Reviewed Manuscripts


**B. Book Chapters/Books**


C. Abstracts and Presentations


5. A.T. Fazleabas. (2014) Invited Speaker and Organizing Committee Member, 1st Ovarian Cancer Consortium, University of Oklahoma Stephenson Cancer Center, Oklahoma City, OK. February 2014.


7. A.T. Fazleabas. (2014) Billie A. Field Memorial Lecturer, University of Illinois College of Veterinary Medicine, Urbana-Champaign, IL. April 2014.


27. Jung-Yoon Yoo, Tae Hoon Kim, Hong Im Kim, Jane Li, Gordon B. Mills, Russell R. Broaddus, John P. Lydon, Ho-Geun Yoon, Jae-Wook Jeong (2014) Mig-6 suppresses development and progression of endometrial cancer by inhibiting ERK2 phosphorylation at the American Association for Cancer Research (AACR) Annual Meeting 2014, San Diego, CA.


33. Maurer J. (2013) Admissions Updates at the College of Human Medicine, oral presentation with Brian Ulrich at the Michigan Pre-Professional Advisors Fall Conference, Secchia Center, September 27, 2013.


70. **Tae Hoon Kim**, Jung-Yoon Yoo, Hong Im Kim, Jane Li, Gordon B. Mills, Russell R. Broaddus, John P. Lydon, Ho-Geun Yoon, and **Jae-Wook Jeong** (2013) Overexpressed *Mig-6* suppresses endometrial tumorigenesis in uterine *Pten* ablated mice via regulating ERK signaling. 2nd Annual MSU Conference on Women’s Health Research, East Lansing, MI.


59. **Teixeira JM.** (2014) Center for Reproductive Sciences, Feinberg School of Medicine, Northwestern University, Chicago, IL.


62. **Teixeira JM.** (2014). Department of OB/Gyn and Reproductive Sciences, Yale School of Medicine, New Haven, CT.


