

Winston E. Thompson, Ph.D.
Chairperson, Department of Physiology, Morehouse School of Medicine

Dr. Winston E. Thompson is a professor in the department of obstetrics and gynecology at Morehouse School of Medicine (MSM) in Atlanta, Ga. He received his bachelor's degree in biology from Lafayette College, Easton, Penn., in 1986. In 1988, he received his master's degree in endocrinology from Rutgers University, New Brunswick, N.J. Following his career goal of becoming a research scientist, in 1993 he received a joint doctorate degree in cell and developmental biology from Rutgers University and the University of Medicine and Dentistry of New Jersey, Piscataway, N.J. In 1993, Dr. Thompson joined the faculty of the department of cell biology as a postdoctoral fellow in the laboratory of Everett Anderson, Ph.D., James Stillman professor of comparative anatomy and professor of cell biology at Harvard Medical School.

He was named chairperson of MSM's department of physiology, effective July 1, 2014. In addition, he is director of research in the department of obstetrics and gynecology and director of MSM's Research Centers in Minority Institutions Program (RCMI) G12 Multidisciplinary Biomedical Research Center (G12/MBRC) Mentoring Academy Program. This Mentor Academy serves as an institutional resource that will contribute to mentorship and mentorship development for all training programs. He is also a member of the American Society for Cell Biology Minority Affairs Committee (ASCB-MAC) and on the board of directors for the Society for the Study of Reproduction (SSR). Most recently, he was selected to serve as a member of the National Academies' Committee on Review of Army Research Laboratory Programs for Historically Black Colleges and Universities and Minority Institutions (HBCUs/MIs). This committee will provide guidance that promises to be useful to the army and to other Department of Defense (DOD) agencies with programs that support science, technology, engineering, and mathematics (STEM) programs at HBCUs/MIs.

Dr. Thompson has received extensive training in *in vivo* and *in vitro* studies on the ontogeny, physiology, biochemistry and molecular aspect of rodent ovarian biology in the laboratory of Dr. Everett Anderson, James Stillman professor of comparative anatomy and professor of cell biology at Harvard Medical School. He also was trained as an embryologist at the world-renowned Marine Biological Laboratories, Wood Hole, Mass. Dr. Thompson has extensive practical experience in viral technologies for force expression and vector base gene silencing, gene expression analysis both at the transcriptional and translational levels, as well as in protein-protein interactions and general molecular biology technologies. He has served on a number of study sections from National Institutes of Health (NIH) and DOD (RO1, RO3, U54, U01, F30, F31, F32, F33 and DOD Breast Cancer Program and HBCU/MI Reviewer). He has also served as a faculty mentor in the National Institute of Child Health and Human Development (NICHD) Aspen Conference on Maternal-Fetal-Neonatal-Reproductive Medicine.

He is a highly-respected, NIH-funded (R01 and U01) basic science investigator in the field of women reproductive health and infertility. Dr. Thompson is a seasoned scientist who has directed multidisciplinary, multi-investigator research teams and has a strong track record of establishing effective inter-institutional partnerships. Most noted partnerships include the cooperative reproductive science research center, Atlanta Center for Translational Research on Endometriosis ([ACTRE](#)), and Stem Cell Biology Training Course (partnership with Gerald Schatten, University of Pittsburgh Magee-Womens Research Institute and Provost James Wyche from Howard University). Dr. Thompson research is continuously funded by various agencies like the NIH, NICHD, National Center for Research Resources (NCRR), DOD, since 1997. Dr. Thompson is committed to the diversification of the workforce through research and education and as such, he has mentored students at all levels, from mid-school (Benjamin Carson Summer Program) and high school (Vivian Thomas Summer Program at MSM) to undergraduate from Morehouse College, Spelman College, Clark Atlanta University and Morris Brown College in the [Minority Biomedical Research Support](#) (MBRS) and [Minority Access to Research Careers](#) (MARC) Programs as well as graduate, postdoctoral fellows and junior faculty.