



Microbiology, Immunology & Biochemistry Department
Natural Products Research Center

Leadership Profile – Biochemist, Researcher, Teacher



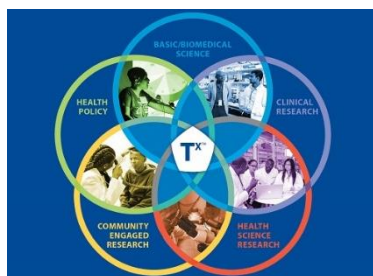
Morehouse School of Medicine (MSM), located in Atlanta, Ga., was founded in 1975 as the Medical Education Program at Morehouse College. In 1981, MSM became an independently chartered institution. MSM is among the nation’s leading educators of primary care physicians and was recently recognized as the top institution among U.S. medical schools for its social mission. Faculty and alumni are noted in their fields for excellence in teaching, research and MSM is accredited by the Accreditation Council for Continuing Medical Education, Accreditation Council for Graduate Medical Education, Council on Education for Public Health, Liaison Committee on Medical Education and Southern Association of Colleges and Schools.

MSM Mission

We exist to:

- Improve the health and well-being of individuals and communities
- Increase the diversity of the health professional and scientific workforce
- Address primary health care through programs in education, research, and service with emphasis on people of color and the underserved urban and rural populations in Georgia, the nation, and the world.

Our vision is to lead the creation and advancement of health equity



T^x™: An Approach and Philosophy to Advance Translation to Transformation

Position Summary

In support of Morehouse School of Medicine's Vision; "Leading the creation and advancement of health equity," the Department of Microbiology, Biochemistry, and Immunology (MBI) is seeking an Assistant or Associate Professor for a minimum 12-month appointment. Morehouse School of Medicine (MSM) is developing a Natural Products Research Center (NPRC), which will focus on biological and biochemical research aimed at identifying, validating, and developing therapies from plant products. The NPRC is establishing a new area of research around medical cannabis and the endocannabinoid system. Hence, the successful candidate will be expected to work with existing and future NPRC faculty and staff, to teach and train students in biochemistry, and metabolite analysis, while developing or maintaining their own independent, yet collaborative, research program. Thus, we are seeking a candidate with (i) expertise in the endocannabinoid system and (ii) the background in this system to build this new area at MSM. Preferred linked broad research areas that already exist at MSM are: cancer, infectious diseases, neurology, or cardiometabolic disease. Finally, familiarity with, and/or experience using, current bioinformatic methods to analyze and visualize data (e.g., proteomic, metabolomic, lipidomic) is important.

The Department of Microbiology, Biochemistry, and Immunology (MBI) has a national and international network allowing a wide array of, and ample opportunities for collaboration in multiple research areas. These areas include immunology, drug development, genomics, complementary & integrative health, natural product-based research, cancer, and infectious diseases including virology, protozoology, and bacteriology. MSM has renovated core facilities providing both basic shared-use equipment as well as specialized services such as microparticle analysis, zebra fish development, and advanced imaging facilities.

Faculty members have additional access to core facilities as part of (i) the Georgia Clinical Translational Science Academy ([URL-https://georgiactsa.org/](https://georgiactsa.org/)), (ii) the Georgia Core Facilities Partnership, which links many intensive research institutions across Georgia allowing access across the partnership to their core facilities, and (iii) the RCMITranslational Research Network (<https://www.rtrn.net/>) which is a collaborative organization of 18 minority serving institutions across the US. These resources obviously contribute to the outstanding research environment and provide a wide range of opportunities for collaborative research within MSM, and our regional partners.

Minimum Qualifications

- PhD or MD with strong research background in a biochemistry, analytical chemistry, and/or medicinal chemistry in the endocannabinoid system.
- Must either have or be already developing a successful, externally funded research program.
- Documented experience teaching Biochemistry at the graduate level.
- Demonstrated commitment to mentoring demographically diverse and/or underrepresented minority students.
- Documented experience working in a team science environment.

Preferred Qualifications

Strong background in biochemistry and analytical chemistry. Preference will be give to: (1) candidates specifically focused in lipid-based molecules (endocannabinoids) as chemical messages; (2) those having expertise in and/or interest in isolating, identifying and characterizing molecules from plants, bacteria, viruses, or fungi with therapeutic potential.

You will be a member of these teams

Department of Microbiology, Biochemistry & Immunology (MBI)

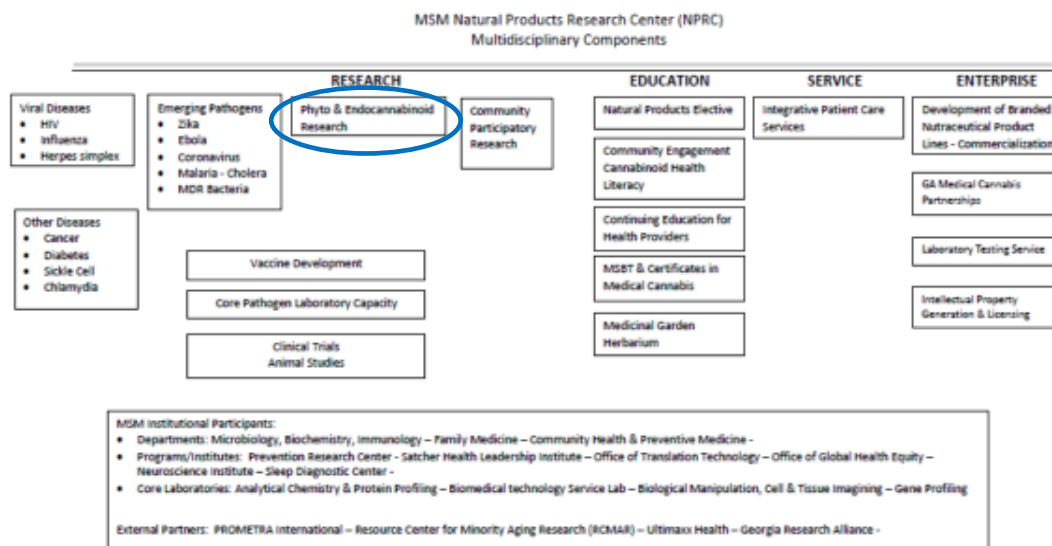
The Microbiology, Biochemistry & Immunology (MBI) department, the largest basic science department in the institution, has a unique and diverse faculty with an unprecedented sense of collaboration both within and outside of the department. MBI faculty members participate in training the next generation of physicians and research scientists, as well as in mentoring the current generation of junior faculty. They also actively participate in the governance of the institution as well as in service to the larger academic community. <https://www.msm.edu/Education/microbiology/index.php>

MBI Faculty members conduct research into areas including (Infectious Diseases) cholera pathogenesis, chlamydia infections, immunoregulation, immunomodulation and vaccine development, neuropathogenesis of parasitic diseases, HIV pathogenesis, MRSA and pediatric infectious diseases; cancer biology and reproductive immunology, immunobiology of cancer, development of in silico and in vivo methods to develop cancer biologics, humanized antibodies, vaccines, and nanoparticles, natural products as treatments for cancer; altered metabolism and nutritional deficiencies of disease.

Natural Products Research Center (NPRC)

MSM is developing a Natural Products Research Center, a state of the art global center that integrates education, Tx research and service to advance translational discoveries and innovation in the areas of natural product research. It is a multidisciplinary, multidepartment Center supported by MSM Cores and located within the MSM Innovation Center. We expect this faculty member to provide leadership within the phyto and endocannabinoid division of the NPRC.

NPRC Mission Statement – The MSM NPRC Center will conduct natural product research including characterization and validation of natural products and expand knowledge on usage of traditional medicine through: establishing lab infrastructure and expertise for analyzing natural products, establishing an educational resource for training healthcare professionals of all kinds, providing resources to inform the community of natural products, providing scientifically proven traditional (CAM) medicine to the community as a part of an overall healthcare strategy, and influencing healthcare policy related to these topics.



MSM Centers & Institutes

MSM is home to world-renowned centers and institutes: The Cardiovascular Research Institute; The Center of Excellence on Health Disparities; The National Center for Primary Care; The Neuroscience Institute (NI); Prevention Research Center (PRC); and The Satcher Health Leadership Institute (SHLI). MSM's research stature and reputation have grown exponentially over the last decade, fueled in large part by significant investments in our research infrastructure with funding from the National Institute of Health (NIH), Health Resources and Services Administration (HRSA), the Centers for Disease Control and Prevention, the Georgia Research Alliance, foundations and others. MSM has been ranked number one in social mission of US medical schools.

MSM awards Doctor of Medicine, Doctor of Philosophy in Biomedical Sciences (Ph.D.), Master of Public Health (M.P.H.), Master of Science in Physician Assistant Studies (MSPAS), Master of Science in Medical Sciences (MSMS), Master of Science in Biomedical Research (MSBR), Master of Science in Clinical Research (MSCR), Master of Science in Biomedical Technology (MSBT), and Master of Science in Neuroscience (MSNS) degrees.

Leadership Profile – Biochemist, Researcher, Teacher

The candidate will serve as a senior/lead researcher to work with existing and future NPRC faculty and staff, to teach and train students in biochemistry, and metabolite analysis, while developing or maintaining their own independent, yet collaborative, research program.

We are looking for a leader to join our team with these additional qualifications:

- Cannabinoid and endocannabinoid expertise
- Global visionary thinker with demonstrated ability to develop and implement impactful programs.
- Ability to represent MBI and NPRC on national and international stages, and to communicate to a wide range of constituents in a compelling way.
- Demonstrated ability to translate concept to action.
- Demonstrated problem-solving skills, including the ability to develop novel approaches.
- Sound judgment and the ability to make clear decisions regarding complex, multidimensional issues, based on both facts and an understanding of contextual and political factors.
- Demonstrated knowledge and grasp of systems change and the ability to orchestrate the levers of change.
- Capacity to effectively conduct and use research and evaluation.
- Demonstrated risk-taking and flexibility, with a high tolerance for ambiguity.
- Demonstrated organizational, administrative and management skills.
- Team-effectiveness skills and the ability to use interpersonal and political skills in cooperative, collaborative, and diplomatic ways.
- Demonstrated ability to integrate knowledge and learning.
- Demonstrated effectiveness in written and oral communication.
- Cultural competency in working with other nations and cultures
- Fundraising – successful grant writing expertise

MSM Leadership

Valerie Montgomery Rice, MD, FACOG, is the sixth president of Morehouse School of Medicine (MSM) and the first woman to lead the freestanding medical institution, Montgomery Rice serves as both the president and dean. A renowned infertility specialist and researcher, she most recently served as dean and executive vice president of MSM, where she has served since 2011. Dedicated to the creation and advancement of health equity, Montgomery Rice lends her vast experience and talents to programs that enhance pipeline opportunities for academically diverse learners, diversifies the physician and scientific workforce, and fosters equity in health care access and health outcomes.



Dr. Vincent Bond, is professor and chairman of the Microbiology, Biochemistry & Immunology (MBI) and Principal Investigator, Research Centers in Minority Institutions (RCMI) . He has dedicated nearly thirty years to better understanding HIV/AIDS locally in Atlanta, in the US and abroad. For the last ten years, Dr. Bond's lab work has focused on understanding the trigger molecules and mechanisms involved in HIV-induced pathogenesis that leads to AIDS. This position will report directly to Dr. Vincent Bond.

HOW TO APPLY

To apply for this position, you must complete the online application and submit the documentation specified in the Required Documents section. To formally apply please click and use this site <https://careers.msm.edu/postings/9914>

As an Equal Opportunity / Affirmative Action Employer, Morehouse School of Medicine will not discriminate in its employment practices due to an applicant's race, color, creed, religion, sex (including pregnancy, childbirth or related medical conditions), sexual orientation, gender identity or expression, transgender status, age, national origin, marital status, familial status, citizenship, physical and mental disability, criminal record, genetic information, predisposition or carrier status, status with respect to receiving public assistance, domestic violence victim status, a disabled, special, recently separated, active duty wartime, campaign badge, Armed Forces service medal veteran, or any other characteristics protected under applicable law. Morehouse School of Medicine will not discharge or in any other manner discriminate against employees or applicants because they have inquired about, discussed, or disclosed their own pay or the pay of another employee or applicant.

We look forward to receiving your application and understanding your interest in joining our MSM team.

