

Dr. Samuel M. Nabrit

Conference for Early Career Scholars

An inclusive event for molecular life scientists
August 2 - 3, 2021



MONDAY, AUGUST 2

1:00-1:10 p.m. MCB Department Chair's Welcome and Introductions

Kimberly Mowry, Ph.D.

Biographical sketch of Dr. S.M. Nabrit - Abigail Brown

1:10-2:10 p.m. Invited Research Talks

Moderator: Alison DeLong, Ph.D.

Ricardo Martínez Zamudio, Ph.D. Rutgers New Jersey Medical School Cancer Center
Senescence-associated β -galactosidase-assisted identification and characterization of senescent CD8⁺ T cells in aging humans

Saria McKeithen-Mead, Massachusetts Institute of Technology
Mistimed integration of an integrative and conjugative element leads to death in naïve bacterial hosts

Michael Sennett, Brandeis University
Validating phylogenetic model hyperparameters by predicting extant sequences

2:20-3:55 p.m. Panel Discussion

Moderator: Christopher Rose, Ph.D.

Navigating your Career Path: Tips from Stand-out Early Career Scientists

Panelists: Ishmail Abdus-Saboor, Ph.D. Columbia University
David Johnson, Cold Spring Harbor University
Carolina Mejia Peña, Brown University
Catalina Pereira, Ph.D. Cornell University

4:00-5:00 p.m. Invited Research Talks

Moderator: Mark Johnson, Ph.D.

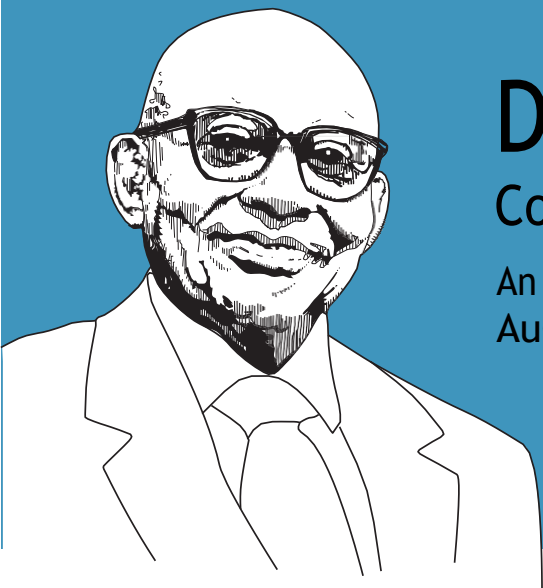
Titilola Kalejaiye, Ph.D. Duke University
Direct reprogramming of human somatic cells into kidney glomerular podocytes

Stephany Foster, Brown University
*Inductive germ line development in the sea star, *Patiria miniata**

Concluding Remarks

TUESDAY, AUGUST 3

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- 1:00-2:05 p.m. Invited Research Talks Moderator: Alison DeLong, Ph.D.
- Christopher Robles, University of California, Los Angeles
The impact of Neanderthal admixture on the genetic architecture of complex traits in present-day Europeans
- Alicia Minor, Brown University
Identifying potent combinations of angiogenic factors to engineer cardiac regenerative therapies
- Ishmail Abdus-Saboor, Ph.D. Columbia University
Skin-brain circuit for pleasurable touch and sexual receptivity
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- 2:15-2:55 p.m. Invited Research Talks Moderator: Mark Johnson, Ph.D.
- Vanessa Cota, Princeton University
Fission and PINK-1-mediated mitophagy are required for Insulin/IGF-1 signaling mutant reproductive longevity
- Earnest Taylor, Ph.D. UNC Chapel Hill
Chondrocytic and pharmacokinetic properties of Phlpp inhibitors
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- 3:00-5:00 p.m. Panel Discussion Moderator: Amanda Elyssa Ruiz
- Leading Early - Developing Leadership Skills at Each Career Stage*
- Panelists: Antenor O. Hinton Jr., Ph.D. Vanderbilt University
Ricardo Martínez Zamudio, Ph.D. Rutgers NJ Medical School Cancer Center
Melanie Morales Aquino, Brown University
Dominique Pablito, Brown University
- Concluding Remarks



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Dr. Samuel Milton Nabrit

1905-2003

An accomplished marine biologist with a distinguished international career, Samuel Milton Nabrit was Brown University's first African-American Ph.D. recipient and first African-American trustee. Dr. Nabrit's scientific papers remained influential for many years and are still cited today in journals including *Regeneration*, *Mechanisms of Development*, and *Developmental Cell*; he also published a number of important papers on graduate and professional education for African Americans. A 1925 graduate of Morehouse College, he studied regeneration in fish tail fins in the doctoral program in biology at Brown and at the Marine Biological Laboratory in Woods Hole, Massachusetts. Dr. Nabrit served as a professor of zoology and then chair of the biology department at Morehouse from 1932 to 1947. He became dean of the graduate school of arts and sciences at Atlanta University in 1947, as well as a member of the Marine Biological Laboratory Corporation. In 1955 Dr. Nabrit was named the second president of Texas Southern University. He served in a number of national and international roles, including a special ambassadorship, membership on the National Science Board, the Atomic Energy Commission, and the Institute of Medicine (now the National Academy of Medicine), as well as leadership roles in Upward Bound and the Southern Fellowship Fund.

Organizing Committee

Missy Berry, Abigail Brown, Alison DeLong Ph.D., Phyllis Dennerly M.D., Mark Johnson Ph.D., Carolina Mejia Peña, Melanie Morales Aquino, Amanda Elyssa Ruiz, Sarah Shipley

Sponsors

Brown's Office of Institutional Equity and Diversity, the Office of the Provost, the Graduate School, the Office of Graduate and Postdoctoral Studies, the Brown Center for the Molecular Biology of Aging, the Brown/HHMI STEM Initiative, and the MCB Department.