



Dr. Samuel M. Nabrit

Conference for Early Career Scholars

An inclusive event for molecular life scientists
June 16 - 17, 2022



BROWN

Thursday, June 16

2:00-2:20 p.m.	MCB Department Chair's Welcome and Introductions Walter Atwood, Ph.D. Biographical sketch of Dr. S.M. Nabrit Abigail Brown, Ph.D.	Salomon 101
2:20-3:20 p.m.	Opening Keynote Address Alexis Stranahan, Ph.D. (Augusta University) <i>Basic mechanisms and personal experience with the brain's response to stress</i>	Salomon 101
3:30-4:30 p.m.	Invited Research Talks Moderator: Alison DeLong, Ph.D. Valerie Tornini, Ph.D. (Yale University) <i>Big roles for tiny peptides in vertebrate neurodevelopment</i> Alexandra Powell (Texas A&M University College of Medicine) <i>Classical complement pathway evasion mechanisms utilized by lyme disease and relapsing fever Borrelia</i> Pamela Rios Coronado (Stanford University) <i>Challenging traditional cell fate decisions during coronary artery development</i> John Santiago, Ph.D. (Brown University) <i>Gene expression correlation analysis of livers undergoing normothermic machine perfusion identifies potential predictive biomarkers of liver functional capacity.</i>	Salomon 101
4:30-5:45 p.m.	Reception	Salomon Lobbies

Friday, June 17

9:00-10:00 a.m.	Morning Welcome and Invited Research Talks	Salomon 101
	Moderator: Alison DeLong, Ph.D.	
	Karina Vargas, Ph.D. (Marine Biological Laboratory) <i>Alpha-Synuclein participates in clathrin-mediated SVE through regulation of AP2 complex.</i>	
	Novalia Pishesha, Ph.D. (Harvard University) <i>Engineering the modularity of an alpaca-derived single domain antibody fragment that targets Class II MHC to induce antigen-specific tolerance</i>	
	Ines Patop (Brandeis University) <i>The splicing factor MBL forms a self-regulatory circuit by modulating back splicing in a cell type and isoform specific mechanism</i>	
	Earnest Taylor, Ph.D. (University of North Carolina) <i>Age and oxidative stress regulate NRF2 homeostasis in human articular chondrocytes</i>	
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10:10-11:30 a.m.	The UNC Chancellor's Science Scholars Program: How modeling inclusive excellence can lead to institutional transformation	Salomon 101
	Moderator: Stacey Lawrence, Ph.D. (Senior Associate Director for STEM Initiatives Sheridan Center for Teaching & Learning)	
	Panelists: Thomas C. Freeman, Ph.D., Executive Director, UNC Chancellor's Science Scholars Program Gabrielle Whiten, CSS 2/UNC 2018, Ph.D. candidate in Pharmacology at NYU Kyle Oliveira, CSS 4/UNC 2020, Ph.D. student in Marine Science at the University of Maine Richard Superfine, Ph.D., Taylor-Williams Distinguished Professor, Chair of the Department of Applied Physical Sciences, UNC	
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11:30 a.m.-12:30 p.m.	Poster Session	Salomon Lobbies
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12:30-1:45 p.m.	Lunch and informal poster viewing	Salomon Lobbies

Friday, June 17 continued

1:45-2:45 p.m.	Invited Research Talks Moderator: Michelle Dawson, Ph.D. Saria McKeithen-Mead, Ph.D. (MIT) <i>Mistimed integration of an integrative and conjugative element leads to death in naïve bacterial hosts</i> Zer Vue, Ph.D. (Vanderbilt University) <i>3D Reconstructions of mouse skeletal muscle reveal a decrease in the MICOS complex and altered mitochondrial networks</i> Chyna Gray (Brown University) <i>Promoting tolerance: A compelling role for VISTA in CD4+ treg- mediated sepsis mortality</i> Elif Tunc-Ozcan, Ph.D. (Northwestern University) <i>Hippocampal neuronal activity and BMP signaling in antidepressant action</i>	Salomon 101
2:55-4:15 p.m.	Pandemic Perspectives on Research Training : What to Keep, What to Retire Moderators: Miles Mundy and Carolina Mejia Peña, Ph.D. Panelists: Chyna Gray (Brown University) John Hernandez, Ph.D. (Brown University) Saria McKeithen-Mead, Ph.D. (MIT) Pam Rios Coronado (Stanford University)	Salomon 101
4:30-4:50 p.m.	Joint Session with New England Regional SACNAS Meeting Welcome, opening remarks and blessing	Salomon 101
4:55-6:00 p.m.	Keynote Address Kristy Red-Horse, Ph.D. (Stanford University) <i>Coronary artery development and regeneration</i>	Salomon 101
6:05-7:00 p.m.	Joint Networking Reception	Kasper Multipurpose Room



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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

Michelle Dawson Ph.D., Alison DeLong Ph.D., Phyllis Dennerly M.D., Mark Johnson Ph.D.,
Carolina Mejia Peña Ph.D., Kimberly Meza, Melanie Morales Aquino, Miles Mundy, Amanda Elyssa Ruiz

Sponsors

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For conference updates, visit brown.edu/go/nabritconference2022