



# Dr. Samuel M. Nabrit

## Conference for Early Career Scholars

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



BROWN

### Thursday, June 16

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2:00–2:20 p.m.	<b>MCB Department Chair's Welcome and Introductions</b>	<b>Salomon 101</b>
	Walter Atwood, Ph.D.	
	Biographical sketch of Dr. S.M. Nabrit Abigail Brown, Ph.D.	
2:20–3:20 p.m.	<b>Opening Keynote Address</b>	<b>Salomon 101</b>
	Alexis Stranahan, Ph.D. (Augusta University)	
	<i>Basic mechanisms and personal experience with the brain's response to stress</i>	
3:30–4:30 p.m.	<b>Invited Research Talks</b>	<b>Salomon 101</b>
	<b>Moderator:</b> 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>	
4:30–5:45 p.m.	<b>Reception</b>	<b>Salomon Lobbies</b>

## Friday, June 17

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9:00–10:00 a.m.	<b>Morning Welcome and Invited Research Talks</b>	<b>Salomon 101</b>
	<b>Moderator:</b> 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>	
10:10–11:30 a.m.	<b>The UNC Chancellor's Science Scholars Program: How modeling inclusive excellence can lead to institutional transformation</b>	<b>Salomon 101</b>
	<b>Moderator:</b> Stacey Lawrence, Ph.D. (Senior Associate Director for STEM Initiatives Sheridan Center for Teaching & Learning)	
	<b>Panelists:</b> 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	
11:30 a.m.–12:30 p.m.	<b>Poster Session</b>	<b>Salomon Lobbies</b>
12:30–1:45 p.m.	<b>Lunch and informal poster viewing</b>	<b>Salomon Lobbies</b>

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## Friday, June 17 continued

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1:45–2:45 p.m.	<b>Invited Research Talks</b>	Salomon 101
	<b>Moderator:</b> 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>	
2:55–4:15 p.m.	<b>Pandemic Perspectives on Research Training : What to Keep, What to Retire</b>	Salomon 101
	<b>Moderators:</b> Miles Mundy and Carolina Mejia Peña, Ph.D.	
	<b>Panelists:</b> Chyna Gray (Brown University) John Hernandez, Ph.D. (Brown University) Saria McKeithen-Mead, Ph.D. (MIT) Pam Rios Coronado (Stanford University)	
4:30–4:50 p.m.	<b>Joint Session with New England Regional SACNAS Meeting</b>	Salomon 101
	Welcome, opening remarks and blessing	
4:55–6:00 p.m.	<b>Keynote Address</b>	Salomon 101
	Kristy Red-Horse, Ph.D. (Stanford University)  <i>Coronary artery development and regeneration</i>	
6:05–7:00 p.m.	<b>Joint Networking Reception</b>	Kasper Multipurpose Room



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## Dr. Samuel Milton Nabrit

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1905-2003

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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.

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### Organizing Committee

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

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### Sponsors

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