Science Lectureship

Millersville University and the Mr. and Mrs. William F. Brossman Charitable Foundation present the 34th Annual Brossman Foundation and Ronald E. Frisbie Sr. Science Lectureship Program. The program includes a competitive examination for high school sophomore and junior science, mathematics, and technology students, laboratory demonstrations, a special afternoon lecture for selected elementary and middle-school students, and an evening presentation by Dr. Sylvester James Gates Jr.

The University wishes to acknowledge the daughters of Mr. and Mrs. William F. Brossman, the late Mrs. Emily B. Sprecher, Class of 1926, and the late Mrs. Anne B. Sweigart, for their support of this program. We also wish to acknowledge the late Mrs. Bertha Brossman Blair, Class of 1912, the founder of the Brossman Foundation and the trustee board of the Foundation under the guidance of Ephrata National Bank.

In addition, we wish to acknowledge the late Mr. Ronald E. Frisbie Sr. for his steadfast support of the Science Lectureship. Mr. Frisbie, a long-time executive at the Denver & Ephrata Telephone Company, was awarded the Millersville University President’s Medallion in 2012. He was a member of the Lectureship Program Committee since its inception in 1985 and served for many years on the Advancement Advisory Board for the College of Science and Technology. The Lectureship is also supported by the Office of the Provost.

Program Committee

Dr. Lyman Rickard, Chair
Ms. Abby Alexander
Dr. James Argires
Dr. Mark Atwater
Dr. Angela Cuthbert
Dr. Sam Earman
Ms. Janice Estabrook

Mr. Ron Frisbie Jr.
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Dr. Nazli Hardy
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Dr. Brent Horton
Dr. Mike Jackson
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Ms. Carol Reichler

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The Mr. and Mrs. William F. Brossman Charitable Foundation

Thursday, November 15, 2018
6:30 p.m. - Public presentation
Clair Performance Hall
Winter Visual & Performing Arts Center
Schedule of Activities

12–12:30 p.m. Registration for high school students and teachers
Lobby, Caputo Hall

12:30–12:45 p.m. Orientation for high school students and teachers
Room 102, Brossman Hall

1–2:15 p.m. “A Life in Physics” by Dr. Sylvester James Gates Jr.
Presentation to students, grades 4-9
Clair Performance Hall,
Winter Visual and Performing Arts Center

1–3 p.m. Science Knowledge Competition Examination
Room 102, Brossman Hall

3–3:30 p.m. Meet the Speaker
Dr. Gates will meet with high school students & advisors
Room 210, Caputo Hall

3:30–5 p.m. Laboratory demonstrations
Roddy/Caputo/Osburn Halls

5:15–6:15 p.m. Dinner for faculty, invited guests and registered program participants
Multipurpose Room, Stayer Hall

6:30–8 p.m. “A Life in Physics” by Dr. Sylvester James Gates Jr.
Lecture and presentation of Science Knowledge Competition awards and recognition of schools
Clair Performance Hall,
Winter Visual and Performing Arts Center

Sylvester James Gates Jr., Ph.D.
World-renowned Theoretical Physicist

Professor James Gates is a world-renowned theoretical physicist who served on President Obama’s Council of Advisors on Science and Technology (PCAST). He has been featured many times in television documentary programs such as The Elegant Universe, Einstein’s Big Idea and The Hunt for the Higgs. Most recently, Professor Gates has started work in the field of forensic science. He is known for his work on supersymmetry, supergravity and superstring theory. He has authored more than 200 scientific publications and is the author of the first comprehensive book on the topic of supersymmetry, “Superspace.” He holds two B.S. degrees (mathematics and physics) and a Ph.D. degree from the Massachusetts Institute of Technology (MIT). His doctoral thesis was the first at MIT to deal with supersymmetry. He completed his postgraduate studies at both Harvard University and the California Institute of Technology (CalTech).

In 1998, Professor Gates became the first African-American to hold an endowed chair in physics at a major U.S. research university, the University of Maryland at College Park. He was also the first African-American theoretical physicist to receive a National Medal of Science in 2011 and to be elected to the National Academy of Sciences. Professor Gates was appointed Ford Foundation Professor of Physics at Brown University in 2017 and also holds an appointment in the Department of Mathematics. He first joined the Brown community in the fall of 2016 as an inaugural Provost Visiting Professor. Prior to this, he was Distinguished University Professor, University Regents Professor, John H. Toll Professor of Physics and Director of the Center for Particle and String Theory at the University of Maryland.

Professor Gates is a member of the National Academy of Sciences, the American Academy of Arts and Sciences, the American Philosophical Society; he is a fellow of both the American Association for the Advancement of Science and the American Physical Society. He also served on the Maryland State Board of Education. As a member of PCAST, he was co-chair of its working group on STEM pre-eminence for the nation and co-authored a report to President Obama: “Prepare and Inspire: K-12 Education in Science, Technology, Engineering and Math (STEM) for America’s Future.”

ADMISSION
Tickets are free and may be reserved by contacting:

muTicketsOnline.com 717-871-7600

For more information about this event, please call 717-871-4292.