



LRS

The Laboratory
for Research on
the Structure
of Matter



Special Lecture

Pursuing a Scientific Career at a National Laboratory

Tuesday, October 11, 2022

11:00AM

Glandt Forum

Singh Center for Nanotechnology



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If you are finishing your PhD or your postdoctoral tenure you may be asking yourself, *What's next? Should I pursue an academic career, as my thesis adviser or postdoctoral supervisor has done? Or should I look elsewhere, perhaps at industry, or government?* These are great questions that most of us have asked ourselves at the beginning of our professional life. And while I believe that the university, the private sector, and public service are excellent options to consider, I am here to invite you to add one more possibility – being a scientist at one of the national laboratories, most of which are run by the US Department of Energy.

In this short talk, I will first briefly compare a research university with a national laboratory. Then, I will use Brookhaven National Laboratory (BNL), on Long Island (NY), as an example to describe representative national-laboratory programs on materials science and condensed-matter physics, and the large facilities available for projects, among many others, on quantum materials, catalysis, and materials self-assembly. Finally, I will describe a typical career path at BNL and mention current and future opportunities for staff and postdoctoral positions.

An essential part of this informational seminar is the Questions and Answers period that will follow the talk.

Emilio Mendez has over forty years of professional experience, spanning private industry, academia, and a national laboratory. His scientific expertise is in “classical” nanostructured two-dimensional semiconductors, namely, the electronic, optoelectronic and device properties of quantum-well and superlattice heterostructures. Currently, he is a Professor of Physics at Stony Brook University and a Senior Adviser to the Associate Laboratory Director for Energy and Photon Sciences at Brookhaven National Laboratory.

Graduate students and post-doctoral researchers who are interested in meeting with Professor Mendez regarding potential employment opportunities, please email stach@upenn.edu

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