



## End of July 2018 - Lab News Update

Contributors: Amy Wilkerson, Olga Trofimova, Song Vick, Richard Proper, Harry Eller, and Kaya Mikhailova

7/31/18

**Amy Wilkerson and the ARC Lab were featured in a W&M article:**

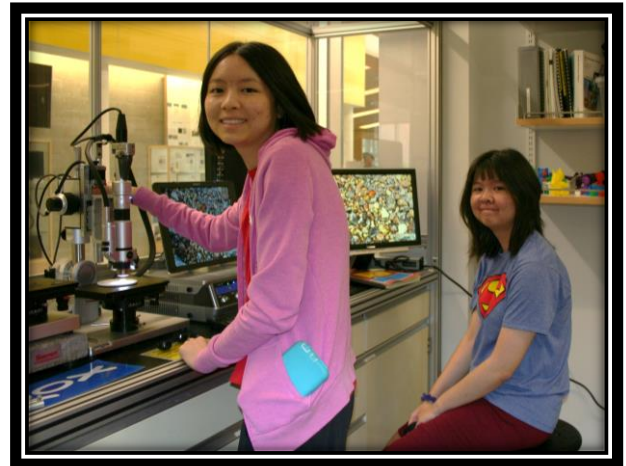
<https://www.wm.edu/news/stories/2018/core-labs-of-william-mary-are-relocated-and-open-for-science-engineering.php>



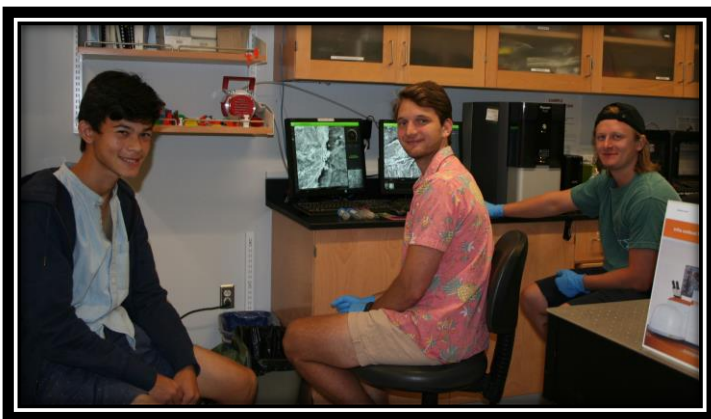
### Equipment in Use



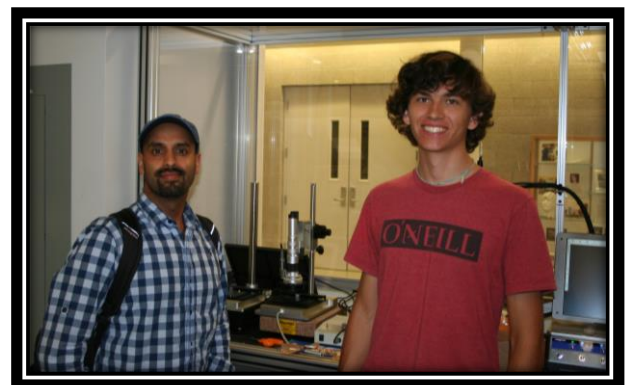
Brennon Brown, Amy Wilkerson, Richard Proper, and Enrique Valderrama working with ToF-SIMS.



Angelica Lin, an undergraduate math major at W&M, helping her sister, Jennifer Lin, use the HIROX.



Brian Price, Ethan Kutner, and Erik Biehler, who are all CNU students, working with the Phenom.



Uttar Pudasaini, W&M, and Mathew McEneaney, W&M/JLab intern, work on various equipment such as the FESEM and the HIROX (pictured here).



### The ARC Visits Jefferson Lab

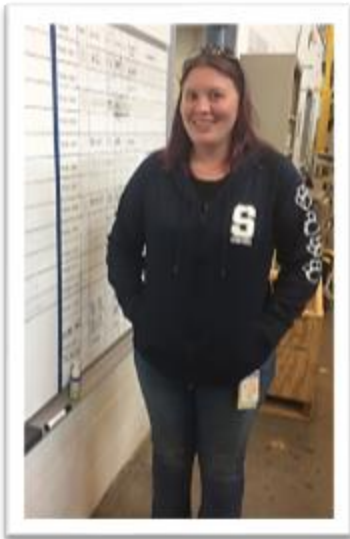
ARC staff and students visited Jefferson Lab on July 24<sup>th</sup> for the Employee Tour. The tour gave an in-depth look into the inner workings of JLab including the Test Lab, the CEBAF Accelerator tunnel, and Experimental Halls C and D.



Uttar Pudasaini working in the JLab clean room.



Pictured here is JLab's Hall C.



Natalie Brock, now an employee at JLab, used to work in the ARC lab as a lab research technician.

### Equipment in Use

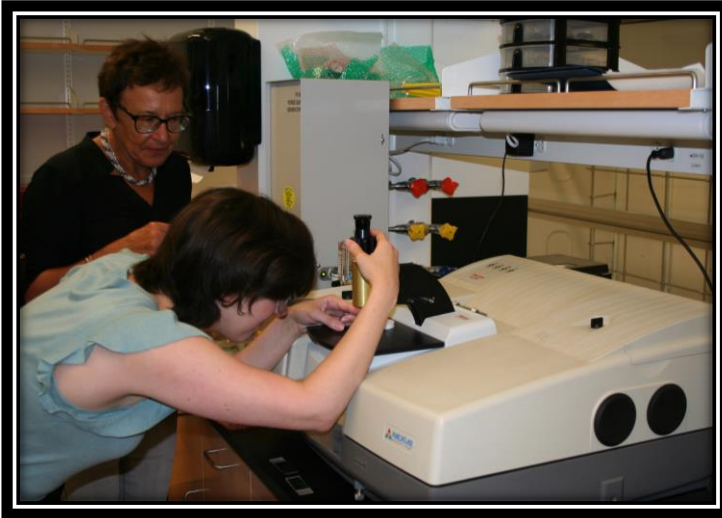


Becca Merriman-Goldring, a W&M chemistry major, is pictured here working with the Renishaw inVia Raman Microscope and Spectrometer.

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### Interesting Research



Kirsten Moffitt and Emily Farek from the Colonial Williamsburg Foundation working with the FT-IR to analyze old wallpaper samples from Colonial Williamsburg to identify the specific type and color of paint.



From ODU, Steve Nelson, a mechanical engineer, and his student Kylie Heupel, a chemical engineering major, use the Phenom to look at ink on copper.

*Continue to next page for Lab Maintenance and Safety →*



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(For information, the lab phone number is 757-221-3819.)

**Lab Maintenance and Safety**

Olga and Nick Moore, a former lab technician and a current Applications and Service Engineer with Nanoscience, performing maintenance on the Phenom microscope.



Amy and Sandra Prior, the Director of W&M Environmental Health and Safety, do a safety check on the XRF equipment.



 **Thank you for a great July in the lab!** 