



iJOBS Virtual Site Visit: Becton Dickinson

Tuesday, June 21, 2022

3:00 PM



Olivia Palmer, Ph.D.
Staff Systems Engineer
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Dr. Olivia Palmer earned her PhD in Biomedical Engineering from the University of Michigan specializing in vascular imaging, developing MRI methods to advance treatment algorithms in deep vein thrombosis. During graduate school she was actively involved with the Graduate Society of Women Engineers holding various officer positions, and as a Tech Transfer Fellow evaluating market and IP landscapes for innovations coming from the university. She now works as a Staff Systems Engineer as part of the Technology Leadership Development Program (TLDP), a rotation program for PhDs designed to develop future technical leaders. Olivia has worked on endovascular devices for dialysis patients in the Peripheral Intervention business unit as well as high throughput COVID-19 diagnostics in the Integrated Diagnostics Solutions business unit.



Jordan Ciciliano, PhD
Staff Engineer
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Dr. Jordan Ciciliano earned her PhD in Bioengineering from Georgia Tech where she used microfluidics lined with endothelial cells to study blood cells and clotting processes. She then pursued a post-doc at University of Wisconsin, Madison using microdevices to study immunology. Jordan now works as a Staff Engineer as part of the Technology Leadership Development Program (TLDP), a rotation program for PhDs designed to develop future technical leaders. In her first rotation, Jordan developed a blood materials interaction lab in the Medication Delivery Systems business unit; and she currently develops Virtual Reality (VR) trainings for medical devices as part of the corporate Computer Aided Engineering group. Jordan is also an avid rugby player (and coach) and can generally be found outside—hiking, reading, going to breweries, refinishing furniture, etc..



Shelby Bieritz, Ph.D.

Senior Engineer

Becton Dickinson

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Dr. Shelby Bieritz earned her PhD in Bioengineering from Rice University, where she developed a method to characterize cell flow in rotary blood pumps and studied shear-induced blood damage. Shelby now works as a Senior Engineer in the BD Corporate Computer Aided Engineering group, enabling product development teams to rapidly understand and improve devices through computational fluid dynamics models. She also collaborates with industry-wide professional groups to advance the field of blood damage modeling and to promote the use of in-silico data in medical device regulatory submissions. Shelby enjoys backpacking and spotting wildlife in the Smokies and West Texas, going to stand-up shows, and attempting ultimate frisbee.