

To strengthen our team, we are looking for:

PhD Students in Biomedical Engineering

Applications are invited for a PhD student position in the Smith Group at Arizona State University.

The Smith Laboratory focuses on engineering solutions to better diagnose problems associated with women's health and mental illness. Ongoing research in the lab utilizes imaging technologies and volatile sensing to forge an entirely new path towards early stage detection and diagnostic monitoring. The overarching goal is to translate technologies developed in the lab for improved patient outcomes. Additional information can be found at: <http://faculty.engineering.asu.edu/smith/>

PhD Positions:

- **Biomedical Imaging:** The use of photoacoustic and ultrasound imaging principles to develop translational technologies for use in neuronal and cancer related research. Knowledge in physics/coding is required. Experience with data analysis, statistics, and/or MATLAB/LabView is desirable.
- **Volatile Biomarker Discovery:** The use of human biological samples and disease tissue models for identification of early stage volatile biomarkers. Knowledge in chemistry/synthetic biology is required. Experience with data analysis, statistics, and/or tissue engineering is desirable.

Your Profile:

- You have a degree in physics, chemistry, biomedical engineering or a related field
- You are a top-level student aiming to become a world leading scientist
- You are highly motivated and able to solve scientific and technical challenges
- You have fluency in English and exceptional writing skills
- You are able to pursue independent research and are excellent at team work
- You are ready to work beyond the status quo and have a hands-on attitude
- You are mature, responsible, and able to grow to meet challenges and achievements

The selected PhD students will need to enroll in the Biomedical Engineering doctoral program in the School of Biological and Health Systems Engineering at Arizona State University.

Place of work: Smith Group, SBHSE, Arizona State University

Start date: August 1, 2018

How to Apply: We look forward to receiving your applications for a position in Dr. Barbara Smith's Group. Apply by email to Christopher Miranda at cmirand4@asu.edu. Applications must include the following:

- **Subject heading:** "Application PhD BME Smith Group"
- **Curriculum vitae**
- **Motivation letter** (expressing interest for one or both PhD positions)
- **Three references:** Contact information only (no letters)

All complete applications received on or before **May 25, 2018** will be considered. Incomplete applications will not be considered.