Winston Salem's Innovation Quarter is home to the Department of Biomedical Engineering, located in Biotech Place, the Center for Biomedical Informatics, located in Bailey Power Plant, and the Wake Forest Institute for Regenerative Medicine (WFIRM), located in the Richard H. Dean Biomedical Research Building.

Questions?

Email us at bme-reu@wakehealth.edu or contact us by phone: at 336.716.2507.

Wake Forest University
School of Medicine

Department of Biomedical Engineering

575 N. Patterson Ave. Suite 530
Winston Salem, NC 27101

Tel: 336.716.2507
Fax: 336.716.5491
Email: bme-reu@wakehealth.edu

2023 Summer Research Experiences for Undergraduates (REU) and Master's Level Graduate Students

May 29 – August 4, 2023

A NSF and NIH Research Site

Ashley Weaver, PhD
Associate Professor, Dept. of BME
Co-PI of NSF REU & NIH R25

Elaheh Rahbar, PhD
Associate Professor, Dept. of BME
Co-PI of NSF REU & NIH R25

Metin Gurcan, PhD
Director, Center for Biomedical Informatics, Co-PI of NIH R25

Apply Online! https://tinyurl.com/WakeSummer23

Applications open October 12, 2022
Application Deadline Jan 25, 2023

VIRGINIA TECH. | WAKE FOREST UNIVERSITY

SCHOOL OF BIOMEDICAL ENGINEERING AND SCIENCES

The Biomedical Engineering (BME) Department and Center for Biomedical Informatics at Wake Forest University School of Medicine will offer several summer research opportunities in 2023 focusing on Imaging and Mechanics-based Projects on Accidental Cases of Trauma (IMPACT) and Culturally augmented learning in biomedical informatics research (CALIBIR).

The Summer REU program is a **10 week program** focused on multidisciplinary BME and informatics-based research. Exciting projects are offered on topics including, but not limited to:

- Injury prediction model development
- Military, sports, and spaceflight safety
- Diagnostics and therapies for cancer patients
- Biomedical informatics
- Imaging and Artificial Intelligence
- Academic Learning Health Care Systems

All students participating in the program will carry out research under the supervision of prominent BME and informatics research faculty, write a research abstract, present their work, and have additional opportunities to see their work published.

Students admitted into the program will receive a **$5,500 stipend** for their participation **and on-campus housing**.

The program is competitive. Applicants should be undergraduates pursuing degrees in engineering, mechanics, bioengineering, biotechnology, informatics, chemistry, computer science, mathematics, biology, premedicine, and related fields to be eligible and must have a cumulative GPA of 3.0 or higher (on the 4.0 scale). They must have completed at least two semesters of undergraduate education and be at least 18 years of age by the first day of the program. International students who currently have a J-1 or F-1 visa and who are already attending school in the United States are eligible to apply.

There are limited slots for some **Master's level graduate students** who have an interest in **biomedical informatics** research. Please contact **Brian Ostasiewski** (bostasie@wakehealth.edu) or **Dr. Metin Gurcan** (mgurcan@wakehealth.edu) for more information.

We are committed to providing research opportunities to all students, with *special interest in applications from students typically underrepresented within fields of science, technology, engineering and mathematics*. These include African Americans, Latino/Hispanic Americans, Native Americans, Pacific Islanders, disabled individuals, and those disadvantaged socioeconomically. First generation college attendees and those attending colleges with limited research opportunities in science, technology, engineering and mathematics are also *highly encouraged* to apply.

The main criteria for the selection of summer scholars will be personal scholarship and academic excellence and the match of applicant interests with those of participating researchers. In addition to the completed online application and personal statements, please submit the following documentation: A complete transcript of your undergraduate study to date and one letter of recommendation; this may be requested from professors related to your major, an advisor, and/or department chair. Please do not use family members.