

Biomedical Engineering

Fall 2021



Chair's Note

I would like to start this newsletter by congratulating the graduating class of Fall '21. Wishing the very best to all. We are all so happy to have been back on campus and providing classes both in person and hybrid to support all students. I am very thankful to my staff and faculty for working with the department to serve our students.

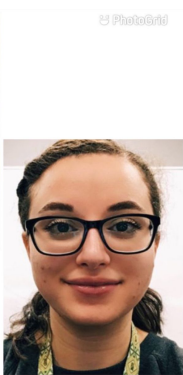
I hope you find the newsletter informative. Whether you are a prospective student or parent, an alumni, industry partner, or just interested please don't hesitate to reach out to us.

Subhashini Ganapathy
Associate Professor & Chair

Congratulations Dr. Sunar

Wright State professor Ulas Sunar wins prestigious NIH Brain Initiative research grant

Ulas Sunar, an Ohio Research Scholar and Endowed Chair in Medical Imaging, received an \$811,410 federal grant to develop a novel neuromonitoring approach for monitoring patients with acute brain injuries. [Read more.](#)



Teaching award Dr. Myers and Yara Hakim

Congratulations to NTE faculty: Dr. Robert Myers and Teaching Assistant: Yara Hakim for being recognized by CECS students for excellence in teaching during the 20-21 academic year. [Read more.](#)

BME student intern highlight

Finding the right summer research internship was a goal for Wright State University [biomedical engineering student](#) Ibrahim Abdulhalim. Getting to conduct research over the summer break would help him to stay on a path to eventually earn a Ph.D. in biomedical engineering.

"The field of biomedical engineering is always changing, and innovations are always being made," he said. "To become a pioneer in the field I would have to conduct research and innovate to contribute to its growth."

Abdulhalim found a great internship opportunity in the Summer Undergraduate Research Fellowship Program at the Mayo Clinic, in Rochester, Minnesota. Sponsored by the Mayo Clinic Graduate School of Biomedical Sciences, the fellowship program attracts outstanding undergraduate students like Abdulhalim who are interested in a career in biomedical research as a Ph.D. or M.D./Ph.D. [read more](#)



BME alumni highlight

Wright State biomedical engineering alumnus Zachary Kiehl cofounded Sentinel Occupational Safety, which is developing wearable sensor technology and safety software. We are excited that Mr. Kiehl is serving on our BME external advisory board.

"Think of it (SafeGuard) like an intelligent guardian," said Kiehl, the 30-year-old co-founder and CEO of Sentinel Occupational Safety, Inc.

"When you're talking about health and safety, sometimes seconds matter. There is a demonstrated need for this type of technology."

[Read more.](#)

BME student intern highlight

"My internship over the Summer was with Riverain Technologies in Miamisburg and I was working on early disease detection on thoracic CT scans using Machine Learning algorithms" regain said.

Regan's focus has been on the aorta, the main artery that carries blood away from the heart to the rest of the body. One of the diseases he works on is aortic aneurysm, a balloon-like bulge in the aorta that can lead to its rupture and a high death rate.

[Read more](#)



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