



Florian Bariszlovich is a graduate student working on his master's thesis in biomedical engineering at the Anhalt University of Applied Sciences, Köthen Anhalt Germany. As part of his graduate work, Florian is engaged in an internship with Dr. Kelly Drew, Director, Center for TRiM, under the supervision of Bernard Laughlin, PhD, from April through September 2023 on the UAF campus. Florian's internship project utilizes his knowledge of biomedical engineering principles to optimize TRiM's automated temperature control system that is used to regulate rats during synthetic torpor. Based on his undergraduate work at Otto von Guericke University where he earned his B.S. degree in 2021, Florian developed a strong interest in the biological and medical technology of sports engineering. While there, he managed a student start-up project named SOPHIA that focused on an inter-

surgical guidance system to conduct bronchoscopies. This experience led to his interest in the field of virtual reality in medicine.

Florian decided to apply for an internship with TRiM and Dr. Drew based on the recommendation from his professor Dr. Boris Bracio. His work focuses on evaluating the current temperature control system used for hibernation experiments in the Drew lab and making improvements to the control algorithm. He also assisted the Drew lab by making experiments easier to handle and created a user interface for the program.

Florian notes TRiM's environment as "ideal" for development of young researchers which he attributes to the diverse opportunities of working independently and collaboratively with an interdisciplinary group of researchers who stimulate thinking outside of the box in a supportive "team" setting. What he likes least about living in Fairbanks? Summer smoke and pesky mosquitos, of course!

Florian's goal is to complete his master's degree in November 2023 with a thesis based on his internship study with TRiM in the area of biomedical data acquisition and control. He will then apply for PhD programs in an area to be determined. At this point, he may pursue medical imaging and inter-surgical navigation, building on his earlier interest in virtual reality in medicine, or will continue in the field of control systems.

Florian describes himself as "...inquisitive, self-confident, and an eloquent person with a high willingness to work." To sum up his nature, Florian quoted Albert Einstein who said: "I have no special talent, I'm just passionately curious!"