

SUCCESS STORY



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FluidBiomed

<https://fluidbiomed.com>

Brain aneurysms affect up to 5% of the population and can lead to strokes with potentially devastating consequences. Fluid Biomed's dynamic team of neurosurgeons, scientists and engineers are designing and commercializing the world's first hybrid polymer-metal flow-diverting stent to treat brain aneurysms.

Students are an integral part of the Fluid Biomed team and are extremely valuable in supporting and advancing the company's technology. The students' background, training and flexibility are all key in performing fast-paced work that changes quickly in scope and priority.

Graciela Moscoso, a third-year Mechanical Engineering student at the University of Calgary's Schulich School of Engineering, was seeking an opportunity to gain hands-on experience in biomedical engineering and medical technology. At Fluid Biomed, Graciela conducted qualification



Graciela Moscoso

and calibration of equipment that is used in inspecting and testing proprietary technology, conducted experiments that increased technical understanding of the product, and performed procedures relevant to the manufacturing process. Learning about ASTM and ISO standards, running independent studies, and presenting her findings in written reports allowed Graciela to experience that 'next step' in working for a small company and gave her real-world skills that will serve her well in the workplace. Her reports supported a regulatory application to initiate human studies - a key milestone in Fluid Biomed's product development. In addition to her hands-on experience and training, Graciela is inspired by "knowing that the end goal is to produce technology that can better the lives of others." She found her work interesting and fulfilling.

The team at Fluid Biomed shares the mission of developing the next generation of stents to improve patient well-being and works organically to achieve it. The BioAlberta WIL Voucher has supported the company's commercialization effort by partially funding students who quickly integrated with the team and worked towards reaching Fluid Biomed's milestones. Graciela agrees, saying, "WIL funding has provided me with the opportunity to gain experience that can't be replicated in a classroom. I learned so much from my work term and this experience will help me lay the foundation for my future career in med tech as a biomedical engineer."

Graciela is right. WIL funding can help! Visit <https://bioalberta.com/talent-hub/work-integrated-learning/> or contact jamie@bioalberta.com for more information and to learn how to apply.

WIL VOUCHER

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