

SUCCESS STORY



www.bioalberta.com

www.paninnovations.com

PanAccess Innovations' journey began in Calgary, when Jumai Abioye a visionary scientist with a rich background in biotechnology and a passion for enhancing global health, embarked on a mission to bridge the gap between advanced diagnostics and accessibility. Now, PanAccess is developing diagnostic tools that span across our one Health needs - the interconnected health challenges of humans, animals, and ecosystems.

PanAccess Innovations distinguishes itself through its commitment to leveraging scientific innovation for societal benefit, particularly by democratizing access to advance molecular testing tools. This focus on creating portable, easy-to-use diagnostic tools for use in diverse environments (farms, fields, homes) showcases its unique approach to improving global health. PanAccess is not just a company; it's a movement towards a healthier, more sustainable future.

The role of interns at PanAccess is invaluable, as they bring fresh perspectives, cutting-edge skills, and a relentless drive to make a difference, enriching our innovative endeavors. Through a nurturing environment that promotes knowledge-sharing, inclusivity, and respect, PanAccess not only advances its mission but also cultivates the next generation of scientific leaders and change-makers.



Tithi Bhatt

Tithi Bhatt is a fourth-year student pursuing a Bachelor of Science in Cellular, Molecular, and Microbial biology at the University of Calgary. She applied for the Research assistant position so that she can gain hands-on experience in the biotechnology industry. Tithi's curiosity and dedication have not only sharpened her skills in developing innovative diagnostics and disease research but have also had a positive impact on our team at PanAccess. Tithi's colleagues commend her contributions to the team.

They describe Tithi as a repository of knowledge, likened to a "walking science Wikipedia," and praise her ability to solve problems critically, noting her consistent reliability. Additionally, they appreciate Tithi's positive and cheerful nature, along with her remarkable balance between academic and professional commitments.

Tithi has been working on a Project aimed at developing a nucleic lateral flow assay (LFA) for early and rapid detection of diseases. A

nucleic LFA is an immunoassay that relies on the interaction between nucleic acids and antibodies to produce a visible signal. Using molecules like gold nanoparticles, this interaction can be visibly detected on a LFA test. LFA tests can then be implemented as at home, easy to use diagnostic test that can detect different nucleic acid sequences for viruses, bacteria, etc. Tithi has been able to design and is currently developing an LFA. Her goal is to continue to work to develop different types of LFA's for various diseases and optimize the developed tests using molecular biology techniques and its intersection with engineering principles.

The WIL funding from BioAlberta has made it easy for PanAccess to tap into the emerging workforce while also providing excellent mentorship and learning experience to interns thereby preparing them for the real-world.



Tithi Bhatt

In Tithi's own words: "I am immensely grateful for the opportunity both BioAlberta and PanAccess has given me. As a very curious individual, I have always been drawn to research because it allows me to work with my creativity in a scientific setting. I enjoy being able to apply my knowledge to develop solution for global issues. Throughout my courses, I really admired the complexity of molecular biology of diseases and disease research. Hence being able to work hands on in developing a tool for better disease detection during my internship at PanAccess Innovations has been an extremely enjoyable and a great learning experience."

[@PanAccess Innovations Inc.](#) on LinkedIn | [@Tithi Bhatt](#) on LinkedIn

Interns at PanAccess are critical members of the team. Not only are they able to learn important career skills needed for joining the workforce but they provide lots of support for the company. The diverse backgrounds and skills different interns present help us set up an environment of learning, balanced work management, and inclusivity. We would love to continue to meet more great minds and help them grow into innovative scientist. If you are interested, please reach out to PanAccess Innovations at www.paninnovations.com!

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