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Shubham is a currently an MD/PhD student and previously earned his BSc with Honors in Physiology at the University of Alberta in 2018. His initial research area of study was in diabetes, metabolism, and autoimmunity with Dr. Peter Light. Shubham then began his PhD with Dr. Jason Dyck in the Department of Pediatrics in 2018. He has received numerous awards, the most notable being the CIHR Doctoral Student Award and the Killam Scholarship. He has also received prestigious accolades in national and international arenas, including the Gairdner Prize (Canadian Student Health Research Forum 2021), the Young Investigator Award (Experimental Biology 2022), and the Canadian Heart Failure Society Research Competition Award (Canadian Cardiovascular Congress 2022). Shubham's thesis investigates the ketone therapy as a potential approach for various cardiovascular diseases, primarily heart failure and other inflammatory conditions with cardiac dysfunction. Shubham also has a broad scope of research ranging from sepsis, diabetes, and prenatal iron deficiency, amongst other interests. His work prioritizes the creation and application of translational therapies which can be immediately used in a clinical setting, while also identifying the pathways and mechanisms by which these therapies can be of clinical utility.