2023 CAP-CAPF Scholarships / Bénéficiaires de Bourses d'études de l'ACP-FACP 2023

The CAP is pleased to announce the recipients of the 2023 CAP-CAPF student scholarships, made possible through the generous donations to the CAP Foundation. <u>Please visit the CAP website</u> for the list of scholarship recipients with a link to the detailed citations and any remarks submitted by the recipient following the receipt of the award.

L'ACP est heureuse d'annoncer les récipiendaires des bourses étudiantes de l'ACP-FACP pour 2022, rendues possibles grâce aux généreux dons à la Fondation de l'ACP. <u>Veuillez consulter le site web de</u> <u>l'ACP</u> pour obtenir la liste des récipiendaires des bourses d'études, ainsi qu'un lien vers les citations détaillées et les remarques à la suite de la réception de la récompense.

The 2023 Allan Carswell Physics Educator Scholarships / Les Bourses Allan Carswell d'enseignant(e) en physique de 2023



Kara Deane, University of British Columbia, in recognition of her excellent academic record and demonstrated ability in designing and delivering physics teaching activities. Additionally, she has made substantial contributions to the promotion and education of STEM subjects through her outreach and volunteer work with youth. Kara's curiosity is what draws her to physics, and she hopes to share this with students by "[counteracting] narratives that place physics on a pedestal of impossible difficulty and [grounding] abstract concepts in the daily lives of students".



Elijah Adams, University of Calgary, in recognition of his excellent academic record and strong skills in communicating physics. He adopts a student-centered approach and has utilized this to explore inquiry-based learning and create high-quality physics course materials for hybrid learning. Elijah believes that "a compelling introduction to physics is crucial for students' continued interest in higher education" and that physics education can "cultivate unique problem-solving skills and enhance learning capabilities across all fields".

The 2023 Eric C. Svensson Memorial Graduate Scholarship / La Bourse commémorative pour étudiants de cycles supérieurs Eric C. Svensson de 2023



Janani Balasubramanian, Ontario Tech University, in recognition of her highly original community service and her groundbreaking research supporting the development of technology to automatically diagnose blood disorders in real-time using a surface-enhanced Raman scattering-based nano-sensor. She is carrying out this research under the supervision of Dr. Nisha Agarwal at Faculty of Science, Ontario Tech University and is a recipient of Ontario Graduate Scholarship 2023-2024 and Mitacs Globalink Graduate Fellowship 2023. Recently arriving in Canada, Ms. Balasubramanian participated at the 2023 CAP Congress and won the "Overall

Best Poster" title and the first prize in both Division of Gender Equality in Physics and Division of Physics in Medicine and Biology at the Congress. In addition, she triumphed at the Catalyst Challenge 2023 themed 'Accelerating Climate Action' securing First Prize for her project focused on repurposing fallen leaves into eco-friendly paper materials. This initiative, conducted for post-secondary institutions across Canada by Brilliant Catalyst, Ontario Tech University, highlights her dedication to sustainable practices and environmental innovation. Previously, she participated in a number of interdisciplinary projects in India including winning first prize for "Fem Kit", a polycystic ovarian syndrome diagnostic strip kit and first prize in National level Smart India Hackathon conducted by government of India. She has been and continues to be active as a mentor and teacher. Janani, who is completing her Masters Degree at Ontario Technical University, is an active researcher, having published more than 31 papers, on many of which she is one of the lead authors. Her work clearly demonstrates the application of advanced techniques based on physics to important real-world health problems. She is already a leader and ambassador for the field.