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COVER ARTIST: ARIM YOO

TOC ARTIST: ASEEL ABONOWARA

dear reader,

Welcome to Issue 41 of *The Meducator*!

In continuing our celebration of the 20th year of *The Meducator*, we are excited to be doing so within the McMaster community, as we transition back to a modified in-person lifestyle. It has been a semester of change, continuing the tradition of interdisciplinary collaboration and revived initiatives from the past.

Inspired by the connection between physical health and sports, Arim Yoo's Issue 41 cover art uplifts female athletic representation and emphasizes unity in the international community. This issue's MedPulse takes a new turn, with McMaster Friends of Médecins Sans Frontières (MSF) authoring several pieces on developments within the healthcare field, highlighting MSF's responses to treatment inaccessibility and disease surges globally. In Pathoprofile, Shanzey Ali and Alexander Xiang take a deep dive into Kallmann Syndrome, the puberty-related genetic condition predominantly affecting males worldwide. Next, Allison Fang and Matthew Lynn highlight the MeduStory of Dr. James Makokis, advocate for Indigenous and transgender health, and winner of the 7th season of *The Amazing Race*.

We continue *The Meducator*'s collaboration with the annual International Women and Children's Health (IWCH) Conference, as well as the McMaster Health Forum. IWCH abstracts examine the impact of patient-physician relationships on patients' mental health, the effect of racial stereotypes on Black women's health, and the Global Midwifery Peer-to-Peer Program. In Forumspace, Vikita Mehta and Tushar Sood write about the widespread inequity in COVID-19 vaccine distribution.

We are also excited to feature an Opinion Piece, a Critical Review, and a Research Insight in this issue. Matthew Ahn and Suraj Bansal write about the efficacy of nanoparticle-based CT imaging in identifying pro-inflammatory macrophages in atherosclerosis. Nyla Syed and Thunuvi Waliwitiya then critically review NSAIDs and vasopressin receptor antagonists as primary dysmenorrhea treatments. Finally, the effect of autophagic gene inhibition on exosomal tau is explored by Philip Yu. Issue 41 concludes with two Interview Spotlights featuring Dr. Jonathan Ng, the founder of *The Meducator*, and Dr. Jonathan Stokes, a machine learning and novel antibiotics specialist.

We are confident that *The Meducator* will continue to evolve in new and exciting ways in the decades to come. With the continuation of our new video initiative, MeduCares, and our new podcast, MeduCurrent, we hope to continue to shine a spotlight on our McMaster community as we navigate a new era of care in the health sciences. We are proud of our talented team for their unrelenting support and dedication not only to Issue 41, but also to the entire *Meducator* community during the 2021–2022 school year.

We would like to extend our gratitude to our executive team: Aisling, Andy, Carolyn, Catherine, Daniel, David, Eric, Jeffrey, Karishma, Madeline, Shanzey, and Yiming. We welcome our incoming 2022–2023 Editors-in-Chief, Jeffrey Sun and Madeline Chan, who we know will continue to uphold *The Meducator*'s mission of community building and education through knowledge translation at McMaster and beyond. We also want to extend a final thanks to you, reader, for your continued support and curiosity!

From both of us, thank you so much for an incredible milestone year of *The Meducator*.

All the best,



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