

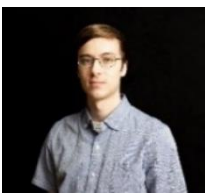


KCA 2023 Novel Technologies in Childhood Cancer

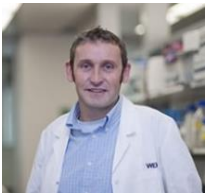
Invited Speakers Biography



Professor Leonard Sender is an AYA (Adolescents and Young Adults) clinician at Children's Hospital of Orange County (CHOC) and University of Irvine California. Prof Sender is regarded as one of the leading advocacy pioneers of the AYA oncology movement. Prof Sender developed the joint AYA Cancer Program at CHOC Children's and UC Irvine Health and is currently the chairman of the United States' largest AYA patient advocacy group: Stupid Cancer (www.stupidcancer.org).



Joseph Kreitz works in the Feng Zhang laboratory (where CRISPR was discovered) at the Broad Institute of MIT and Harvard in Cambridge, Massachusetts, USA. His work focuses on a new class of targeted protein delivery tools called contractile injection systems (CISs), which he first published earlier this year in *Nature*. This work received broad media coverage including *Nature*, *Science*, *Scientific American*, *GEN*, *Stat News*, and others.



Professor John Silke is a Laboratory Head for Infection, Inflammation and Immunity Theme at Walter and Eliza Hall Institute of Medical Research (WEHI). His lab investigates proteins that can regulate both inflammation and cell death. His lab is revealing how these proteins contribute to inflammatory diseases including: psoriasis, rheumatoid arthritis, Crohn's disease, as well as cancer. His goal is to translate discoveries into new treatments for these scourges.



Dr Arutha Kulasinghe is a Peter Doherty NHMRC Research Fellow and leads the 'Clinical-oMx Lab' at the University of Queensland. Dr Kulasinghe has pioneered spatial transcriptomics using digital spatial profiling approaches in the Asia-Pacific region, contributing to world-first studies for lung cancer, head and neck cancer, and COVID-19. His research aims to understand the underlying pathobiology by using an integrative multi-omics approach.



Associate Professor Fatemeh Vafae is the Deputy Director of UNSW Data Science Hub since 2021 and an A/Prof in Computational Biomedicine and Bioinformatics at the School of BABS. A/Prof Vafae has launched and leads the AI-enhanced Biomedicine Laboratory at UNSW, collaboratively working on deploying advanced AI techniques to address various pressing biomedical problems.



Associate Professor Antoine de Weck joined Children's Cancer Institute in January 2022 to establish and lead the Computational Drug Discovery Biology Group. Antoine's work at the Institute focuses on identifying new therapeutic vulnerabilities in childhood cancers and identifying new or existing compounds capable of targeting those vulnerabilities.



Professor Dayong Jin is a Clarivate Highly Cited Researcher, one of the world's top 0.1% influential researchers across multiple fields. He has spent the past decade driving the transformation of photonics and materials into analytical, diagnostic, and imaging devices for disease detection, including cancer. These devices use photonics technologies to analyse saliva, urine, or blood to identify early signs of disease and toxins.