

THE GIS SPEAKER SERIES

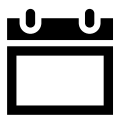


Spatial technologies pave the way to decode human disease

Professor Victor Puelles

Aarhus University and University Medical Center
Hamburg-Eppendorf

Host: Shyam Prabhakar



Friday 4 September 2026
2.00pm – 3.00pm



GIS L2 – Seminar Room
60 Biopolis Street, Genome, Singapore 138672

About The Speaker

Victor Puelles holds a medical degree from Universidad Peruana Cayetano Heredia (Lima, Peru) and a PhD from Monash University (Melbourne, Australia). For his postdoctoral training in Germany, he first moved to the RWTH Aachen University Hospital and then to the University Medical Center Hamburg-Eppendorf, where he started his research group. In 2022, he was appointed dual Professor of Complex Tissue Analysis at the Department of Clinical Medicine, Aarhus University (Denmark) and the III. Department of Medicine (Nephrology), University Medical Center Hamburg Eppendorf. Victor leads a multidisciplinary team of physicians, molecular biologists, and computational scientists that aim to decode tissues to understand human disease.

About The Seminar

Spatial information is essential to understand the context of molecular dysregulation in human disease. For this reason, Victor's team develops, adapts and applies microscopy-based and computational technologies to characterise tissues at different scales, including whole organs, single cells and subcellular compartments. Their goal is to use this information to propose technical solutions to improve patient diagnosis, stratification and therapy. While most of their work uses the kidney as a model, these methods can be applied to any system, which motivates their broad interest in collaborations. Every tissue provides an opportunity to learn something new, including preclinical models and precious patient specimens.