

Professor Ioannis Ragoussis

Short CV

Professor Ioannis (Jiannis) Ragoussis is a world-renowned and highly recognized scientist with outstanding research work in the field of genomics and transcriptomics, playing a leading role in single-cell genomics. Currently, Dr. Ragoussis is Head of Genome Sciences at the McGill University Genome Centre and Professor of Human Genetics at the Department of Human Genetics and the Department of Bioengineering at McGill University.

Prof. Ragoussis completed his PhD in Biochemistry, Immunology, and Genetics at the University of Tübingen, Germany, and has since had a 40-year career in genomics. He introduced new genomic technologies for gene identification and mapping at Guy's Hospital in London as a Lecturer and Reader and introduced high-throughput genotyping technologies at the University of Oxford as the Head of Genomics, where he also pioneered Next Generation Sequencing (NGS). He has developed expertise across a wide range of NGS applications. Since moving to McGill University in 2013, he established genomic analysis facilities that were applied for the first time in Quebec and developed single-cell genomics, long-read sequencing using Nanopore and PacBio Sequel, and Hi-C approaches for de novo genome sequencing. In 2020, he founded an Advanced Genomic Technologies lab, which played a central role in the SARS-CoV-2 genome sequencing project in Quebec (CovSeQ). He is the lead for genomics and virus sequencing in the CoVaRR-Net network funded by CIHR and a member of the CanCOGeN virus and host sequencing consortium, where he chairs the CovSeQ sequencing committee. He is also Associate Director at Canada Genome Enterprise, Canada's Genomics and Bioinformatics Platform. He has experience collaborating with national and international consortia and is a member of several major Genome Canada projects, including leading the Quebec node of the Canadian Biogenome Project, while also leading several funded projects by the Canada Foundation for Innovation. He has published more than 280 articles in the field of genomics in internationally recognized scientific journals (Scopus: > 15,000 citations, h-factor = 76; Google Scholar: > 30,000 citations, h-factor = 84).