



KEYNOTE SPEAKERS

Professor Mathilakath Vijayan



Professor Matt (Mathilakath) Vijayan is a distinguished environmental physiologist whose research focuses on the cellular and molecular mechanisms of stress tolerance in fish, with a particular focus on corticosteroid signaling and endocrine disruption. He holds a Tier 1 Canada Research Chair in Environmental Physiology and Toxicology and serves as Associate Head of Research in the Department of Biological Sciences at the University of Calgary.

Professor Vijayan investigates how fish integrate hormonal and cellular signals to maintain homeostasis under environmental stressors such as temperature shifts and chemical contaminants. His laboratory employs genomics, proteomics, metabolomics, methylomics, and CRISPR-Cas9 gene editing in zebrafish alongside studies in fathead minnows and rainbow trout to dissect pathways responsive to corticosteroids and xenobiotics.

Professor Vijayan holds a PhD in Animal Physiology from the University of Guelph, Canada (1990) followed by Post-Doctorate studies in Animal Physiology from University of Ottawa (1993).