

Laszlo Orban's research interest has been focused on teleosts throughout his career. With the exception of the three years spent at NIH, where he studied gel electrophoretic separation in the lab of Andreas Chrambach between 1986-1989, he has always worked on fish. Accordingly, over two-third of his 75 research publications describe various aspects of the biochemistry, molecular biology and genomics of this fascinating group of vertebrates.

The current research projects in his lab are as follows:

- 1) Marker-assisted and genomic selection in commercially important food fish species;
- 2) Molecular regulation of gonad transformation in the zebrafish model and in sequential hermaphrodites;
- 3) Structural and functional differences between the genomes and transcriptomes of the two sexes in teleost species;
- 4) Genetic regulation of scale pattern formation in cyprinids;
- 5) Molecular aquaculture: Application of modern, molecular tools and high-throughput platforms in fish biology and practical fish culture.

Laszlo Orban is the Director of Reproductive Genomics at the Temasek Life Sciences Laboratory in Singapore. He is an Adjunct Professor of the Georgikon Faculty of University of Pannonia (Hungary) and an Adjunct Associate Professor of the National University of Singapore.