

Dr. Christos Tzaferis earned his BSc in Computer Science from the Athens University of Economics and Business (AUEB) in 2014. He then pursued an MSc in Bioinformatics, which he completed in 2017 at the Department of Biology, University of Athens (UoA), with a focus on simulating complex biological systems, particularly mechanisms of cellular communication and immune responses. In late 2019, he began his doctoral research, focusing on developing pipelines for the bioinformatics analysis of Single-Cell RNA-seq and Single-Cell ATAC-seq data. He received his PhD from the Medical School, University of Athens (UoA) in 2024.

In early 2018, Dr. Tzaferis joined the lab of Prof. George Kollias at the B.S.R.C. Al. Fleming Institute, where he worked as a Bioinformatician specializing in the analysis of next-generation sequencing (NGS) data. Since 2022, he has been a member of the Single-Cell Analysis Unit at the Kollias Lab, where he focuses on analyzing Single-Cell data from mouse models of rheumatoid arthritis (RA) and inflammatory bowel disease (IBD), aiming to decipher the cellular heterogeneity of fibroblasts, their distinct properties, and communication patterns with other cell types.