

Short bio

Professor Panagiotis Vlamos is the Chairman of the University Research Center of the Ionian University and the Director of the Bioinformatics and Human Electrophysiology Laboratory (**BiHeLab**), Ionian University. He completed his undergraduate studies BSc in Mathematics at the University of Athens and obtained his PhD degree in Mathematics from the National Technical University of Athens, Greece. He is the recipient of numerous awards and he has authored more than 200 papers in peer-reviewed journals and conference proceedings as well as 16 educational books. BiHELab's goal is to help bridge the translational gap from data to models and from models to drug discovery and personalized therapy by fostering collaborations and developing original quantitative approaches to biological and clinical problems by utilizing high-performance computing. BiHELab is also part of a joint research collaboration between the 1) Foundation for Neurological Diseases, Harvard Medical School, 2) Takeda Pharmaceutical Company Limited, 3) Institute of Entrepreneurship Development and 4) ALTOIDA AG. This collaboration aims in the assessment, improvement and implementation of digital biomarkers. In addition, Prof. Vlamos is co-chair of the Hellenic Initiative Against Alzheimer's (**HIAAD**). HIAAD is a joint collaboration between Greek researchers from Johns Hopkins University, USA and scientists from BiHELab who combine their knowledge and expertise in order to cope with the "epidemic" of Alzheimer's and related disorders in Greece. BiHELab is the main organizer of a world congress on "Genetics, Geriatrics and Neurodegenerative Diseases Research" (**GeNeDis**). Prof. Vlamos is also one of the three editors of the Handbook of Computational Neurodegeneration that will be published by Springer International Publishing. BiHELab's research activities have been also recognized by Forbes in an article entitled "**New Research Field Could Save Billions for Pharmaceutical Companies and Patients**".