

PERSONAL INFORMATION

Dr Nantia D. Iakovidou

📍 University of Cyprus, 215/6 Palaios Dromos Lefkosias-Lemesou, Strovolos, 2029 Nicosia, Cyprus

✉ iakovidou.nantia@ucy.ac.cy

RECENT WORK EXPERIENCE

- 20/10/2020 - Present **BIMS and EDC Operation Officer. Center of Excellence in Biobanking and Biomedical Research, University of Cyprus. Position funded by the European Commission (Horizon 2020), Republic of Cyprus and University of Cyprus.** 215/6 Palaios Dromos Lefkosias-Lemesou, Strovolos, 2029 Nicosia, University of Cyprus, Cyprus.
- Biobank Information Management System (BIMS), Electronic Data Capturing (EDC), Data Analysis.
- 15/1/2018 - 31/07/2020 **Post-doctoral researcher in Bioinformatics. Position funded by the NIHR Biomedical Research Centre at South London and Maudsley, NHS Foundation Trust and King's College London.**
- Institute of Psychiatry, Psychology & Neuroscience, PO86, King's College London, 16 De Crespigny Park, SE5 8AF, Denmark Hill, London, United Kingdom.
- Data analysis, Machine Learning in Neuropsychiatry, Computational Psychiatry.
- 05/10/2016 - 31/12/2017 **Professional Teaching “Algorithms and Complexity” at the undergraduate level - Postdoctoral Researcher. Position funded by the Ministry of Education of Greece.**
- Department of Informatics, Aristotle University of Thessaloniki, 54124, Thessaloniki, Greece.
- Computational Neuroscience, Bioinformatics, Data Mining, String Matching, Algorithms.
- 30/09/2014 - 31/08/2016 **Scholar of Excellence of the State Scholarships Foundation of Greece for Post-Doctoral Research in Computational Neuroscience and Neuroinformatics.**
- Department of Informatics, Aristotle University of Thessaloniki, 54124, Thessaloniki, Greece.
- Spatiotemporal Data Mining Techniques and Applications on Electroencephalography (EEG) Data Against Brain Disorders.
- 15/11/2012 - 13/06/2014 **Research, Innovation and Data analysis in Business and Bioinformatics**
- Business consultant – accounting company, 13 Pl. Ag. Georgiou street, 54635, Thessaloniki, Greece.
- Developing business plans, writing and submitting proposals for business funding, commercial-industrial projects for start-up businesses and young scientists.
- 01/10/2009 - 28/02/2011 **Professional Teaching at Alexander Technological Educational Institute of Thessaloniki. Position funded by the Ministry of Education of Greece.**
- Alexander Technological Educational Institute of Thessaloniki (ATEITH), 57400, Thessaloniki, Greece.
- Teaching C/C++ programming languages at the Department of Automation Engineering of ATEITH.

EDUCATION

- 23/01/2008 – 29/01/2014 **PhD: Data Mining in Biological and Medical Data.**
- Department of Informatics, Aristotle University of Thessaloniki, 54124, Thessaloniki, Greece.
- 03/10/2005 – 12/07/2007 **MSc in Information Systems**
- Department of Informatics, Aristotle University of Thessaloniki, 54124, Thessaloniki, Greece.
- 01/10/2001 – 21/07/2005 **BSc in Computer and Information Science**
- Department of Informatics, Aristotle University of Thessaloniki, 54124, Thessaloniki, Greece.

Selected Publications

International Scientific Journals:

- **Iakovidou N.**, Lanzarini E., Singh J., Fiori F., Santosh P., Differentiating Females with Rett Syndrome and Those with Multi-Comorbid Autism Spectrum Disorder Using Physiological Biomarkers: A Novel Approach, *Journal of Clinical Medicine* 9(9), doi: 10.3390/jcm9092842, 2020.
- **Iakovidou N.**, Laskaris N., Tsihclas C., Manolopoulos Y., Christodoulakis M., Papathanasiou E., Papacostas S., Mitsis G., A symbolic dynamics approach to Epileptic Chronnectomics: employing strings to predict crisis onset, *Theoretical Computer Science*, Elsevier, vol. 710, pp.116-125, 2018.
- **Iakovidou N.**, Graph theory at the service of electroencephalograms, *Brain Connectivity*, Vol. 7, Issue 3, pp. 137-151, 2017.
- **Iakovidou N.**, Tiakas E., Tsihclas C., Manolopoulos Y.: Going over the Three-Dimensional Protein Structure Similarity Problem, *Artificial Intelligence Review*, Springer, Vol. 42, Issue 3, pp. 445–459, 2014.
- **Iakovidou N.**, Dimitriadis S., Laskaris N., Tsihclas K., Manolopoulos Y.: On the Discovery of Group-Consistent Graph Substructure Patterns from Brain Networks, *Journal of Neuroscience Methods*, Elsevier, Vol. 213, Issue 2, pp. 204-213, 2013.
- Symeonidis P., **Iakovidou N.**, Mantas N., Manolopoulos Y.: From biological to social networks: Link prediction based on multi-way spectral clustering, *Data and Knowledge Engineering*, Elsevier, Vol. 87, pp. 226-242, 2013.
- **Iakovidou N.**, Nanopoulos A. and Manolopoulos Y.: Ranking genes based on kernels, *Intelligent Decision Technologies*, Vol.4, N.3, pp. 233-238, 2009.
- Katsaros P., **Iakovidou N.** et al.: Evaluation of composite object replication schemes for dependable server applications, *International Journal of Information and Software Technology*, Elsevier, Vol. 48, pp. 795-806, September 2006.

International Scientific Conferences:

- **Iakovidou N.**, Suicidal behavioural risk prediction using data mining and machine learning approaches in the STOP study, The 18th International Congress of European Society for Child and Adolescent Psychiatry (ESCAP 2019), Vienna, Austria, 2019.
- Lanzarini E., Singh J., Lievesley K., **Iakovidou N.**, Fiori F., Santosh P., Psychopathology in subjects with depression in the 'Suicidality: Treatment Occurring in Paediatrics' (STOP) Study – Response to Fluoxetine or Cognitive Behavioural Therapy (CBT), The 18th International Congress of European Society for Child and Adolescent Psychiatry (ESCAP 2019), Vienna, Austria, 2019.
- Santosh P., Singh J., **Iakovidou N.**, Fiori F. and the CIPPRD Team, personalizing digital health to improve the treatment outcomes and quality of life in patients with complex brain disorders, The International Congress on Brain Health Innovations & Technologies (BrainHIT2019), Vienna, Austria, 2019.
- Santosh P., **Iakovidou N.**, Lievesley K., Fiori F., Singh J., A single assessment scale for the predictors of suicidality in children and young adolescents, The 27th European Congress of Psychiatry (EPA 2019), Warsaw, Poland, 2019.
- **Iakovidou N.**, et al., On-line monitoring of suicidality and its characteristics in children and adolescents using HealthTracker™ multi-modal web-based platform, *Mental Health Technology Symposium (MindTech 2018)*, London, UK, 2018.
- **Iakovidou N.**, Christodoulakis M., Papathanasiou E., Papacostas S., Mitsis G.: Introducing weighted approaches to study network brain dynamics from EEG epilepsy measurements, *Proceedings of the 15th IEEE International Conference on Bioinformatics and BioEngineering (BIBE'2015)*, Belgrade, Serbia, 2015.
- **Iakovidou N.**, Dimitriadis S., Laskaris N., Tsihclas K.: Querying Functional Brain Connectomics to Discover Consistent Subgraph Patterns, *Proceedings of the 13th IEEE International Conference on Bioinformatics and BioEngineering (BIBE'2013)*, Chania, Greece, 2013.
- **Iakovidou N.**, Tiakas E, Tsihclas K.: DISCO: a New Algorithm for Detecting 3D Protein Structure Similarity, *Proceedings of the AIAI International Workshops: AIAB, AIeIA, CISE, COPA, IIVC, ISQL, MHDW, and WADTMB (AIAI'2012)*, Vol. 2, pp. 622-631, Chalkidiki, Greece, 2012.
- **Iakovidou N.**, Symeonidis P. and Manolopoulos Y.: Multiway Spectral Clustering Link Prediction in Protein-Protein Interaction Networks, *Proceedings of the 10th IEEE International Conference on Information Technology and Applications in Biomedicine (ITAB'2010)*, pp. 1-4, Corfu, Greece, 2010.

Honours and awards

- Scholar of Excellence of the State Scholarships Foundation of Greece (2014-2016).
- Scholar of Excellence of the Aristotle University Research Committee (2009).