

PERSONAL INFORMATION

Elena Loizidou

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✉ loizidou.eleni@ucy.ac.cyWORK EXPERIENCE

- September 2021 - Present **Special Research Scientist**
Center of Excellence in Biobanking and Biomedical Research,
University of Cyprus
P.I. Prof. Constantinos Deltas
- Aug 2020 - Sep 2021 **Postdoctoral Research Associate**
Department of Hygiene and Epidemiology - University of Ioannina &
Institute for Bioinnovation - BSRC Alexander Fleming - Athens
P.I. Prof Ioanna Tzoulaki & Dr. Antigone Dimas
- Sep 2020 - Dec 2020 **Data Science Contractor**
Sensyne Health - Oxford
- Dec 2019 - Aug 2020 **Postdoctoral Research Collaborator**
Cyprus Institute of Neurology and Genetics (CING)
P.I. Prof. George Spyrou & Prof. Kyproula Christodoulou
- Sep 2018 - Aug 2019 **Data Scientist/Postdoctoral Researcher**
Imperial College London
P.I. Prof. Ioanna Tzouaki & Dr. Abbas Dehghan

EDUCATION AND TRAINING

- Feb 2014 - Jan 2018 **PhD in Statistical Genetics**
Imperial College London, UK
Thesis: *"Population-based haplotype models for mapping and tagging structural variation using whole genome sequencing"*
Supervisors: Prof. Inga Prokopenko (primary), Dr. Evangelos Bellos (secondary), Dr. Lachlan Coin (secondary), Prof. Michael Johnson (secondary)
- Sep 2012 - Sep 2013 **MSc in Medical Statistics**
University of Leicester, UK
Thesis: *"Surrogate endpoints in evaluation of treatments in cancer"*
Supervisors: Prof. John Thompson, Dr. Sylwia Bujkiewicz
- Sep 2010 - Sep 2011 **MA in Mathematics Education**
Kings College London, UK

Sep 2007 - June 2010

BSc in Mathematics
University of Leicester, UK

Organisational/managerial skills

Feb 2014 - Dec 2016

Disease

(GCD) department - Imperial College London, UK

Elected as a student Representative of the Genomics of Common

Activities:

- Organising seminars (Inviting internal and external Academics and Industry members) and social events within the School of Public Health Departments
- Passing on student feedback about supervision, transferable skills courses/events, welfare and/or other educational issues

ADDITIONAL INFORMATION

Honours and Awards

PhD Project (2014-2018) Imperial College London, UK

Academic Excellence - Leventis Foundation grant (2015 - 2018)

MRC Case Studentship (2014 - 2018)

GlaxoSmithKline (2014 - 2018)

MSc in Medical Statistics (2012-2013) - University of Leicester, UK

Fees scholarship

Memberships

European Society of Human Genetics (ESHG)

International Genetic Epidemiology Society (IGES)

Publications

- **E.M Loizidou**, A. Kucherenko, P. Tatarsky, S. Chernushyn, G. Livshyts, R. Gulkovskiy, I. Vorobiova, Y. Antipkin, O. Gorodna, M.A. Kaakinen, I. Prokopenko, L. Livshits, 2021, *“Risk of recurrent pregnancy loss in Ukrainian population using a combined effect of genetic variants”*

doi: <https://doi.org/10.3390/genes12010064>

- Marios Tomazou, Marilena M Bourdakou, George Minadakis, Margarita

Zachariou, Anastasis Oulas, Evangelos Karatzas, **Eleni M. Loizidou**, Andrea C Kakouri, Christiana C Christodoulou, Kyriaki Savva, Maria Zanti, Anna Onisiforou, Sotiroula Afxenti, Jan Richter, Christina G Christodoulou, Theodoros Kyprianou, George Kolios, Nikolas Dietis, George M Spyrou, 2021, “*Multi-omics data integration and network-based analysis drives a multiplex drug repurposing approach to a shortlist of candidate drugs against COVID-19*”

doi: <https://doi.org/10.1093/bib/bbab114>

- Aristos Aristodimou, Athos Antoniadis., Efthimios Dardiotis, **Eleni M. Loizidou**, George M. Spyrou, Christina Votsi, Kyroula Christodoulou, Marios Pantzaris, Nikolaos Grigoriadis, Georgios M. Hadjigeorgiou, Theodoros Kyriakides, Constantinos S. Pattichis, 2021, “*A Framework for Efficient n-Way Interaction Testing in Case/Control Studies with Categorical data*”
doi: <https://doi.org/10.1109/OJEMB.2021.3100416>
- Inga Prokopenko et. al, 2019, “*Alzheimer’s disease pathology explains association between dementia with Lewy bodies and APOE-ε4/TOMM40 long poly-T repeat allele variants*”,
doi: <https://doi.org/10.1016/j.trci.2019.08.005>
- **Loizidou, Eleni M.**, Prokopenko, Inga, Johnson, Michael, Coin, Lachlan, Bellos, Evangelos, Medical Research Council, and GlaxoSmithKline, 2018, “*Population-haplotype Models for Mapping and Tagging Structural Variation Using Whole Genome Sequencing*”,
<https://ethos.bl.uk/OrderDetails.do?uin=uk.bl.ethos.784291>

IN PROGRESS

- **Eleni M. Loizidou**, Evangelos Bellos, Lachlan J. Coin, Michael Johnson, Inga Prokopenko, 2021, “*A genome-wide catalogue of single nucleotide polymorphisms tagging copy number variants in the 1000 Genomes project populations*”
Pre-print available - To be submitted to Genetics in Medicine
- **Eleni M. Loizidou**, A. Dimas, A. Dehghan, I. Tzoulaki, 2021, “*Genetic driven drug-repurposing linking inflammation to various phenotypes*”
- **Eleni M. Loizidou**, A. Kokkinopoulou, A. Dimas, 2021 “*FastBio, The effects of Greek Orthodox Fasting in a Northern-Greece cohort*”
- A. Georgiou, **Eleni M. Loizidou**, et. al, 2021, “*Systematic Review on Mendelian Randomization studies of Cardiovascular Disease outcomes*”