

Parisa Hariri

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ABOUT ME

I completed my PhD in Mathematics and MSc in Statistics at the University of Turku, Finland. After completion of my PhD in 2018, I worked in a pharmaceutical company on the design and analysis of clinical trials of different clinical phases and from various therapeutic areas. In September 2018, I got a postdoctoral fellowship from the Oxford Vaccine Group of the University of Oxford. There, I contributed to the design of the Covid-19 vaccine trial in collaboration with other scientists at the Vaccine Group and the Jenner Institute. My next fellowship was at the Nuffield Department of Population Health of the University of Oxford, working on a big data of half a million Chinese adults (China Kadoorie Biobank). In October 2021, I received a competitive ECTRIMS fellowship from the European Committee for Treatment and Research of Multiple Sclerosis (ECTRIMS), awarded for up to four researchers per year Europe-wide. I hold the ECTRIMS fellowship at the Turku PET Centre, working in professor Laura Airas's group. Our group is affiliated with Neurocenter Finland and the Finnish Academy flagship InFLAMES (Innovation Ecosystem based on the Immune System). At Turku PET Centre, my research includes mathematical modeling and statistical analysis of the imaging modalities (MRI and PET) using artificial intelligence and machine learning methods.

ACADEMIC POSITIONS

2021 – present **ECTRIMS Postdoctoral Research Fellow**
Turku PET Centre
Turku University Hospital
University of Turku, Finland

April 2020 – **Medical statistician and epidemiologist**
Sep 2021
Nuffield Department of Population Health
University of Oxford, UK

Sep 2018 – **Medical statistician**
Mar 2020
Department of Paediatrics
Oxford Vaccine Group
University of Oxford, UK

2014 – 2018 **UTUGS graduate school of the University of Turku**
Department of Mathematics and Statistics
University of Turku
Turku, Finland

NON-ACADEMIC POSITIONS

Feb 2018 – **Biostatistician**
 Sep 2018
 4Pharma company
 Turku, Finland

EDUCATION

2013 – 2018 **PhD in Mathematics**, University of Turku, Turku, Finland
 • Thesis title: "Hyperbolic type metrics in Geometric Function Theory"
 • Advisor: Prof. Matti Vuorinen

2017 – 2020 **MSc in Statistics**, University of Turku, Turku, Finland
 • Thesis title: "Drug-target deconvolution in cancer cell-lines"
 • Advisor: Prof. Tero Aittokallio

2008 – 2010 **MSc in Mathematics**, University of Maragheh, Iran

2003 – 2007 **BSc in Applied Mathematics**, University of Tabriz, Iran

GRANTS AND PRIZES

2014 – 2018 **UTUGS four years funded study position at the University of Turku**

2017 – 2018 **Turun Yliopistosäätiö one year grant for PhD studies**

2014 – 2017 **Travel grants: Turun Yliopistosäätiö. MATTI program of University of Turku (two times). University of Cincinnati, USA. Texas Tech University, USA. Tohoku University, Japan (two times). ISI center Chennai, India. University of Jyväskylä**

2014 – 2016 **CIMO grant - six months**

CONFERENCES AND TRAININGS

Oct 2021 **ECTRIMS congress, Vienna, Austria**

March 2021 **NDPH symposium (two talks and one poster), Nuffield Department of Population Health, University of Oxford, Oxford, UK**

March 2021 **Multimorbidity workshop (talk), Nuffield Department of Population Health, University of Oxford, Oxford, UK**

Nov 2020 **Online course: Mendelian Randomization, MRC Biostatistics Unit, University of Cambridge**

Nov 2019 **Good clinical practice course, University of Oxford, UK**

Oct 2019 **5th International Clinical Trials Methodology Conference, University of Brighton, UK**

- July 2019 Workshop, The DataLab, Creating interactive Tools From NHS Datasets DataLab, Centre for Evidence Based Medicine, University of Oxford, UK
- June 2019 The UK Paediatric Vaccine Group meeting, University of Oxford, UK
- June 2019 Adaptive designs for randomised controlled trials Workshop OXSTAT, University of Oxford, UK
- April 2019 Statistics as Alchemy: Turning data into gold, London school of Hygiene and Tropical medicine
- July 2018 Data science, statistics and visualization TU-Vienna, Austria
- July 2017 CMFT2017 (talk), Poland, Lublin
- Feb 2017 Three minutes thesis presentation seminar, University of Turku, Finland
- June 2016 Romania, Bucharest University (talk)
- July 2014,2016 Poland, Chelm (talk)
- 2013,2014,2015 Complex Analysis Workshop CHIFIN2014, Aalto University and University of Turku (talk)
- Aug 2015 Meeting for young mathematicians in Finland (talk), Aalto University
- May 2015 Modern Aspects of Complex Geometry, University of Cincinnati (poster)
- Dec 2014 International Conference "ICGFTA-2014" at IIT Kharagpur (talk)
- 2014,2015 University of Helsinki Analysis Seminar (talk)
- 2014,2015 Analysis seminar, University of Eastern Finland (talk)
- May 2014 II International conference "Geometric analysis and its applications", Volgograd, Russia (talk)

RESEARCH VISITS AND INVITED TALKS

- Dec 2021 SSL Webinar, Turku, Finland
- Jan 2018 India, Varanasi
- Oct 2017 University of Turku applied mathematics and statistics seminar
- Aug 2016,2017 Japan, Tohoku University (two weeks research visit, Tohoku and Hokkaido Universities)
- Nov 2016 Jyväskylä University, Around Analysis, Domains and Mappings
- Nov 2016 Turku, Seminar to honor the retirement of Matti Vuorinen
- Nov 2014 Red Raider mini symposium, Texas Tech University

TEACHING

- 2018 Basics of Mathematics 5

- 2013 – 2017 Teaching Assistant for 5 courses at the University of Turku
- 2007 – 2013 Differential equations, Partial differential equations, mathematics for engineers, Calculus I,II,III, University of Bonab, Iran

SUPERVISION AND SEMINARS

- 2020 – 2021 Co-supervisor of a Master student, University of Oxford, UK
- 2020 – 2021 Statistical consulting for DPhil students, University of Oxford, UK
- 2020 – 2021 Organiser of the CKB (China Kadoorie Biobank) research webinar, University of Oxford, UK

LIST OF PUBLICATIONS

See:

<https://sites.google.com/view/parisa-hariri/publications>.