

Aristeidis Sionakidis, Precision Medicine MSc, PhD, Pharmacy BSc

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LINKS

[Personal webpage](#), [LinkedIn](#), [Twitter](#), [GitHub](#), [ResearchGate](#)

PROFILE

Enthusiastic final-year PhD researcher at the crossroads of bioinformatics, cancer genomics, and machine learning. Dedicated to unlocking the potential of omic data for transformative patient outcomes. My expertise spans R, Python and state-of-the-art techniques. Eager to join forces with pioneers in the field and bring my innovative skillset in the health sector.

EMPLOYMENT HISTORY

Apr 2021 — Apr 2022

Advisor, iGEM Thessaloniki

Advisor in Bioinformatics and Data Analysis

Data analysis on Pancreatic Ductal Adenocarcinoma (PDAC) gene expression studies with a focus on the development of early-diagnosis tools for precision medicine interventions.

Jun 2017 — Jun 2018

Pharmacy internships

- 3 months at hospital, 9 months at three community pharmacies

EDUCATION

Sep 2020

PhD in Precision Medicine, University of Edinburgh

Edinburgh

MRC DTP in Precision Medicine

Project Title: Molecular Dynamics of the Response to Breast Cancer Therapies

Supervisors: Dr. Jonine Figueroa, Dr. Timothy Cannings, Dr. Andrew Sims

Skills:

- Data analysis with advanced statistical and machine learning techniques (R, R Shiny, Python)
- Bioinformatics (Differential Gene Expression Analysis, Pathway Analysis, Network Analysis, Genomics)
- Communication skills, multi-tasking, problem-solving skills, networking, self-motivation

Sep 2019 — Sep 2020

MSc in Precision Medicine and Pharmacological Innovation, University of Glasgow

Glasgow

Grade: Distinction

Dissertation supervisor: Professor Sandosh Padmanabhan

Dissertation title: Creating a patient-centric educational platform for personalised medicine

Skills:

- Data processing and analysis (R, MS Excel) and visualisations in Circos (Perl, command line)
- Building an interactive web tool for blood pressure pharmacogenomics

Sep 2013 — Jul 2018

BSc in Pharmacy, Aristotle University of Thessaloniki

Thessaloniki

Grade: 8.57/10, Equivalent in the UK: 1st class

Dissertation supervisor: Associate Professor Lefkothea Papadopoulou

Dissertation title: Cloning of IL-2 coding sequence via recombinant DNA technology.

Skills:

- Recombinant DNA technologies (PCR, cloning, bacterial transformation, restrictive enzymes etc.)
- Browsing online omics databases (GeneCards, NCBI, COSMIC etc.)

SKILLS

R, Python, Julia

Machine Learning

Linux, Bash, UNIX, Nextflow

LaTeX

SCHOLARSHIPS & AWARDS

Apr 2022	Scholar-in-training award (AACR) Doreen J. Putrah Cancer Research Foundation Scholar-in-Training Award
Sep 2021 — Present	Onassis Fonudation scholarship for PhD students Bodossaki Foundation scholarship As a MSc student (09/2019-09/2020) As a PhD student (09/2021-Present)
May 2019	Aristotle University of Thessaloniki Excellence Award
Mar 2017 — Nov 2017	Aristotle University of Thessaloniki undergraduate student scholarship

MORE SKILLS AND CERTIFICATES

“Python 3” (SoloLearn)
 “Data Science in Stratified Healthcare & Precision Medicine” ([Coursera](#))
 “Introduction to Statistics & Data Analysis for Public Health” ([Coursera](#))
 “Logistic Regression in R for Public Health” ([Coursera](#))
 “Statistics for Genomic Data Science” ([Coursera](#))
 “Python for Genomic Data Science” ([Coursera](#))
 “Network Analysis in Systems Biology” ([Coursera](#))
 “Practical Neural Networks & Deep Learning in R” (Udemy)
 “Deep Learning in Python track” (DataCamp)
 “JavaScript Essential Training” ([LinkedIn learning](#))
 “Shiny Fundamentals with R” (DataCamp)
 “Genomics for Educators” ([FutureLearn](#))
 “Full-Stack Engineering PRO Career Path” (ongoing, [Codecademy](#))

LANGUAGES	Greek	Native speaker	French	B2
	English	C2		

EXTRA-CURRICULAR ACTIVITIES

Dec 2015 — Jul 2018	Member, ATP (Aristotle Team of Pharmacy, NGO)	Thessaloniki
	Soft skills and managerial skills acquired through organizing academic seminars, conferences and social events (charity sports tournaments, open-public blood donations, team-fairs etc.).	

REFERENCES

Jonine D. Figueroa from National Institute of Health

jonine.figueroa@ed.ac.uk

Timothy I. Cannings from University of Edinburgh

timothy.cannings@ed.ac.uk