



CONTACT

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OTHER PROFILES:

- LinkedIn:
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- Twitter:
<https://twitter.com/sionakidis>
- GitHub:
<https://github.com/sionaris>
- ResearchGate:
<https://www.researchgate.net/profile/Aristeidis-Sionakidis>

HOBBIES

- Piano
- Bouzouki
- Movies
- Travelling
- Football
- Basketball

REFERENCES

Dr. Jonine Figueroa:

Chancellor's Fellow in the Usher Institute, College of Medicine and Veterinary Medicine – University of Edinburgh
jonine.figueroa@ed.ac.uk

Dr. Timothy Cannings:

Reader in Statistics and Data Science in the School of Mathematics – University of Edinburgh
timothy.cannings@ed.ac.uk

ARISTEIDIS SIONAKIDIS

Pharmacy BSc, Precision Medicine MSc, PhD

EDUCATION

University of Edinburgh (09/2020 -)

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
- Bioinformatics (Differential Gene Expression Analysis, Pathway Analysis, Network Analysis, Genomics)

University of Glasgow (09/2019 – 09/2020)

MSc in Precision Medicine & Pharmacological Innovation

Grade: Distinction

Dissertation Project:

Supervisor: Professor Sandosh Padmanabhan

Title: Creating a patient-centric educational platform for personalised medicine

Skills:

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

Aristotle University of Thessaloniki – School of Pharmacy (10/2013 – 07/2018)

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

Admission Rank (2013): 2nd

Graduation (2018): 3rd (class), 7th (year)

Undergraduate thesis project:

Supervisor: Associate Professor Lefkothea Papadopoulos

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

Skills:

- Browsing online omics databases (GeneCards, NCBI, COSMIC etc.)
- RNA extraction, cDNA synthesis, PCR
- Southern blotting, product purification
- Bacterial cultures transformation, diagnostic cuts with nucleases

PUBLICATIONS*

Sionakidis, A., McCallum, L., & Padmanabhan, S. (2021). Unravelling the tangled web of hypertension and cancer. *Clinical science (London, England: 1979)*, 135(13), 1609–1625. <https://doi.org/10.1042/CS20200307>

*3 more publications pending (including the ones for which abstracts were submitted in the AACR and EACR meetings)

SCHOLARSHIPS & AWARDS

• **Scholar-in-training award (AACR) (03/2022)**

Doreen J. Putrah Cancer Research Foundation Scholar-in-Training Award:

"A novel 14-gene signature to predict response to neoadjuvant chemotherapy and endocrine treatment in breast cancer patients"

Poster presentation

- **Onassis Foundation scholarship for PhD students**
Scholarship for PhD students (09/2021 -)
- **Bodossaki Foundation scholarship:**
Scholarship for MSc students (09/2019-09/2020)
Scholarship for PhD students (09/2021-09/2022), (10/2022 -)
- **Aristotle University of Thessaloniki Excellence Award** (05/2019)
- **Aristotle University of Thessaloniki undergraduate student scholarship**
Intern at the laboratories of Pharmaceutical Chemistry (03/2017 – 11/2017)

WORK EXPERIENCE & OTHER

iGEM Thessaloniki – Advisor in Bioinformatics and Data Analysis (04/2021-04/2022)
Data analysis on Pancreatic Ductal Adenocarcinoma (PDAC) gene expression studies – non-paid position.

- Poster Presentation: *Identification of deregulated gene expression across all stages of Pancreatic Ductal Adenocarcinoma as a platform to develop pharmacogenomics biomarkers for early diagnosis and therapy.*
EACR 2022 Annual Congress Seville (June 2022)

Internships at hospital and community pharmacies (07/2017-07/2018)

3 months at "AHEPA" General Hospital, Thessaloniki

9 months at three different community pharmacies in Thessaloniki and Lefkas

Military Duty (09/2018 – 06/2019)

3-month service in the island of Lemnos and 6-month service in the Emergency Unit of 424 General Military Hospital of Thessaloniki.

PERSONAL SKILLS

Managerial/Soft Skills

- 2015 – 2018: Member of the NGO "Aristotle Team of Pharmacy" (IT division).
- Managerial skills acquired through organizing academic seminars, conferences and social events (charity sports tournaments, open-public blood donations, team-fairs etc.) during my time as a member of the Aristotle Team of Pharmacy.

Digital Skills

- Advanced knowledge in operating **Microsoft Software**.
- Advanced knowledge of **R, Python, SPSS**
- Intermediate knowledge of **HTML, CSS, JavaScript, Perl**
- **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 (in R)" ([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](#))

Language

- Mother language: Greek
- English: Proficient in understanding, speaking, and writing in English.
Certificate of Proficiency in English (University of Michigan, Level C2).
- IELTS Score: 8.0 (Exam taken on 04/2019)
- French: Independent user. Degree: Diplome d' études en langue française (DELF) B2