

Dr AIKATERINI TSAOUSI

LIFE SCIENTIST - EDUCATOR - DATA ANALYST

Kat-Bristol 

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SUMMARY

Cell Biologist specialized in Genetics and Immunology with over a decade of experience in academia and clinical research, contributing to internationally published work and securing research funding. Recognized for exceptional teaching ability, adept at translating complex scientific concepts into engaging, accessible learning experiences for diverse audiences. After nearly 10 years of teaching experience in secondary and further education, I am eager to leverage my analytical skills, research expertise, and strong ability to convey complex information effectively to provide useful data-driven insights and pursue a career in Data Analytics/Data Science.

EDUCATION

- 2024
Data Science Bootcamp
iO Academy (Bath, UK)
- 2008
PhD Clinical Science
University of Bristol (UK)
- 2003
MSc Clinical Laboratory Sciences
University of Newcastle (UK)
- 2002
MSc Genetics with Immunology
Brunel University (London, UK)
- 2001
BSc (Hon) Biology
University of Patras (Greece)

KEY SKILLS

- Python, SQL, Machine Learning Models
- Exploratory Data Analysis & Visualization (matplotlib, seaborn).
- Strong organizational and time-management skills
- Exceptional communication and interpersonal skills
- Advanced Problem Solving & Analytical Skills
- Public speaking, engagement & outreach (STEM ambassador)

WORK EXPERIENCE

Biology Lecturer

City of Bristol College (UK) | 2017 - Present

- 16-19yr old learners: A-level Biology and BTEC Health & Social Care
- Adult learners: GCSE and A level Biology (intensives), Access to Science/Environmental Science
- Climate Change L2 course - Ecology principles (conservation/sustainability)

Science Teacher

Various Recruitment Agencies (UK) | 2016 - 2017

- Type of schools: Grammar, independent, private(?)
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Inside Sales Support Scientist

Advanced Cell Diagnostics (ITALY) | 2015

- Commercial (80%) and logistics (20%) activities.
- Use of Salesforce software platform to create and manage accounts, leads/contacts, quotes etc
- Act as liaison between sales agents all over the EU area and the company's main products distribution centre in Milan, Italy.
- Introduce, explain and promote RNAscope technology in both research and diagnostic laboratories all around Europe.

Yoga Teacher

Self Employed, | 2013 - present

- Offering adult Hatha Yoga classes, workshops and retreats
- Creation and delivery of Anatomy & Physiology workshops for Yoga Teacher Trainees (in person and online syllabus)
- Creation and maintenance of scienceofyoga.co.uk website

CERTIFICATIONS

- **L2 Digital Marketing** (Partners in Bristol - Mar 2025)
- **Intro to Machine Learning** (CFG - Feb 2025)
- Python & Apps (CFG - 2025)
- Data & SQL (CFG - 2025)
- **Intro to Data** (CFG - Feb 2025)
- Carbon Literacy
- Biodiversity
- **Qualified Teacher Status** (UK Gov - 2015)
- Certificate in **Good Clinical Practice** (Infonetica - Mar 2012)
- **L3 Supervisory Management** (City of Bristol College - Jan 2007)
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LANGUAGES

- Greek: Native speaker
- English: Advanced professional level
- Italian: Intermediate (B2) level
- Spanish: Intermediate (B1) level

OTHER INTERESTS

I regularly practice yoga and enjoy swimming, cycling, and hiking. I am passionate about Argentine tango, reading, and exploring different cultures through cooking, visual arts, crafts and travel.

Post-doctoral Associate

University of Bristol (UK) | 2012 - 2015

- Research projects - for details please see my LinkedIn profile
- Planning, designing and conducting own and others wet lab experiments.
- Data analysis, interpretation of results and regular presentation of summary findings
- Networking and collaborating with other researchers
- Writing scientific papers and project grant applications
- Help with initial set-up of a new e-learning MSc course
- Co-supervision and training of students and technical staff
- Peer reviewing journal papers for publication

Managing Director

Cotham Management Ltd (UK) | 2010 - present

- Keep records of income, expenditure, assets and liabilities.
- Manage resources and funds for adequate building maintenance.
- Submit the annual return and accounts to companies house.
- Hold quarterly directors' meetings and also chair the AGM.

Post-doctoral Assistant

University of Bristol (UK) | 2008 - 2012

- Demonstrations of specialised lab equipment and support to new staff and students as needed
- Conducted research on various projects related to the molecular mechanisms that underpin atherosclerosis
- Day to day experimental planning/design
- Data collection, analysis and interpretation of results
- Record keeping & presentation of findings
- Collaborating with other researchers
- Contributing to the writing of scientific papers
- Contributing to the writing of grant projects
- Ordering consumables via procurement system
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REFERENCES: available upon request