Sokratia Georgaka
Academic (Teaching and Research) Lecturer
Division of Informatics, Imaging & Data Sciences (L5)

## Qualifications

Master of Science, Physics and Technology of Nuclear Reactors, University of Birmingham
Award Date: 10 Dec 2014

Bachelor of Science, Physics, University of Ioannina
1 Oct 2008 → 25 Feb 2013
Award Date: 19 Apr 2013

Doctor of Philosophy, Reduced Order Models for Nuclear Reactor Thermal Hydraulics, Imperial College London
Oct 2016 → Apr 2020

## Employment

### Lecturer in Artificial Intelligence

Academic (Teaching and Research) Lecturer

Division of Informatics, Imaging & Data Sciences (L5)

The University of Manchester

1 Aug 2024 → present

## Research outputs

### CellPie: a scalable spatial transcriptomics factor discovery method via joint non-negative matrix factorization

Georgaka, S., Morgans, W., Baker, S. M., Zhao, Q., Sanchez Martinez, D., Ali, A., Bristow, R., Ghafoor, M., Iqbal, M. & Rattray, M., 11 Apr 2025, In: Nucleic acids research. 53, 6, gkaf251.

### A hybrid reduced order method for modelling turbulent heat transfer problems

Georgaka, S., Stabile, G., Star, K., Rozza, G. & Bluck, M., 15 Aug 2020, In: Computers & Fluids. 208, 104615.

### Parametric POD-Galerkin Model Order Reduction for Unsteady-State Heat Transfer Problems

Georgaka, S., Stabile, G., Rozza, G. & Bluck, M., Jun 2020, In: Communications in Computational Physics. 27, 1, p. 1-32 32 p., Vol. 27.