

Sokratia Georgaka
Research Only
Division of Diabetes, Endocrinology & Gastroenterology (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

Research Associate (Computational)

Research Only
Division of Diabetes, Endocrinology & Gastroenterology (L5)
The University of Manchester
1 Nov 2023 → present

Research outputs

Hypoxia coordinates the spatial landscape of myeloid cells within glioblastoma to affect survival

Haley, M. J., Bere, L., Minshull, J., Georgaka, S., Garcia Martin, N., Howell, G., Coope, D., Roncaroli, F., King, A., Wedge, D. C., Allan, S. M., Pathmanaban, O. N., Brough, D. & Couper, K. N., 1 Apr 2024, (Accepted/In press) In: Science Advances.

Non-parametric modelling of temporal and spatial counts data from RNA-seq experiments

Bintayyash, N., Georgaka, S., John, S. T., Ahmed, S., Boukouvalas, A., Hensman, J. & Rattray, M., 1 Nov 2021, In: Bioinformatics (Oxford, England). 37, 21, p. 3788-3795 8 p.

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., Jan 2020, In: Communications in Computational Physics. 27, p. 1-32 Vol. 27.

POD-Galerkin reduced order model for the Boussinesq approximation for buoyancy-driven enclosed flows

Star, K., Stabile, G., Georgaka, S., Belloni, F. & Rozza, G., 2019, *Building theory and applications: proceedings of M&C 2019*. American Nuclear Society, p. 2452-2461