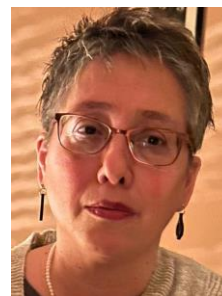


CURRICULUM VITAE

Dr Stamatia Papoutsopoulou
Assistant Professor of Molecular Immunobiology

Department of Biochemistry & Biotechnology
University of Thessaly
Viopolis Campus
415 00, Larissa, Greece



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Current UK and Greek passport holder

Strong background in immunology and omics approaches, as well as cellular and molecular biology and signalling. Research area focused on signalling pathways and transcriptional regulation during responses to acute and chronic inflammatory responses related to infectious diseases. Extensive experience in the design, development, and implementation of research strategy. Experience in writing scientific proposals, budgeting, and overall project management. Associate Fellow of the Higher Education Academy (AFHEA). Native speaker in Greek. Fluent in English.

Areas of expertise

- Transcriptional pathways and cell signalling in immune responses
- Assay development and biomarker research
- Design and management of transgenic animal lines
- Experience in teaching at higher education and supervising research projects at different levels
- Project management in different research areas
- Experience in writing research proposals for UK and EU funding

EMPLOYMENT

January 2023 – today/ Honorary Visiting Senior Fellow

Department of Infection Biology & Microbiomes, University of Liverpool, Liverpool, UK.

September 2021- today/ Assistant Professor of Molecular Immunobiology

Department of Biochemistry and Biotechnology, University of Thessaly, Larisa, Greece. • Develop independent research on designing better diagnostics and drugs related to inflammatory bowel disease and on gut-brain communication, and the effect of gastrointestinal infections, bacterial or/and viral, in the development and progress of Parkinson's disease • Actively seek external funding: I obtained funding from the Greek government to study novel small molecules as potential inhibitors of the NF-kappa B transcription factor pathway and I am currently in process of submitting a Twinning Horizon EU proposal in collaboration with University of Liverpool, UK, and University of Wageningen, Netherlands • Establish collaborations and liaise with chemists and molecular biologists of the department, as well as with pharmacologists and clinicians in the department of medicine • Participate in the Staff Entrepreneurial Training Programme, in order to develop and commercialise original scientific findings • Lead the undergraduate immunology module in Greek and English (for the Erasmus visiting students) • Participate in postgraduate teaching modules in the Faculty of Life Science • Supervise the research projects of undergraduate and postgraduate students and I am a member of supervisory PhD student committees. • I am member of the steering committee of postgraduate course, the department's Internal Evaluation Group and the department's outreach committee.

November 2017- September 2021/Post-Doctoral Research Associate

Department of Molecular and Cellular Physiology, Department of Molecular & Clinical Cancer medicine, and Department of Clinical Infection, Microbiology and Immunology, University of Liverpool, UK. • Developed own ideas into a research project in epigenetics of intestinal organoids that was successfully funded by Wellcome trust/University of Liverpool and the outcomes were published in peer-reviewed journal • Developed own research based on omics data and supported an MSc research project that also led to a publication and has the potential to link specific immune cells with defence to norovirus infection • Actively contributed to initiation, design and execution of research project that led to a publication the role of the intestinal epithelium-specific interleukin-10 in gut immunology and response to infections • Contributed to research proposal writing and development, such as MRC research grant funding • Participated in undergraduate group-based teaching sessions • Became an Associate Fellow of the UK Higher Education Academy (AFHEA), after successfully completing the relevant course • Supervised and mentored postgraduate students, MSc and PhD • Managed and coordinated orders for all laboratories in the research unit, as well as organise and provide inductions to new members

October 2014 - November 2017/ Post-Doctoral Research Associate

Lydia Becker Institute of Immunology and Inflammation, Faculty of Biology, Medicine and Health, University of Manchester, UK. • Developed methodologies and protocols as novel diagnostics in inflammatory bowel disease and managed the interactions among partners towards successful research publications • Developed in vivo confocal imaging of experimental animals in collaboration with the manager of the imaging core facility of the University • Liaise with scientists and clinicians from all partner institutes in UK, Europe and Israel • Manage and coordinate the maintenance and use of all transgenic mouse lines • Participated in undergraduate teaching • Supervised PhD, Master and undergraduate students of our research group

April 2002 – August 2014/ Senior Investigation Scientist

Division of Immune Cell Biology, National Institute for Medical Research (MRC), London, UK. • Managed research projects from initiation, design and execution that led to important scientific publications in the field of signalling and transcriptional regulation in innate and adaptive immune responses in various experimental models mimicking acute or chronic infections • Introduced RNA sequencing analysis in the lab as the most potent approach of analysing the transcriptome in biological systems • Scientific observation that not only led to a first authorship publication, but initiated research projects in immune responses towards viral infections • Designed, and optimised immunoassays • Laboratory management to include the coordination of regular safety checking, servicing and maintenance regimes for laboratory equipment, maintaining health and safety and COSHH records • Wrote Standard Operating Procedures (SOPs), ordering reagents and equipment • Implementing and developing new methodologies, protocols that contribute to project goals (such as in vivo metabolic labelling of primary macrophages) • Maintained an awareness of current developments and understanding the scientific literature revolving around a project • Working closely with project teams and line management ensuring a high level of quality and timely delivery of results and reports • Supervised and trained other team members to include the training of new techniques • Holder of a UK Animals scientific procedures personal license • Lead scientific manager for the experimental animal breedings, genotyping and maintenance of all the experimental lines • Organised the import and re-derivation of new mouse strains, and the cryopreservation of existing lines and the import of new Embryonic Stem (ES) cells, which involves their mandatory MAP testing, confirmation of genotype by Southern blotting and/or PCR, and karyotyping • Liaised with the staff of the Division of Biological Services to ensure effective communication and use of experimental animals

March 2000 - April 2002/Medical Scientist

Department of Immunology and Microbiology, Giannitsa General Hospital, Greek National Health System, Giannitsa, Greece. • Active member of the microbiology laboratory team • Provided regular and on call service.

January 1999 - February 2000/ Postdoctoral fellow

Department of Biochemistry and Molecular Biology, School of Medicine (Mayo Clinic, Rochester, Minnesota, USA).

- Managed research projects from initiation, design, execution and communication of results.
- Organised laboratory work and routine •Supervising undergraduate students

September 1996 - September 1998/ Postdoctoral fellow

Laboratory of Biochemistry, Department of Organic Chemistry and Biochemistry, School of Chemistry, Aristotelian University of Thessaloniki, Greece.

- Managing research projects from initiation, design, execution and communication of results
- Organising laboratory •Supervising undergraduate students

EDUCATION

Qualifications

2019 •Associate Fellow of the Higher Education Academy (AFHEA), recognised by the UK Professional Standards Framework (UKPSF)

January 2019: Level 5 Award in Leadership and Management (600/5855/9), awarded by the City and Guilds of London Institute, London, UK

1992 – 1996: PhD thesis entitled “Production of xanthan gum by genetically improved strains of *Xanthomonas campestris*. Purification and characterisation of the enzyme phosphomannose isomerase”, in the Laboratory of Biochemistry, School of Chemistry, Aristotelian University of Thessaloniki, Thessaloniki, Greece

1991: B.Sc. (Hons) Biology, Aristotelian University of Thessaloniki, Greece Aristotelian University of Thessaloniki, Thessaloniki, Greece

1990 – 1991: Diploma thesis entitled “The effect of epinephrine on the metabolism of perfused pigeon heart” in the Laboratory of Animal Physiology, School of Biology, Aristotelian University of Thessaloniki, Thessaloniki, Greece.

Training

2024 • Higher Education course about support of teaching and learning, May 8th – June 26th, University of Thessaly, Greece

2023 • Online webinar entitled ‘Training of Trainers’, Athens Medical Association, December 12

- Staff Entrepreneurial Training Programme, January 15 – November 31, University of Thessaly, Greece.
- Higher Education course about support of teaching and learning, May 8th – June 26th, University of Thessaly, Greece

2022 •Equality and Diversity course and GDPR course for higher education, University of Thessaly, Greece.

2018 •Good Clinical Practice course organised by National Institute for Health Research (NIHR), December, Manchester, UK •Symposium entitled ‘Informatics for Stratified Medicine and Biomarker Discovery’, March 8, University of Manchester, Manchester, UK.

2017 •Meeting at the Royal Society entitled ‘Frontiers in Epigenetic Chemical Biology’, May 22-23, Royal Society, London, UK

2015 •Royal College of Physicians Updates in Medicine, December 5, York, UK

2014 •Negotiation Skills Course, March 7, NIMR, London, UK

2013 •Bioinformatics Workshop, April 22-24, NIMR, London, UK •Influencing Skills Course, March 6, NIMR, London, UK •Introduction to Management Course, January 30-31, NIMR, London, UK

2001 •Participation in the 16th Greek Medical Conference, April 26-28, Thessaloniki, Greece

1995 •FEBS course entitled “Advanced course on methods in protein structure analysis”, May 1-7, Halkidiki, Greece •Commett course entitled “Applications in Biotechnology”, May 22-26, Thessaloniki, Greece •EMBO course entitled “EMBO practical course in microsequence analysis of proteins”, September 10-15, Berlin, Germany.

Fellowships - Awards

January 1994 - June 1996: Greek National Institute of Fellowships, Postgraduate fellowship in Biotechnology

November 1991 - December 1993: General Secretariat for Research and Technology, Postgraduate fellowship

September 1989 - August 1991: Greek National Institute of Fellowships, Graduate fellowship

TEACHING

Student exchange programmes

2022: Responsible for Erasmus bilateral agreement with University of Edge Hill, Liverpool, UK

Teaching – Undergraduate level

2022-today

- Lead for the undergraduate Immunology modules, Department of Biochemistry and Biotechnology, University of Thessaly.

2019

- Teaching physiology to 3rd year undergraduate students, University of Liverpool

2018

- Teaching assistant in Physiology during group-based learning for year 1 MBChB GI undergraduate students, University of Liverpool

October 2017 – November 2017

- Teaching assistant in Genetics and Immunology during group-based learning for Year 2 Biology undergraduate students, University of Manchester

October 2016 – June 2017

- Teaching assistant during group-based learning for Year 3 Genetics undergraduate students, University of Manchester

January 1998 – December 1999

- Teaching Biology, Biochemistry of nutrition and Genetics to qualified primary school teachers as part of a national upgrading scheme in the Higher Academy of Education. Aristotelian University of Thessaloniki, Thessaloniki, Greece.

September 1993– June 1995

- Teaching Biochemistry, Undergraduate students, in Vocational training institute, Thessaloniki, Greece

January 1992 – June 1996

- Teaching Methods in Laboratory Microbiology in Veterinary School, and Clinical Biochemistry in School of Chemistry, Aristotelian University of Thessaloniki, Thessaloniki, Greece

Teaching – Postgraduate courses

- ‘Molecular biology applications – Molecular genetics – Molecular markers’ postgraduate course, Department of Biochemistry and Biotechnology, University of Thessaly
- ‘Translational Research in Biomedicine’ postgraduate course, Department of Molecular Biology & Genetics, Democritus University of Thrace.
- ‘Clinical applications of Molecular Medicine’ postgraduate course, Department of Medicine, University of Thessaly.
- ‘Neurosciences’ postgraduate course, School of Health Sciences, University of Crete.

Supervision of Undergraduate students

Department of Biochemistry and Biotechnology (DBB), University of Thessaly, Greece.

2024

- *In vitro* proliferation studies on B lymphocytes from patients with primary immunodeficiencies.
- *In vitro* proliferation studies on T lymphocytes from patients with primary immunodeficiencies.

- Studies of various macrolides on the canonical NF- κ B activation pathway in epithelial cells.
- Activation status of RelA in biopsies from patients with skinsquamous cell carcinoma and skin actinic keratosis.
- The role of the rs1834481 of the interleukin 18 gene (IL18) during infections in children with solid tumours and hematologic malignancies.
- Studies on possible correlation of the VSIG4 gene in patients with neutropenia and complement deficiencies.
- The role of the rs2569190 of the CD14 gene during infections in children with solid tumours and hematologic malignancies.
- The role of the rs2043211 of the CARD8 gene during infections in children with solid tumours and hematologic malignancies.

2023

- Combination of bioinformatics and immunological studies on pathways involved in Parkinson's disease.
- Regulation of NF-kappa B in monocytes and macrophages from human peripheral blood.
- Study of small organic molecules and their effect on NF-kappa B transcriptional activity in human epithelial cells'.
- Qualitative and Quantitative characterization of Dendritic cells in human endometrium.
- Qualitative and Quantitative characterization of Natural Killer cells in human endometrium.
- Studies on rat retina during hypoxia'.
- Application of confocal microscopy on histopathology of human bone marrow.
- Differential expression of activated Erk1/2 during *ex vivo* ischemia in and reperfusion of rat retina.

2022

- Analysis of SORLA expression in leucocytes and in serum from health and Parkinson's disease patients.
- Analysis of p65/NF-kappa B expression and activation pattern in leucocytes from health and Parkinson's disease patients.
- Genetic analysis of TLR2 and TLR4 in immune cells of peadiatric patients with lymphoma.
- Effect of maternal alcoholism on glial activation status in neonatal rat brain.

2021

- Research on lncRNA RECUR1 with RNAi and CRISPR methods in cancer.
- Core genome analysis of E. coli strains with Bioinformatics methods.

University of Liverpool, UK

2020

- Analysis of ATAC-sequencing data in murine intestinal organoids'. Faculty of Health & Life Sciences, University of Liverpool, UK, (co-supervision with B. Campbell).

Supervision of Postgraduate students

2024

- Analysis and correlation of long non-coding RNAs with primary immunodeficiencies (Supervisor)
- Study of small organic molecules on the NF- κ B pathway in cell types that are important in inflammatory bowel disease. Department of Biochemistry and Biotechnology, University of Thessaly, Greece. (Supervisor)
- Oxidized LDL inflammatory effect on macrophages and the NF- κ B pathway. Department of Medicine, University of Thessaly, Greece. (Supervisor)
- Study of small organic molecules on the NF- κ B pathway in macrophages and advanced bioinformatic study. Department of Biochemistry and Biotechnology, University of Thessaly, Greece. (Supervisor)

2022: -Functional analysis of the regulation and function of non-coding RNA in gastric cancer. Department of Biochemistry and Biotechnology, University of Thessaly, Greece. (Member of the supervisory committee).

2020: 'Studies on the Macrophages from the p65/I κ Ba transgenic mouse'. Faculty of Health & Life Sciences, University of Liverpool, UK, (co-supervision with B. Campbell).

2019

- 'Transcriptional effect of the p65 human transgene in macrophages of the p65DsRed/lkBaEGFP transgenic mouse'. Faculty of Health & Life Sciences, University of Liverpool, UK, (co-supervision with B. Campbell).
- 'Genetic transformation of the Caco2 cell line using a novel lentivirus expressing system', Faculty of Health Sciences, University of Liverpool, UK, (co-supervision with M. Pritchard).
- 'The role of Interleukin-10 and the effect on NF-κB activity in the Inflamed Bowel', Faculty of Health & Life Sciences, University of Liverpool, UK, (co-supervision with B. Campbell).

2018: 'Investigating the effect of Nfkb2 deletion on the expression of IFN-γ-inducible GTPase and CD22 in the murine small intestine', Faculty of Health Sciences, University of Liverpool, UK, (co-supervision with M. Pritchard).

2017: Biological characterisation of the novel cytokine IL-32 in transgenic mouse models', Faculty of Biology, Medicine and Health, University of Manchester, UK, (co-supervision with W. Muller).

2014: 'Investigating the role of TPL-2 signalling in macrophage foam cell formation and pro-inflammatory gene expression in atherosclerosis', Imperial College, Faculty of Medicine, London, UK (co-supervision with S. Ley).

Co-supervision of PhD students

- 1.(2022-). Studies on sortilin role in dementia. Department of Medicine, University of Thessaly, Greece.
2. (2023-). Prevalence and cognitive impairment development in long covid patients and correlation with biological markers. Department of Medicine, University of Thessaly, Greece.

PhD viva committee member

1. 2024: "Exploring the interactome of IKKα and its role in alternative RNA splicing in lung cancer ", University of Ioannina, Greece.
2. 2024: "Studies on new autoantibodies as biomarkers for autoimmune neurological diseases ", University of Thessaly.
3. 2023: "West Nile virus: immunogenetic studies on humans", University of Thessaly.

PUBLICATIONS/CONFERENCES

I have 41 publications in peer-review journals and in 11 of them I am corresponding author and 35 participations in conferences. Since 2000 I have been an invited speaker in 18 meetings in both Greece and UK.

- \$1** P. Ntavaroukas, K. Michail¹, R. Tsiakalidou, E. Stampouloglou, K. Tsiggene, D. Komiotis, N. Georgiou, T. Mavromoustakos, S.Manta, D. Aje, P.Michael, B. J. Campbell and **S. Papoutsopoulou**. (2024) A novel quinoline inhibitor of the canonical NF-κB transcription factor pathway. **Biology** 2024, 13, 910. <https://doi.org/10.3390/biology13110910>
- \$2** M. Georgoula, P. Ntavaroukas, B.J. Campbell and **S. Papoutsopoulou**. (2024) The role of epigenetics as an underlying regulator of the immune responses in Parkinson's disease. **Epigenetics Reports** 2:1, 1-14, DOI: 10.1080/28361512.2024.2401340
- 3** D. Tsavlis *, K. Domvri, K.Porpodis, D.Anestakis, **S. Papoutsopoulou**, A. Tzoumaka, S. Meditskou, C. Simeonidou, E. Spandou. (2024) Erythropoietin reduces inflammation, oxidative stress, and apoptosis in a rat model of bleomycin-induced idiopathic pulmonary fibrosis. **J. Person.Med.** J Pers Med. 2024 Sep 13;14(9):972. doi: 10.3390/jpm14090972.
- 4** J. Saponjic, R. Mejías, N. Nikolovski, M. Dragic, A. Canak, **S. Papoutsopoulou**, Y. Gursoy Ozdemir. K.E. Fladmark, P. Ntavaroukas, N.B. Muluk, M. Zeljkovic Jovanovic, Á. Fontán-Lozano, C. Comi and F. Marino. (2024) *Experimental* models to study immune dysfunction in the pathogenesis of Parkinson's Disease. **Int J Mol Sci.** Apr 14;25(8):4330. doi: 10.3390/ijms25084330.
- \$5** M. Georgoula, P. Ntavaroukas, A. Androutsopoulou, G. Xiromerisiou, F. Kalala, M. Speletas, E. Asproдини, A. Vasilaki and **S. Papoutsopoulou**. (2024) Sortilin expression levels and peripheral immunity: A potential biomarker for segregation Parkinson's Disease Patients and Healthy Controls. *Int. J. Mol. Sci.* 25(3), 1791; <https://doi.org/10.3390/ijms25031791>

- \$6 G. Xiomerisiou, C. Marogianni, A. Androutsopoulou, P. Ntavaroukas, D. Mysiris and **S.Papoutsopoulou** (2023) Strong gut feelings among intestinal microbiome, cytokines and Parkinson's disease. *Biology* 12(1), 93; <https://doi.org/10.3390/biology12010093>
- \$7 G. Xiomerisiou, C. Marogianni, I. C. Lampropoulos, E. Dardiotis, M. Speletas, P. Ntavaroukas, A. Androutsopoulou, F. Kalala, N. Grigoriadis, **S. Papoutsopoulou**. (2022) Peripheral inflammatory markers, TNF-a and CCL2 revisited: association with Parkinson's disease severity. *Int. J. Mol. Sci* Dec 23;24(1):264. doi: 10.3390/ijms24010264.
- 8 **S. Papoutsopoulou**, L. Pollock, J. M. Williams, M. M. L. F. Abdul-Mahdi, R. Dobbash, C. A. Duckworth and B. J. Campbell (2022). Interleukin-10 deficiency impacts on TNF-induced NF- κ B regulated responses. *Biology* 2022, 11(10),1377; <https://doi.org/10.3390/biology11101377>.
- 9 D. S. Mysiris , G. D. Vavougios, E. Karamichali, **S. Papoutsopoulou**, V.T. Stavrou, E. Papayianni, S. Boutlas, T. Mavridis, P. Foka, S. G. Zarogiannis, K. Gourgoulialis and G. Xiomerisiou. (2022) Post-COVID-19 Parkinsonism and Parkinson's disease pathogenesis: Look inside the exosomal cargo. *Int. J. Mol. Sci.* 2022 Aug 28;23(17):9739. doi: 10.3390/ijms23179739.
- 10 **S. Papoutsopoulou**, * J Tang, * AH Elramli, JM Williams, N Gupta, FI Ikuomola, R Sheibani-Tezerji, MT Alam, JR Hernández-Fernaund, JH Caamaño, CS Probert, W Muller, CA Duckworth, and DM Pritchard (2022) Nfkb2 deficiency and its impact on murine small intestinal mucosa. *Am J Physiol Gastrointest Liver Physiol.* 2022 Aug 2. doi: 10.1152/ajpgi.00037.2022.
- \$11 **S. Papoutsopoulou**, L. Morris, A. Bayliff, T. Mair, H. England, M. Stagi, F. Bergey, M.T. Alam, R. Sheibani-Tezerji, P. Rosenstiel, W. Müller, V.A.P. Martins Dos Santos, B.J. Campbell. (2022) Effects of human RelA transgene on murine macrophage inflammatory responses. *Biomedicines*. 10(4), 757; <https://doi.org/10.3390/biomedicines10040757>
- 12 L. Blair, M.J. Pattison, P. Chakravarty, **S. Papoutsopoulou**, Bakiri L, Wagner EF, Smale S, Ley SC. TPL-2 Inhibits IFN- β Expression via an ERK1/2-TCF-FOS Axis in TLR4-Stimulated Macrophages. *J Immunol.* (2022) Jan 26;ji2100213. doi: 10.4049/jimmunol.2100213. Epub ahead of print. PMID: 35082159.
- 13 H.L. Simpson, C.L. Roberts, L.M. Thompson, C.R. Leiper, N. Gittens, E. Trotter, C.A. Duckworth, **S. Papoutsopoulou**, F. Miyajima, P. Roberts, N. O'Kennedy, J.M. Rhodes and B.J. Campbell. (2021) Soluble non-starch polysaccharides from plantain (*Musa paradisiaca*) diminish epithelial impact of *Clostridioides difficile*. *Front. Pharmacol.*, 10 December 2021 | <https://doi.org/10.3389/fphar.2021.766293>
- \$14 **S. Papoutsopoulou**, L. Pollock, C.Walker, W. Tench, S.S. Samad, F. Bergey, L. Lenzi, R. Sheibani-Tezerji, P. Rosenstiel, M.T. Alam, Vitor A. P. Martins Dos Santos, W. Müller, B.J. Campbell (2021) Impact of interleukin 10 deficiency on intestinal epithelium responses to inflammatory signals *Frontiers Immunol.* <https://doi.org/10.3389/fimmu.2021.690817>
- \$15 **S. Papoutsopoulou** and B. J. Campbell. Epigenetic Modifications of the NF-kappa B Signalling Pathway and its Impact on Inflammatory Bowel Disease. (2021) *Curr Pharm Des.* Feb 18. doi: 10.2174/1381612827666210218141847.
- 16 Harman NL, Sanz-Moreno A, **Papoutsopoulou S**, Lloyd K, Ameen-Ali K, Macleod M and Williamson PR. Can harmonisation of outcomes bridge the translation gap for pre-clinical research? (2020) *J.Trans. Med.* Dec 9;18(1):468. doi: 10.1186/s12967-020-02649-6.
- 17 *K. Lloyd, **S. Papoutsopoulou**, E. Smith, P. Stegmaier, F. Bergey, L. Morris, M. Kittner, H. England, D. Spiller, M. HR White, C. A. Duckworth, B.J. Campbell, V. Poroikov, V. AP Martins dos Santos, A. Kel, W. Muller, D.M. Pritchard, C. Probert, M.D. Burkitt, the SysmedIBD consortium (2020) Using systems medicine to identify a therapeutic agent with potential for repurposing in inflammatory bowel disease. *Dis. Mod and Mech.* Sep 21;dmm.044040. doi: 10.1242/dmm.044040. Online ahead of print.*Lloyd K. and Papoutsopoulou S, contributed equally
- 18 First person – Katie Lloyd and **Stamatia Papoutsopoulou**. (2020) *Dis. Mod and Mech.* 13: dmm047506 doi: 10.1242/dmm.047506 Published 27 November 2020.
- 19 F. Minshawi, S. Lanvermann, E. McKenzie, R. Jeffery, K. Couper, **S. Papoutsopoulou**, M. Paulsson, A. Axel Roers, and W. Muller. The generation of a covalently linked interleukin-10 dimer with improved stability and biological function. *Front Immunol.* 2020 Aug 11;11:1794. doi: 10.3389/fimmu.2020.01794. doi: 10.1038/s41598-018-36969-x
- \$20 **S. Papoutsopoulou**, J. Satsangi, B.J. Campbell and C. Probert. Review article: Impact of cigarette smoking on intestinal inflammation - direct and indirect mechanisms. (2020) *Aliment. Pharmacol. Therap.*; 51(12): 1268-1285.

- 21 K.A. Lloyd, B.N. Parsons, M.D. Burkitt, A.R. Moore, **S. Papoutsopoulou** M. Boyce, C.A. Duckworth, K. Exarchou L. Rainbow, Y. Fang, C. Oxvig, S. Dodd, A. Varro, N. Hall and D.M. Pritchard. Netazepide inhibits pregnancy-associated plasma protein-A2 expression in type-1 gastric neuroendocrine tumors (2020) *Cell Mol Gastroenterol Hepatol.* Jan 28; 10(1):113-132.
- \$22 **S. Papoutsopoulou**, M.D. Burkitt, F. Bergey, H. England, R. Hough, L. Schmidt, D.G. Spiller, M.H.R. White, P. Paszek, D.A. Jackson, V.A.P. Martins Dos Santos, G. Sellge, D.M. Pritchard, B.J. Campbell, W. Muller, C. Probert Macrophage-Specific NF- κ B Activation Dynamics Can Segregate Inflammatory Bowel Disease Patients. (2019) *Front. Immunol.* Sep 11; 10:2168. doi: 10.3389/fimmu.2019.02168.
- \$23 F. Minshaw, M. White, N. Humphreys, D.A. Jackson, W. Muller, *A. Adamson, and S. **Papoutsopoulou**. Human TNF-Luc reporter mouse: A new model for measuring inflammatory response (2019) *Scientific Reports* Jan 17;9(1):193
- 24 G. Sellge, **S. Papoutsopoulou**, J. Verdier, C. Trautwein, F. Bergey, M. Burkitt, R. Sheibani, M. Pierik, D. Jonkers, M. White, P. Paszek, V. Martins dos Santos, P. Rosenstiel, W. Müller, C. Probert, SysmedIBD Consortium. DOP049 Inflammatory dyskinesia: defects of NF- κ B dynamic behaviour as a new potential biomarker for personalized medicine in inflammatory bowel disease (2017) *J.Crohn's Colitis* 11(Supl1) S55-S56.
- 25 Y. Kannan, J. Perez-Lloret, Y. Li, L.J. Entwistle, H. Khoury, **S. Papoutsopoulou**, R. Mahmood, N.R. Mansour, S. Ching-Cheng Huang, E.J. Pearce, L. Pedro S de Carvalho, S.C. Ley, M.S. Wilson. TPL-2 regulates macrophage lipid metabolism, and M2 differentiation to control TH2-mediated immunopathology (2016) *PLoS Pathogens* Aug 3;12(8).
- 26 E. Jacque, E.S. Schweighoffer, A. Visekruna, S. Papoutsopoulou, J. Janzen, R. Zillwood, D. Tarlinton, V. Tybulewicz and S.C. Ley. IKK-induced NF- κ B p105 proteolysis is critical for B cell antibody responses to T-dependent antigen (2014) *J.Exp. Med* 211(10): 2085-101
- 27 *H.T. Yang, **S. Papoutsopoulou**, M. Belich, C. Brender, J. Janzen, T. Gantke, M. Handley, S.C. Ley. Coordinated regulation of TPL-2 and NF- κ B signalling in macrophages by NF- κ B p105. (2012) *Mol Cell Biol.* 2012 Sep;32(17):3438-51, doi: 10.1128/MCB.00564-12* Yang HT and Papoutsopoulou S, contributed equally
- 28 Yang HT, Wang Y, Zhao X, Demissie E, Papoutsopoulou S, Mambole A, O'Garra A, Tomczak MF, Erdman SE, Fox JG, Ley SC, Horwitz BH. (2011). NF- κ B1 inhibits TLR-induced IFN- β production in macrophages through TPL-2-dependent ERK activation *J. Immunol.* 186(4): 1989-1996, doi: 10.4049/jimmunol.1001003
- 29 *Kaiser F, Cook D, **Papoutsopoulou S.**, Rajsbaum R, Wu X, Yang HT, Grant S, Ricciardi-Castagnoli P, Tsihliis PN, Ley SC, O'Garra A. (2009) TPL2 negatively regulates interferon-beta production in macrophages and myeloid dendritic cells. *J.Exp.Med* Aug31, 206(9): 1863-1871., doi: 10.1084/jem.20091059* Kaiser F, Cook D, Papoutsopoulou S, Rajsbaum R, contributed equally
- 30 S.Srkanthajantha, M. Belich, **Papoutsopoulou S.**, J.Janzen, V. Tybulewicz, B. Seddon and Ley SC (2009) 'NF- κ B1 p105 proteolysis is essential for T cell receptor-induced proliferation'.NF-kappa B, *Nat.Immunol.* Jan 10(1): 38-49.
- 31 Rousseau S, **Papoutsopoulou M**, Symons A, Cook D, Lucocq JM, Prescott AR, O'Garra A, Ley SC, Cohen P. (2008) TPL2-mediated activation of ERK1 and ERK2 regulates the processing of pre-TNF{alpha} in LPS-stimulated macrophages. *J Cell Sci.* Jan 15; 121(Pt 2):149-54. DOI: 10.1242/jcs.018671
- 32 Spandou E, Soubasi V, **Papoutsopoulou S**, Augoustides-Savvopoulou P, Loizidis T, Pazaiti A, Karkavelas G, Guiba-Tziampiri O. (2007) Neuroprotective effect of long-term MgSO4 administration after cerebral hypoxia-ischemia in newborn rats is related to the severity of brain damage. *Reprod Sci.* Oct;14(7):667-77
- 33 **Papoutsopoulou S.**, Symons A., Tharmalingam T., Belich M.P., Kaiser F., Kioussis D, O'Garra A, Tybulewicz V, Ley SC. ABIN-2 is required for optimal activation of Erk MAP kinase in innate immune responses. (2006) *Nat Immunol.* Jun; 7(6):606-15.
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FUNDING

2024: Partner: ‘Mainstreaming water reuse into the circular economy paradigm (Water4Reuse). EU-funded COST Action CA23104.

2022: Coordinator: ‘Study of inhibitors of the transcription factor NF-κB in cell populations that are involved in inflammatory bowel disease’. DEKA Support Programme for new staff member, University of Thessaly, 8302/22/ΓΠ/19-04-2022.

2022: Management Committee Member/Greece: ‘CA21117 - The role of IMMUnity in tackling PARKinson’s disease through a Translational NETwork’ EU-funded COST Action IMMUPARKNET.

2022: Partner: ‘The European Network for Stem Cell Core Facilities’. EU-funded COST Action CA20140. CorEuStem

2021: Partner: ‘Converting molecular profiles of myeloid cells into biomarkers for inflammation and cancer’. EU-funded COST Action CA20117.

Research proposal evaluator

2024- today: Evaluator for Slovak Research and Development Agency (SRDA) (APVV)

2023- today: Evaluator for the EU-funded USAL Excellence COFUND project (Marie Skłodowska-Curie actions, MSCA)

2022- today: Certified evaluator of the Greek General Secretariat for Research and Innovation

Editorial roles

- Guest editor in International Journal of Molecular Sciences: *Special Issue- Molecular Mechanisms Regulating Central and Peripheral Immunity in Neurodegenerative Diseases*

- Guest editor in Biology: *Special Issue-Cytokines, chemokines: modulators of epithelial cell biology in health and disease*

- Guest editor in *Frontiers in Immunology*; *Special issue- Role of macrophages in intestinal inflammation*

- Topic editor in *Antioxidants*

- Review editor in *Frontiers in Immunology*, *Scientific Reports*, *Cell death and differentiation*

Meetings organiser

2024

43rd Conference of Hellenic Society of Biological Sciences, 23-25 May, Alexandroupolis, Greece.

2018

-Organiser for ‘CrispR-Cas 9 scientific course’. November 5, Institute for Translational Medicine, University of Liverpool, Liverpool, UK.

2017

-Organiser for the ‘SysMedIBD data management meeting’, September 28-29 for UK and international participants, University of Manchester, Manchester, UK.

Memberships – Committees & Societies

- 2024** University of Thessaly Research Ethics Committee
- 2023** Department of Biochemistry & Biotechnology outreach committee
- 2022** Department of Biochemistry & Biotechnology PGR committee
- 2022** Department of Biochemistry & Biotechnology *Internal Evaluation Group*
- 2023** Hellenic Society of Biological Sciences steering committee
- 2021** Panhellenic Society of Immunology
- 2019** University of Liverpool, Early Career Researcher & Returners Fund reviewers committee
- 2015** University of Manchester Research Ethics Committee
- 2014** British Society of Immunology (ID: 25903)

Public engagement

- **2023:** Open University action and laboratory work presentation to A level students, 03/03/2023, Department of Biochemistry & Biotechnology, University of Thessaly, Larisa, Greece.
- **2019:** ‘Who wants to live forever?’ Henrietta Lack inspired Art, 20/9-6/10 2019, Tate Liverpool, Liverpool, UK.
- **2016:** Blue dot Festival, 22-24 July 2016, Jodrell Park, Manchester, UK
- **2013:** National Institute for Medical Research Open day, June 2013, London, UK
- **2012-2014:** Participation in Science Week at primary schools, London, UK