

PERSONAL INFORMATION

Natasa Giallourou



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Sex Female | Date of birth 12/02/1990 | Nationality Cypriot

WORK EXPERIENCE

From 1/1/2021

**Research Fellow**

CY-Biobank, Center of Excellence in Biobanking and Biomedical Research,  
University of Cyprus, Nicosia, Cyprus

- Marie Skłodowska-Curie Fellow  
*Integrative metabolomics and genomic analysis for the development of markers of inherited kidney diseases: a personalised medicine approach - [MODIRen](#)*

Role: Project Coordinator

30/1/2017 – 30/9/2020

**Postdoctoral Research Associate**

Imperial College London, London, United Kingdom

Faculty of Medicine, Department of Metabolism, Digestion and Reproduction

***Application of Metabolomics and Bioinformatics in Epidemiology and Global Health***

- Examining the consequences of early-life malnutrition and infections on growth and metabolism of children in developing countries
- Developing mouse models of malnutrition and enteric infections for elucidating pathomechanisms and developing novel interventions

PI: Dr Jonathan R. Swann, Funding body: Bill & Melinda Gates Foundation

1/5/2012 – 14/9/2012

**Graduate Academic Placement**

Cornell University, Ithaca NY, United States

*Impact of choline supplementation during pregnancy*

PI: Prof. Marie Caudill

EDUCATION AND TRAINING

17/10/2013 – 5/7/2017

**PhD Nutritional Metabolomics**

EQF level 8

University of Reading, Reading, United Kingdom

Thesis: *'Watercress as a nutritional adjuvant treatment in breast cancer'*

Supervisors: Dr Daniel Commare, Prof. Ian Rowland

1/9/2010 – 17/9/2012

**MSc Nutrition and Health**

EQF level 7

Wageningen University, Wageningen, the Netherlands

Specialisation: Molecular Nutrition and Toxicology

Thesis: *'Dietary fibre driven alterations of the gut microbiota and effects on host responses'*

Supervisor: Prof. Hauke Smidt

17/9/2007 – 5/7/2010

**BSc Biology**

EQF level 6

University of Leeds, Leeds, United Kingdom

## NETWORKS & MEMBERSHIPS

### Service **International Metabolomics Society** <http://metabolomicssociety.org/>

October 2020 - Present: Elected member of the Board of Directors

October 2019 - September 2020: Early-career Members Network Committee Chair

October 2018 - September 2019: Early-career Members Network Committee Member

**Activities:** Annual Metabolomics conference organisation, Online Presence management, Strategic Plan for membership retention and expansion, Workshops & Training committee, Precision medicine and Pharmacometabolomics task group.

## ADDITIONAL INFORMATION

### Honours and Awards

- Marie Skłodowska-Curie Individual Fellowship €145.941 (2020)
- ERASMUS+ Staff Mobility Grant €1500 (2019)
- Metabolomics Society Early Career Research Travel Award \$500 (2018)
- Metabolomics Society Early Career Prize \$200 (2018)

### Areas of Expertise

*Metabolomics, Bioinformatics, Global Health, Nutrition Research, Infectious Diseases, Microbiome*

### Publications

Selected publications in peer-reviewed journals.

Full list: <https://scholar.google.com/citations?user=vS3FqBIAAAAJ&hl=en>

- **N. Giallourou**, F. Fardus-Reid, G. Panic, K. Vesselkov, B.J.J. McCormick, M.P. Olortegui, T.Ahmed, E. Mduma, P.P. Yori, E. Svensen, M.M.M. Ahmed, J. M. Colston, M.N. Kosek, J. R. Swann, Metabolic maturation in the first two years of life in resource constrained settings and its association with postnatal growth. *Science Advances*, 6, 15
- S.L. Burgess, J.L. Leslie, Md., J. Uddin, N. Oakland, K. Watanabe, C. Gilchrist, M. Saleh, M. Simpson, R. Haque, S.D. Turner, **N. Giallourou**, J. Swann, W.A. Petri, Jr. 'Gut microbiome communication with bone marrow regulates susceptibility to amebiasis.' *The Journal of Clinical Investigation*, 130, 8, 4019-4024
- Gough, EK, LH Moulton, K Mutasa, R Ntozini, RJ Stoltzfus, FD Majo, LE Smith, G Panic, **N Giallourou**, M Jamell, P Kosek, JR Swann, JH Humphrey, and AJ Prendergast. "Effects of Improved Water, Sanitation, and Hygiene and Improved Complementary Feeding on Environmental Enteric Dysfunction in Children in Rural Zimbabwe: A cluster-Randomized Controlled Trial." *Plos Neglected Tropical Diseases*. 14.2 (2020).
- Brierley, D., **Giallourou , N.**, Harman , J.R., Leishman, E., Roashan, A.E., Mellows, B.A.D., Bradshaw, H., Swann, J., Patel, K., Whalley, B. and Williams, C. (2019) 'Chemotherapy-induced cachexia dysregulates hypothalamic and systemic lipoamines and is attenuated by cannabigerol'. *Journal of Cachexia, Sarcopenia and Muscle* 10, 4, 844-859
- PH, Q. S. Medeiros, S. E. Ledwaba, D. T. Bolick, **N. Giallourou**, L. K. Yum, D. V. S. Costa, R. B. Oria, E. M. Barry, J. R. Swann, A. A. M. Lima, H. Agaisse, and R. L. Guerrant. 2019. 'A murine model of diarrhea, growth impairment and metabolic disturbances with Shigella flexneri infection and the role of zinc deficiency', *Gut Microbes*: 1-16.
- **Giallourou, N.**, G. L. Medlock, D. T. Bolick, P. H. Medeiros, S. E. Ledwaba, G. L. Kolling, K. Tung, P. Guerry, J. R. Swann, and R. L. Guerrant. 2018. 'A novel mouse model of Campylobacter jejuni enteropathy and diarrhea', *PLoS Pathog*, 14: e1007083.
- Medlock, G. L., M. A. Carey, D. G. McDuffie, M. B. Mundy, **N. Giallourou**, J. R. Swann, G. L. Kolling, and J. A. Papin. 2018. 'Inferring Metabolic Mechanisms of Interaction within a Defined Gut Microbiota', *Cell Systems*, 7: 245-57 e7
- Grimaldi, R., G. R. Gibson, J. Vulevic, **N. Giallourou**, J. L. Castro-Mejia, L. H. Hansen, E. Leigh Gibson, D. S. Nielsen, and A. Costabile. 2018. 'A prebiotic intervention study in children with autism spectrum disorders (ASDs)', *Microbiome*, 6: 133.