

# Imperial College London



## Section of Nutrition Research

October 2019

FENS 2019 : Aygul Dagbassi and Mathilde Gressier attended Federation of European Nutrition Society Conference.



Mathilde presented a poster and Aygul was chosen among the top four to compete at the postgraduate competition and had an oral presentation. The poster, it was entitled “The effect of single-nutrient reformulation initiatives on the nutrient profile of foods: a systematic review” and it is available online with open-access at

<https://www.morressier.com/article/p33503--effect-singlenutrient-reformulation-initiatives-nutrient-profile-foods-systematic-review/5d5e5188bedcf39b7663689b> .





Conferences: Elisabeth Vonhof, a PhD student, was awarded two travel grants from the Royal Society for Chemistry NMR discussion group and the EUROISMAR conference. At the conference in Berlin, she gave an oral presentation on her PhD studies - 'Slice-selective, high-resolution MAS NMR of intact tissue biopsies gives improved spatial resolution of metabolic distributions', which was very well received



Prize: Dr Zhigang Liu attended the 25<sup>th</sup> Annual Conference of the Chinese Life Scientists Society in the UK, which was held at University College London on the 14<sup>th</sup> Sep 2019. He gave a talk on the Gut Microbiota Affected by Antibiotics and was awarded a prize for the oral presentation from early career researchers.





## EVENTS

- **Global Food Authority:** Katerina Petropoulou was selected to participate in a 3 day Policy Lab on emerging food trends and explore their impact across the food system. The event will be held in London , 6<sup>th</sup>, 7<sup>th</sup> and 8<sup>th</sup> November. The winner will receive £5000 prize to write a policy-facing report within 6 months.  
<https://www.foodsecurity.ac.uk/activities/policy-lab-on-emerging-food-trends-and-their-impact-on-the-food-system/>
- **Metabolomics conference in Toulouse in January 2020:** Kate Gallagher is on the organising committee.



The conference is open to abstracts covering a wide range of themes including:

- Human health
- Agriculture & Food
- Environmental science
- Microbiology & biotechnologies

With metabolomics as their main or indirect thrust.

If this is of interest, please contact Kate Gallagher [k.gallagher17@imperial.ac.uk](mailto:k.gallagher17@imperial.ac.uk). There are 20 travel grants available, with most focusing on Early career individuals (PhD, post docs etc).

- **At St Mark's, RSM, 9-11 Dec 2019: Frontiers in intestinal failure, rehabilitation and home parenteral nutrition 2019**

Big educational event/course being run in intestinal failure and rehabilitation by the IF team. Now in its 21<sup>st</sup> year - 3 day course on the management of types 1, 2 and 3 intestinal failure.

<http://www.stmarksacademicinstitute.org.uk/courses/frontiers-in-intestinal-rehabilitation-and-home-parenteral-nutrition/>





## NEW JOINERS TO THE SECTION



- Welcome to PhD student Mu Wang for joining our Section

- **MRes Research Projects:** 14 students from the Human Nutrition and Diabetes and Obesity pathways of the MRes Clinical Research programme will be joining the section to undertake their MRes Research Projects this academic year. I am sure you will join me in making them feel welcome.

## SECTION REP

**Ed Chambers** is the new Section Rep for the Higher Degrees Research Committee (HDRC), which means he needs to sign off your research plan, ESA, LSR and PhD Exam Entry form etc. For booking future ESA/LSR dates, please contact Ed first and he'll provide dates. Then you can find which of these slots best suits your two assessors

**Please remember to give people at least two months' notice.**

**IMPORTANT THAT EVERY PhD student** sends him their assessment deadlines and the dates that any of the milestones below were completed:

- 1) Research Plan
- 2) Early Stage Assessment
- 3) Late Stage Review
- 4) Thesis Submission

## GRANTS AND AWARDS

**Sara Hamza** is the main point of contact for grant applications. Her contact details are [s.hamza@imperial.ac.uk](mailto:s.hamza@imperial.ac.uk)  
Telephone: +44 20 7594 8996. She is based in Common Wealth Building 6th floor. The sooner she is made aware of a grant application the better.





## PUBLICATIONS

Jamie Frampton has recently published a Journal Club Review in The Journal of Physiology about Liver sympathetic nerve activity and steatosis. Available from: <https://physoc.onlinelibrary.wiley.com/doi/10.1113/JP278895>

Weston Baxter and Suzanne Barr (with an MRes student) have recently submitted a paper on 'Enhancing Diet Compliance Through Mobile Use: A Ritual Intervention' for CHI Papers (in the field of Human Computer Interaction (HCI)).

Katerina wrote in The Physiological Society Newsletter about her experience in STEM for BRITAIN 2019 as well as her research. Please read more here:

<https://www.physoc.org/magazine-articles/stem-for-britain-2019-preventing-type-2-diabetes-using-wrinkled-peas/>

Jonathan Swann involved in the following recent publications:

- Batch effect exerts a bigger influence on the rat urinary metabolome and gut microbiota than uraemia: a cautionary tale, <https://link.springer.com/article/10.1186/s40168-019-0738-y>
- Tryptophan, glutamine, leucine, and micronutrient supplementation improves environmental enteropathy in Zambian adults: a randomized controlled trial, <https://academic.oup.com/ajcn/advance-article-abstract/doi/10.1093/ajcn/nqz189/5556068>
- The Mycotoxin Deoxynivalenol Significantly Alters the Function and Metabolism of Bovine Kidney Epithelial Cells In Vitro, <https://www.mdpi.com/2072-6651/11/10/554>
- Small talk: microbial metabolites involved in the signaling from microbiota to brain, <https://www.sciencedirect.com/science/article/pii/S1471489218301140>
- Editorial overview: CNS diseases and the microbiome <https://europepmc.org/abstract/med/31548124>
- Gut microbial metabolites in depression: understanding the biochemical mechanisms, <http://microbialcell.com/researcharticles/2019a-caspani-microbial-cell/>
- Consumer Safety Considerations of Skin and Oral Microbiome Perturbation, <https://cmr.asm.org/content/32/4/e00051-19.abstract>



## OTHER BUSINESS



The 7th floor -  
20 freezer in  
Hammersmith has been organized by Ed  
Chambers, Jamie Frampton and Aysel Dagbasi.

As a result of this we now have a lot of empty  
boxes - 3-4 orange bags full ! - please do not buy  
new boxes to store samples !

## ***FUTURE DATES FOR the DIARY***

***Christmas Party: Planning now for 12<sup>th</sup> December - Tenpin Bowling***

