Workshop

Toxic Metabolites in the Biology of Ageing and Cancer

15 – 18 November 2020
Wiston House
West Sussex
UK

Funded places for early-career researchers

In the past decade, there has been a transformation in our understanding of how toxic metabolites contribute to ageing and disease - where they come from, how organisms protect themselves against them and how their accumulation can damage certain stem cells. This Workshop will focus on the biology of toxic metabolites in the ageing process, stem cells and cancer. Specific emphasis will be placed on how metabolites that carry carbonyls damage stem and cancer cells. A particular area will focus on endogenous aldehydes, the enzymes that remove them and functionally related glutathione-based enzymes. Further, we will consider how human genetic variation can contribute to metabolite sensitivity, and how mutations in cancer genomes in toxic metabolism pathways can be exploited for therapy.

This Workshop is a first-in-kind that will focus on these reactive carbonyls and their role in ageing and disease. We bring together internationally recognised researchers working in this area with those working in metabolism, stem cell biology and organic chemical biologists.

Organisers

KJ Patel
Liz Patton

Speakers

- Michalis Agathocleous
- Christopher Chang
- James K. Chen
- John Dick
- Mayumi Fujita
- Juan Garaycoechea
- Markus Grompe
- Thomas Hurley
- Daria Mochly-Rosen
- Raymond Moellering
- Elena Piskounova
- Christopher Schofield
- Caroline Springer
- Madalena Tarsounas
- Aurelio Teleman
- Mike Tyers
- Ashok Venkitaraman

Secure your place alongside leading experts and other early-career researchers.
Applicants from diverse scientific backgrounds are encouraged.
Deadline: 5 June 2020

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