

Workshop

Inflammaging and Regeneration: Pain or Partnership?

1 – 4 August 2021
Wiston House
West Sussex, UK



Funded* places for early-career researchers

This workshop will bring together experts in two communities - immunology and regeneration - to explore the mechanisms underlying immune-mediated tissue turnover, adaptation and repair, and the complex remodeling of the immune system associated with aging.

We will focus on the paradoxical need for transient inflammation in the regenerative process and co-existence of chronic inflammation and immunodeficiency that accompanies tissue senescence; the cellular and molecular cascades that allow responding cells to proliferate and either induce healthy healing or cause scarring; the age-related changes in macrophage polarization dynamics and adaptive immune responses that drive immune and stromal cells to both initiate and terminate healing responses; and the potential to target the regenerative functions that go awry with immunomodulators and senolytics.

Designing interventions for therapeutic purposes is particularly challenging in the setting of aging, where homeostatic replacement of healthy tissue has been distorted, requiring a synergy of immunology and regenerative biology disciplines and approaches.

Organisers

Helen Blau
Nadia Rosenthal

Speakers

- Peter Adams
- Juan Carlos Belmonte
- Judith Campisi
- Stefanie Dimmeler
- Georg Duda
- Sabine Eming
- Charles ffrench-Constant
- Elaine Fuchs
- Merixtel Huch
- Paul Martin
- Andras Nagy
- Karolina Palucka
- Emmanuelle Passegué
- Maksim Pilkus
- Fabio Rossi
- Julie Serge
- Jan van Deursen

Secure your place* alongside leading experts and other early-career researchers.
Applicants from diverse scientific backgrounds are encouraged.

Deadline: 5 February 2021

To find out more or apply online visit
workshops.biologists.com