

Cologne Seminars on Ageing

Asya Rolls

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**Thursday, 6th of May 2021,
at 3.00 pm**

Zoom Webinar Meeting ID:

939 2643 8277

Host: Lena Pernas (MPI Age)

Scientific background and research interests

PhD (2007) - Weizmann Institute of Science

Postdoctoral fellow (2008-2012) - Stanford University, CA

Since Oct 2012 – PI - Technion, Israel Institute of Technology

Rappaport Medical School

Associate Professor

HHMI - Wellcome International Scholar

Main research subject: Neuronal control of peripheral immunity

The brain as a central regulator of immunity

About Dr. Rolls' talk:

Thoughts and emotions can impact physiology. This connection is evident by the emergence of disease following stress or recovery in response to placebo treatment. Nevertheless, this fundamental aspect of physiology remains largely unexplored. By combining state of the art tools in neuroscience and in immunology we aim to uncover how specific brain activity affects the immune system and the organism's response to cancer. In this talk, I will focus on the brain's involvement in regulating the peripheral immune responses and share our new findings on how the immune system is perceived and represented in the brain.