



ISTITUTO PASTEUR ITALIA SEMINAR

Lunedì 20 Maggio 2024, ore 14:30

SSAS, Building D, AULA 201 (2 Piano)

Prof. Miria Ricchetti

Molecular Mechanisms of Pathological and Physiological Ageing Unit, Head
Institut Pasteur, Paris

Ageing-related degenerative processes in models derived from patients with accelerated ageing

We study the underlying mechanisms responsible for a syndrome of accelerated ageing and neurodegeneration, based on a novel and experimentally supported hypothesis linking large-scale transcriptional changes, epigenomic regulation, and management of oxidative and nitrosative stress as triggers of ageing-related degenerative processes. In the absence of reliable animal models, we use patient derived cells and iPSC-derived neural organoids. These studies have implication for therapeutic perspectives. We investigate these pathways also in the context of physiological ageing.



ISTITUTO PASTEUR ITALIA
FONDAZIONE CENCI BOLOGNETTI

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