

## Summer School EUR LIVE / FHU SENEK

September 29th and 30th, 2022

**Muséum d'Histoire Naturelle de Paris (Auditorium de la Grande Galerie de l'Évolution)**

36 rue Geoffroy Saint-Hilaire - 75005 Paris

From 8:30 a.m. to 4:30 p.m.

**Registration is free but required (limited places available): <https://lc.cx/GI7K0u>**

**September 29<sup>th</sup>, 2022**

**Morning Session : Aging, Cellular Senescence and Vulnerability**

**Chairpersons: Oliver Bischof // Jorge Boczkowski**

**08h30 – 08h35 : Welcome: Genevieve Derumeaux, IMRB – Inserm U955**

**08h35 – 09h05 : Björn Schumacher, University of Cologne-CECAD**

Title: "Genome Stability in Aging, Inheritance and Disease: New insights from *C. elegans*"

**09h05 – 09h35 : Dimitri Bulavin, Institute for Research on Cancer and Aging, Nice (IRCAN)**

Title: "p16<sup>High</sup> senescence restricts cellular plasticity during somatic cell reprogramming"

**09h35– 10h05 : David Bernard, Cancer Research Center of Lyon – CRCL ([david.bernard@lyon.unicancer.fr](mailto:david.bernard@lyon.unicancer.fr))**

Title: "Contacts and exchanges between endoplasmic reticulum and mitochondria dictate cellular senescence entry and aging"

**Break: 10h05-10h30**

**10h30 – 11h00 : José Américo NABUCO LEVA, Sorbonne Université, CNRS, INSERM, Institut de Biologie Paris-Seine, Biological Adaptation and Ageing, B2A-IBPS, Paris, France**

Title : "Dynamic Modeling of Cellular Senescence Gene Regulatory Network"

**11h00 – 11h30 : Eric Gilson, Institute for Research on Cancer and Aging, Nice (IRCAN)**

Title: "The role of the shelterin complex in cellular aging: from dividing to post-mitotic cells".

**11h30 – 12h00 : Clemens Schmitt, Charité - Universitätsmedizin Berlin (CVK), and Max-Delbrück-Center for Molecular Medicine; Johannes Kepler University, Linz, Austria**

Title: "Senescence-associated transdifferentiation and cancer treatment outcome"

## Afternoon session: Age-Related Diseases and Vulnerability

Chairperson: Laurent Boyer

**14h30 – 15h00 : Serge Adnot : UPEC / IMRB / Henri Mondor Hospital/ Giessen**

Title: “Cell senescence in lung diseases: the pulmonary vascular niche”

**15h00 – 15h30 : Karine Clément : Sorbonne Université/ NutriOmique Research group /Pitié-Salpêtrière Hospital**

Title: “Nutrition, microbiote and cardiometabolic vulnerability”

Closing Remarks : Pierre Wolkenstein, Dean of Créteil Medical School

September 30<sup>th</sup>, 2022

## Morning session : Internal and External Stressors, and Vulnerability

Chairperson: Pierre-Louis Tharaux

**08h30 – 09h00 : Victor Appay, ImmunoConcEPT CNRS UMR 5164 – University of Bordeaux**

Title: “Cause and Effect of Reduced Primary T cell Responsiveness in Older People”

**09h00 – 09h30 : Christian Boitard, ITMO PNO – Paris University**

Title: “Immune disorders in diabetes and vulnerability”

**09h30 – 10h00: Hélène Duez, Institut Pasteur de Lille**

Title: “Chronobiology: the link between biological rhythm disturbances and accelerated aging”

**10h00 – 10h30 : Joline Beulens, Department of Epidemiology & Data Science, VUmc, Amsterdam**

Title: “Environmental risk factors of type 2 diabetes-an exposome approach”

Break: 10h30-11h00

**11h00 – 12h00: Round Table Discussion on “Vulnerability and Biomedical Research”**

Chairperson: Oliver Bischof, Carl Mann, Pierre-Louis Tharaux

## Afternoon session : eHealth and Vulnerability

Chairperson : Geneviève Derumeaux

**14h00 – 14h30 : Marion LELOUVIER, Présidente du directoire de la Fondation de l’Avenir**

Title: “A non-profit organisation inputs to both Digital and Sustainable One Health”.

**14h30– 15h00 : Justine FRIJA, Université Paris Cité, Inserm Neurodiderot, Digital Medical Hub, APHP**

Title: “Remote monitoring and vulnerability”

**15h00 – 15h30 : Sarah ZOHAR, Inserm, Inria, Université Paris Cité, HeKA research team**

Title: “Clinical evaluation of Digital Medical Devices”

**15h30 – 16h00 : Camille Landais : STICERD - Department of Economics, London School of Economics and Political Science The London School of Economics and Political Science**

Title: “Recent Developments In Health Economics Using « Big Data »”

**16h00 – 16h30 : Simon RENNER, Haute Autorité de Santé**

Title: “Digital Medical Devices intended for healthcare worker use: current key issues”

**Closing Remarks : Geneviève Derumeaux**