

# **INTERACTIONS CERVEAU - CORPS DANS LE MAINTIEN DE L'HOMÉOSTASIE : LA PHYSIOLOGIE DES HÉRITIERS DE CLAUDE BERNARD**

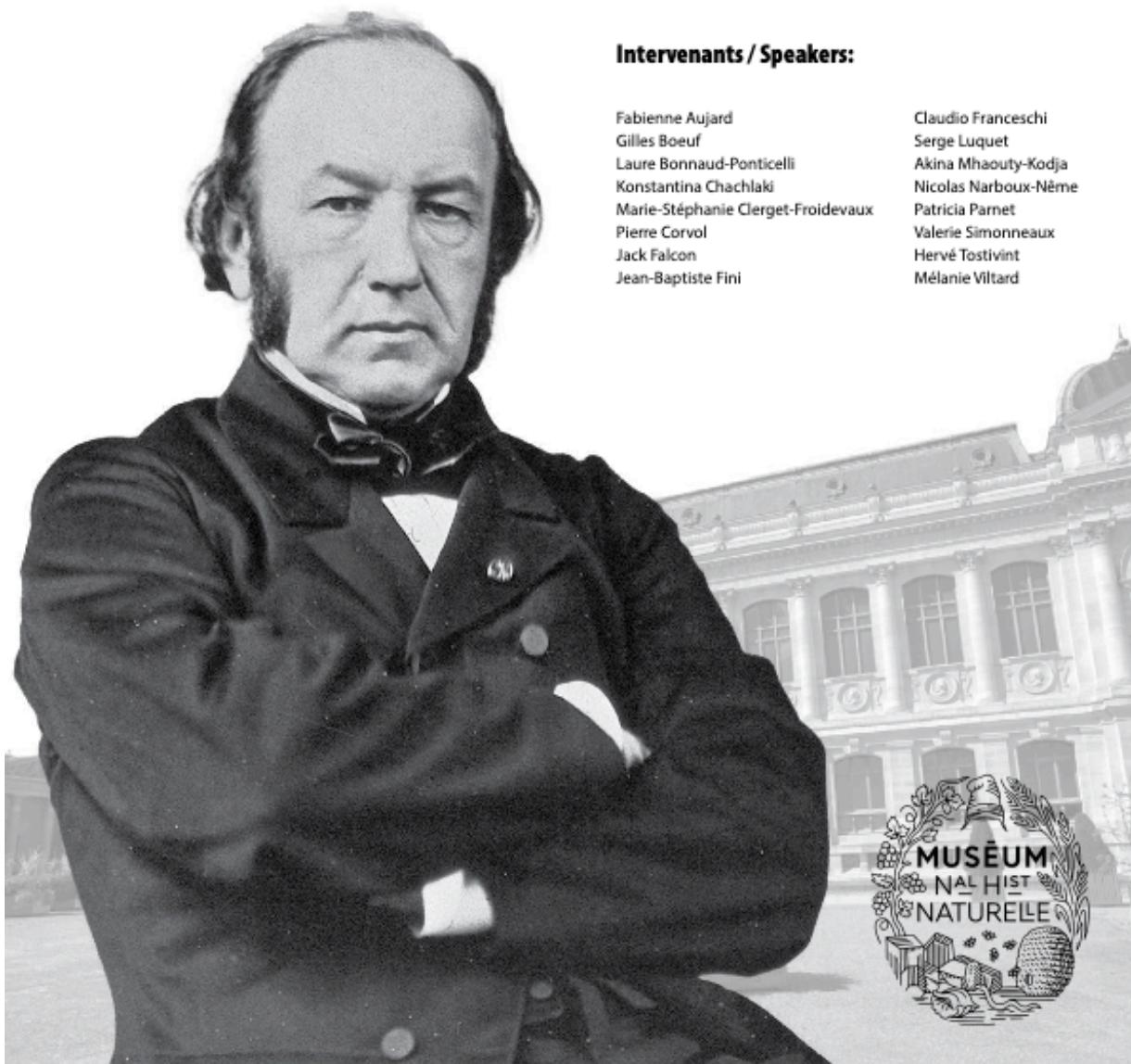
**BRAIN - BODY INTERACTION IN THE MAINTENANCE OF HOMEOSTASIS : THE PHYSIOLOGY OF CLAUDE BERNARD'S HEIR**

Paris - Amphithéâtre de la Grande Galerie de l'Évolution

**Mercredi 19 Octobre 2022**

## **Intervenants / Speakers:**

Fabienne Aujard	Claudio Franceschi
Gilles Boeuf	Serge Luquet
Laure Bonnaud-Ponticelli	Akina Mhaouty-Kodja
Konstantina Chachlaki	Nicolas Narboux-Nême
Marie-Stéphanie Clerget-Froidevaux	Patricia Parnet
Pierre Corvol	Valerie Simonneaux
Jack Falcon	Hervé Tostivint
Jean-Baptiste Fini	Mélanie Viltard



## **Inscription gratuite obligatoire:**

<https://evento.renater.fr/survey/inscription-colloque...-dcsq8dcv>

# Scientific Program

09h00: Welcome

09h15 - 9h45: Introduction

- **Laurent SACHS** - 15 min

Past/Present/Future of physiology - From the legacy of Claude Bernard to XXI<sup>st</sup> century technologies

- **Pierre CORVOL** - 15 min

Claude Bernard, founder of modern medicine

9h45 - 10h45: **Session 1 - Body-Brain Interactions and neurosecretory systems**

Moderator: **Marie-Stéphanie CLERGET-FROIDEVAUX**

- **Konstantina CHACHLAKI** - 20 min

Role of infantile nNOS activity in the establishment of minipuberty in female and male mice

- **Hervé TOSTIVINT** - 10 min

Neurosecretory systems and ionic metabolism

- **Valérie SIMONNEAUX** - 10 min

Melatonin regulates hypothalamic thyroid hormone to synchronize seasonal breeding

- **Discussion** - 20 min

10h45 - 11h15: Coffee break

11h15 - 12h30: **Session 2 - Body-Brain interactions and metabolism**

Moderator: **Nicolas NARBOUX-NEME**

- **Serge LUQUET** - 20 min

Brain control of metabolism and behavior.

- **Patricia PARNET** - 10 min

Long term effect of fetal and neonatal nutrition on offspring energy homeostasis

- **Nicolas NARBOUX-NEME** - 10 min

Dlx5/6 neuronal expression controls behavior, metabolism, healthy aging and lifespan

- **Marie-Stéphanie CLERGET-FROIDEVAUX** - 10 min

Thyroid hormones and metabolism: impact on metabolic flexibility

- **Discussion** - 25 min

12h30 - 14h30: Lunch

14h30 - 15h30: **Session 3 Body-Brain interactions and ageing**

Moderator: **Giovanni LEVI**

- **Claudio FRANCESCHI** - 20 min

THE NEW PHYSIOLOGY OF HUMAN LONGEVITY. Why do we grow old? Is ageing the result of a genetic program? What determines the life spans of humans and other species? Is there a limit to human longevity? How can we improve our personal health span?

- **Fabienne AUJARD** - 10 min

Hallmarks of aging in a non-human primate and efficiency of anti-aging interventions

- **Mélanie VILTARD** - 10 min

Deciphering the secrets of the non-aging naked mole-rat: Metabolic signature of extreme longevity

- **Discussion** - 20 min

15h30 - 16h00: Coffee break

16h00 - 17h00: **Session 4 Body-brain interaction and environment**

Moderator: **Laurent SACHS**

- **Sakina MHAOUTY-KODJA** - 10 min

Exposure to environmental doses of plasticizers: Behavioral and neuroendocrine effects

- **Laure BONNAUD-PONTICELLI** - 10 min

What does the cephalopod brain tell us about brain evolution and function?

- **Jack FALCON** - 10 min

Light, clocks and rhythms: artificial-light-at-night disrupts neuroendocrine regulations

- **Jean-Baptiste FINI** - 10 min

Thyroid hormone disruptors: What threats to environmental and health?

- **Discussion** - 20 min

17h00 - 17h30: **Round table: Physiology to understand Nature and its relation to environment**

Moderator: **Gilles BOEUF**

**Plan d'accès Auditorium de la Grande Galerie de l'Evolution**  
**Muséum National d'Histoire Naturel**  
**36 rue Geoffroy St Hilaire**  
**75005 Paris**

