

Bruno Lemaitre

Current work address:

Ecole Polytechnique Fédérale de Lausanne (EPFL) - Global Health Institute
SV 3838 - Station 19 - CH-1015 Lausanne

E-mail: bruno.lemaitre@epfl.ch - Phone +41 21 693 18 31 - Fax +41 21 693 17 90

Website: Lab: <http://lemaitrelab.epfl.ch/> - Personal: <http://brunolemaitre.ch/>

EDUCATION

- 1997:** « Habilitation à diriger des recherches »
Université Louis Pasteur, Strasbourg, France
- 1992:** Ph.D (in Genetics).
Title: Regulation of P element transposition in *Drosophila*.
Université Pierre et Marie Curie, Paris, France
- 1985-1988:** Student at Ecole Normale Supérieure, Paris, France

RESEARCH AND DIRECTION EXPERIENCES

Avril 2022-present: President of the European *Drosophila* Society

January 2019- June 2022: Director of the Global Health Institute, EPFL.

January 2012- 2016: Director of the EPFL doctoral program EDMS ‘Molecular life science’

July 2007- present:

Global Health Institute, EPFL, Lausanne, Switzerland

Full Professor: Study of host/pathogen interactions and innate immunity in *Drosophila*

May 1998 - June 2007:

Centre de Génétique Moléculaire, CNRS, Gif-sur Yvette, France.

Group leader: Host-pathogen interactions and innate immunity in *Drosophila*

Chairman of the Department “Development” (January 2003-January 2007)

November 1999 – January 2000:

Celera genomics, Rockville, Washington DC, USA

Annotation of the *Drosophila* genome (immunity genes)

December 1992-April 1998:

UPR9022, IBMC, Strasbourg, France.

Research associate (chargé de recherche, CNRS) with Dr. Jules Hoffmann: Genetic dissection of the immune response in *Drosophila*.

October 1989-October 1992:

Department of molecular evolution, Institut Jacques Monod, Paris

Graduate student with Dr. Dario Coen: Regulation of P element transposition in *Drosophila*.

AWARDS

- 2000 :** Young Investigator Program (EMBO)
- 2001 :** Price Noury, Thorlet, Lazare from the french Academy of Sciences
- 2002 :** First Price of the Schlumberger Foundation
- 2003:** William B. Coley Award for distinguished research in basic and tumor immunology (shared with J.A. Hoffmann, R. Medzhitov et C. Janeway)
- 2006 :** Price Lucien Tartois from the Fondation pour la Recherche Médicale
- 2007:** Nominated EMBO member
- 2008:** Obtention of an ERC advanced Grant (Drosophila gut immunity)
- 2010:** Price “Liliane Bettencourt” for life science
- 2014:** Obtention of an ERC advanced Grant (Drosophila-Spiroplasma interaction)

Of note, one of my first-author papers revealing a role of the Toll pathway in the Drosophila antifungal defense (Lemaitre et al Cell 1996) has been considered as a landmark paper in the discovery of TLR receptors (ex. Nobel prize 2011 to my former supervisor Jules Hoffmann).

COMMITTEE MEMBERSHIPS

- Member of the European Molecular Biology Organization (2007)
- Member of the European Academy of Microbiology (2017)
- President of the European Drosophila Society (2021)

TEACHING (EPFL)

- Biologie II (French, year 1, =>2019): Animal systematic & introduction to immunology
- Psychologie évolutionniste (French, Year 2) course given the option of ‘Sciences humaines et Sociales
- Immunologie (French, year 3)
- Master courses on innate immunity & symbiosis (English, Year 4)

In the framework of my teaching, I have produced:

- two MOOCs in French entitled : [Introduction à l’immunologie : aspect fondamentaux et Introduction à l’immunologie : méthodes et applications médicales.](#) They are available on Edx (see link) but also on [Switch.ch](#).
- a book entitled ‘[Exercices en immunologie](#)’ par EPFL press (for Bachelor or Master students).

BOOKS (Personality/science)

- An Essay on Science and Narcissism, How do high-ego personalities drive research in life science. Lausanne, 2016. Autoedition (print version sold-out, [pdf available](#)).
- Les dimensions de l’ego. Edition Quanto (Lausanne) 2019
- Mickael Polanyi : le scientifique qui voulait réenchanter le monde, Edition Quanto (2022)