



Célia Seillier

PhD student – Life and health sciences
Neuroimmunology

INSERM U1237 PhIND/Serine Proteases,
Inflammation and Glial cells team

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14 000 Caen - FRANCE 🏠

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Education and experience

2018-2021

PhD student – Life and health sciences

T cell response against N-methyl-D-aspartate receptor (NMDAR) and its implication for the development of immunomodulatory immunotherapeutics targeting neurological and psychiatric disorders

Laboratory: INSERM U1237. PhIND/Serine Proteases, Inflammation and Glial cells team. Normandy University.

Supervisors: Dr Toutirais & Pr Le Mauff.

Funding: Norman interest networks & French establishment of blood.

Plus: Supervision of a student in 2nd year of master degree. Janvier 2019 – Juin 2019

2017-2018

Master degree - Biology-Health – Research in oncology, differentiation, genetics and biotherapies

Detection of anti-N-Methyl-D-Aspartate (NMDA) autoantibodies in neurological diseases.

Laboratory: INSERM U1237. PhIND/Serine Proteases, Inflammation and Glial cells team. Normandy University.

Supervisors: Dr Docagne & Dr Macrez.

2016-2017

1st year of masters degree - Biology-Health Research in oncology and immunology

Study of the anti-infectious specificity of monoclonal immunoglobulins from patients with monoclonal gammopathy of undetermined significance (MGUS) or of multiple myeloma (MM).

Laboratory: INSERM U1232. Molecular mechanisms of chronic inflammation in blood diseases. Nantes faculty of sciences and techniques.

Supervisor: Dr Bosseboeuf.

2015-2016

Bachelor in biology

Laboratory: Voluntary internship – EA 2608 oestrogens, reproduction and oncology (OeReCa)

Supervisor: Dr Delalande.

2013-2015

Two-year technical degree - Biological engineering, biological and biochemical analyzes

Method verification and validation of microalbuminuria assay for COFRAC

Laboratory: Groupement biologique des Carmes

Supervisor: Dr Asselin.

Informations

15.05.1996 🎂

Driving license
Personal vehicle 🚗

Travels : ✈️
Reunion Island,
Spain, Netherlands,
Greece, Sweden, Portugal

Strengths

Organized

Meticulous

Curious

Hard working

Dynamic

Ambitious

Easy going

Languages

French 🇫🇷

English 🇬🇧

References

Dr Olivier Toutirais

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Pr Brigitte Le Mauff

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Dr Fabian Docagne

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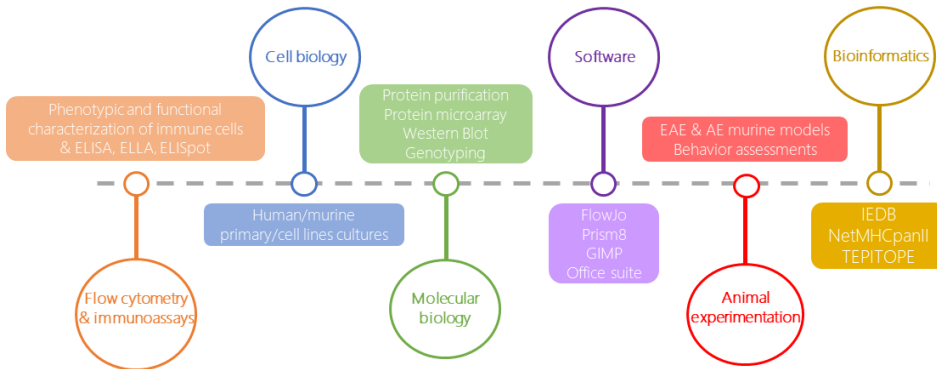
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Lab skills



Publications

- 2020 "Role of tPA in immune response". Toutirais, [Seillier](#) et al., 2020. *Review in preparation.*
- 2020 "Differential mechanisms of action of tPA on lymphoid and myeloid cell responses in experimental autoimmune encephalomyelitis". Hélie, Camacho-Toledano, Miralles, Ortega, Leseq, [Seillier](#) et al., 2020. *Article under review.*
- 2020 "Viral Targets of Monoclonal IgA from MGUS and Myeloma Patients". Bosseboeuf, [Seillier](#) et al., 2020. *Front Immunol*, doi: 10.3389/fimmu.2020.00854.

Scientific communication

Oral

- 2019 1st Jury's prize – "How to identify T cell epitope involved in autoimmune diseases?" – Doctoral School Days (regional congress) – Caen, France
March 21st-22nd, 2019

Poster

- 2020 "Analysis of T cell response against NMDAR in human and mice" – Encephalitis Conference (international congress) – London, United Kingdom
December 8th 2020
- 2019 "Analysis of T cell response against NMDAR and its implication for immunotherapy development targeting neurological and psychiatric disorders" – Normandy research day in biology (regional congress) – Caen, France
November 19th 2019

Science popularization

- "Ma thèse en 180s" – Norman final
Purpose: popularization of science toward the public & synthesis it in 3 minutes.
Organization: Normandy University, CPU & CNRS.
Location: Le Dôme, Caen, France
Edition: 2020
- Science awareness
Purpose: promoting science toward the public & stimulating curiosity.
Organization: Ministry of National Education, Research and Technology
Location: Science campus, Caen, France
Editions: 2018 - 2019
- Meeting MS patients-researchers
Purpose: Open house day to show off research laboratory to MS patients and to encourage the dialogue between researchers and MS patients.
Organization: ARSEP foundation.
Location: CYCERON center, Caen, France
Editions: 2018 - 2019
- Norman festival of Excellence
Purpose: To highlight Norman talents and achievements in all sectors
Organization: CYCERON Center.
Location: Exhibition center, Caen, France
Edition: 2019
- President of OPTIC
(Association of PhD students and young researchers in Caen)
Dates: 2018 - 2020
- Member of the organizing committee of the Doctoral School Days (2019)
Dates: 2018 - 2019