OLIVIER ELÉA

Ph.D. Student in pharmacoepidemiology

@ elea35.olivier@gmail.com @ Elea.OLIVIER@gustaveroussy.fr ☎ +33 7 82 22 16 58 ● Paris, France
in eléa-olivier-411973203

STRENGTHS

Curious   Motivated   Determined

SKILLS

Programmation:
Python   R   SAS   C   C++

MatLab   Excel   PowerPoint

LaTeX

Mathematics/Statistics :
Generalized linear models

Longitudinal and survival data

Inferential statistics

Risk and scoring

G-methods

LANGUAGES

French: Native

English: TOEIC : 940 (C1/B2)

PASSIONS

Travel   Languages

Sports

Creation

SUMMARY

As a PhD student in pharmacoepidemiology, the main aim of my research is to study the carcinogenic and/or anti-carcinogenic effects of drugs widely used in the population. My academic background includes a double degree: a diploma in applied mathematics and a master's degree in public health with a specialisation in pharmacoepidemiology. My aim is to make an active contribution to research and understanding the impact of drugs on public health. In the long term, I would like to apply causal inference approaches to improve our understanding in this area.

EXPERIENCES

Ph.D. Student in Pharmacoepidemiology | CESP Exposome and Heredity Team/Paris Saclay University

📅 Sept, 2022 - Sept 2023   ● Villejuif, France

- **Thesis title:** Glucocorticoid use and risk cancers in large real-word databases.

Research internship in pharmacoepidemiology | CESP, Exposome and Heredity Team

📅 March 2023 - Sept. 2023   ● Villejuif, France

- Olivier E, (...), Hicks B, Cairat M. Use of systemic and topical glucocorticoids and risk of skin cancers in a prospective cohort of women. Article in preparation.
  Tasks: writing the protocol, statistical analyses (SAS software) and writing the manuscript.
- Cairat M, Olivier E, (...), Hicks B. Quality evaluation of previous studies on glucocorticoid use and risk of site-specific cancers: a systematic review. Article in preparation.
  Tasks: extraction of data and assessment of quality / risk of bias of included studies.

Research internship in statistics applied to the social sciences of health | CERMES3

📅 June 2022 - August 2022   ● Villejuif, France

- McKinley C, Olivier E, Ward J. The Influence of Social Media and Institutional Trust on Vaccine Hesitancy in France: Examining Direct and Mediating Processes. Accepted in the Vaccines journal. https://doi.org/10.3390/vaccines11081319.
  Tasks: protocol writing, statistical analyses (R and Python software).

Company internship in biostatistics | EXYSTAT

📅 Jul. 2021 - Aug. 2021   ● Malakoff, France

- **Tasks:** Data anonymisation, clinical trial phase studies, statistical study on the France Assos Santé VIVRE-COVID study, work on logistic regression and mixed models.

EDUCATION

Ph.D. Student in Pharmacoepidemiology | CESP Exposome and Heredity Team/Paris Saclay University

📅 Sept, 2022 - Sept 2023   ● Villejuif, France

- **Thesis title:** Glucocorticoid use and risk cancers in large real-word databases.

Master's degree in Clinical Pharmacology and Epidemiology option pharmaco-epidemiology | University of Rennes

📅 Sept, 2022 - Sept 2023   ● Rennes, France

- With highest honour (Rank 1/16)
- Generalized linear models, longitudinal and survival data, advanced statistical methods in epidemiology, estimation principles in biostatistics.

University Exchange Budapest | University of Technology and Economics

📅 Feb. 2022 - June 2022   📍 Budapest, Hungary

Applied Mathematics Engineer | INSA Rennes

📅 2021 - 2023   📍 Rennes, France

- Probability, stochastic models of dynamic systems, inferential statistics, risk and scoring, time series.

L1-L2 MIASHS (Mathematics and computer science applied to the humanities and social sciences) | University of Rennes

📅 2018 - 2020   📍 Rennes, France

- With highest honour

Lycée | Assomption

📅 2015 - 2018   📍 Rennes, France

- Baccalaureate, scientific. With highest honour

CAUSAL-RELATED ACTIVITIES

CAUSALab Courses

📅 2023-2024   📍 Online & in person

- Target Trial Emulation (Boston, USA), Causalab scholarships for students awarded (June 2024).
- CAUSALab Course: Causal Diagrams: Draw Your Assumptions Before Your Conclusions (Online)

Introduction to Causal Inference Course for Health and Social Scientists | University of Leeds (UK)

📅 Jan 2024   📍 Leeds, UK

- Causal framework, DAGs, causal mediation analysis, G-methods,...
- Dispensed by Peter Tennent

Active membre of the causal inference working group | Centre for Epidemiology and Population Health (CESP)

📅 Jan 2024   📍 Villejuif, France

- I made a presentation on key concepts of causal inference
- Co-chair a subgroup on g-methods for time-dependent analysis.

Reading in progress

📅 Ongoing

- The Book of Why (Judea Pearl)
- Causal inference: What If (Miguel A. Hernan and James M. Robins)

OTHER ACTIVITIES

Communication

- Poster presentation: "Use of Systemic and Topical Glucocorticoids and Risk of Skin Cancers in a Prospective Cohort of French Women", ISPE 2024 Conference (Aug. 2024, Berlin, Germany)
- Co-direction of the Early Career Research Lunch (ECRL) group: Organization of monthly meetings, discussion facilitation, and event planning to support young researchers.

Mobility

- One-month research mobility at Queen's University Belfast, contributing to a systematic review on glucocorticoid use and cancer risk.

Interests and Extra Activities

- Competitive athletics: Middle-distance running and marathon preparation, fostering discipline and perseverance.
- Painting and creative arts: Personal project combining art and self-expression.
- Science mediation: Interested in popularising science for the general public using visual tools such as digital drawings, comic strips, infographics and presentations.
- Adventure sports: kitesurfing, windsurfing, skiing, dance.