



François Grolleau

Postdoctoral Scholar, Biomedical Informatics

Bio

BIO

François Grolleau MD, MPH, PhD is a Postdoctoral Scholar at the Stanford Center for Biomedical Informatics Research. His research work centers on developing and evaluating computational systems that use retrieval-augmented language models and other advanced methods from statistics and machine learning to assist medical decision-making.

François is a certified Anesthesiologist and Critical Care Medicine specialist from France. He holds an MPH degree and a PhD in Biostatistics from Paris Cité University. In 2016/2017, he worked as a research fellow in the Department of Health Research Methods, Evidence, and Impact at McMaster University, Canada (Profs Yannick Le Manach and Gordon Guyatt). During his doctorate with Prof. Raphaël Porcher, he utilized causal inference, personalized medicine methods, and statistical reinforcement learning for medical applications in the ICU.

PROFESSIONAL EDUCATION

- Fellowship, Centre for Research in Epidemiology and Statistics (2023)
- PhD, Paris Cité University (2023)
- Board Certification, French Board of Anesthesiology and Critical Care Medicine (2019)
- Residency, University of Caen Normandy , Critical Care Medicine, Anesthesiology, and Nephrology (2019)
- MPH, Paris Descartes University (2017)
- MD, Toulouse III - Paul Sabatier University (2013)

STANFORD ADVISORS

- Jonathan Chen, Postdoctoral Faculty Sponsor

LINKS

- Personal website: <https://fcgrolleau.github.io/>

Publications

PUBLICATIONS

- **Personalizing renal replacement therapy initiation in the intensive care unit: a reinforcement learning-based strategy with external validation on the AKIKI randomized controlled trials** *JOURNAL OF THE AMERICAN MEDICAL INFORMATICS ASSOCIATION*
Grolleau, F., Petit, F., Gaudry, S., Diard, E., Quenot, J., Dreyfuss, D., Tran, V., Porcher, R.
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