

Speaker Biography



Pierre Bauvin

Data Scientist

Lille Hospital

Pierre Bauvin is an engineer in applied mathematics, and holds a PhD in biostatistics. He is currently working within the IMI-SOPHIA consortium from the Lille Hospital, in France, to tackle the issues of obesity and type 2 diabetes. He is working in the bariatric surgery field, to design personalized, data-driven follow-up programs for patients with obesity and/or diabetes.

Previously, he worked as a consultant for the industry on health-related projects, before starting his PhD on the area of liver disease and epidemiology. Therefore he is comfortable working within public-private partnerships, alongside academia and industry. As an early-career researcher, he helps answer public health questions.

His preferred areas are machine learning, statistics and expert inputs. He is particularly interested in prediction models to forecast patients' outcomes from large datasets, causal inference to estimate the impact of features for decision-making from observational data, and expert systems to model complex processes.

Coding and calculus are a small part of his work; most of his energy goes to understanding industry & clinicians needs, as well as communicate to experts about his methods and results.