Jonas Béal

PhD-MBA looking for RWE opportunities

🖰 *https://jonasbeal.github.io*
in *jonas-beal*
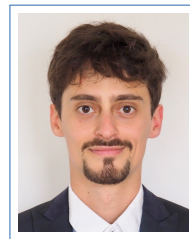
Current situation

10/2020–05/2021	**Consultant**, *Sanofi*, Paris. As part of the MBA training, external consultant position in the Regulatory Affairs department of Sanofi CHC (internal client Mathieu Buonafine). Project management in digital transformation initiatives. Project design/implementation to leverage internal data or real-word data.

Education

2018–2021	**MBA Fellow**, *Collège des Ingénieurs*, Paris. Dual PhD/MBA programme focused on management, finance, entrepreneurship and leadership.
2017–2020	**PhD**, *Institut Curie - PSL - INSERM U900*, Paris. Mathematical models of cancer and quantification of their clinical impact in the prediction of survival and response to treatment. Supervised by Dr. Barillot and Prof. Latouche ○ *Scientific content*: Dynamical modelling of cancer mechanisms based on data analysis and literature curation. Transformation of mathematical models into precision medicine tools using biomedical data. Biostatistical impact analysis by simulating clinical trials (causal inference methods). ○ *Skills*: Scientific and technology watch. Data analysis, statistical modelling, machine learning and programming. Scientific communication and popularization.
2015–2017	**Master of Science**, *EPFL*, Lausanne. Master 'Life Science and Technology', option 'Molecular Medicine and Systems Biology' in École Polytechnique Fédérale de Lausanne. Courses of *Cancer Biology*, *Systems Biology*, *Genomics*. $5.77/6$ and $2^{nd}/33$
2012–2016	**Engineer degree**, *École Polytechnique (X)*, Palaiseau. Wide-ranging scientific education, humanities and major in Biology. GPA $3.88/4$.

Previous experience

02/2017–08/2017	**Master thesis**, *Institut Curie - PSL - INSERM U900*, Paris. Personalization of cancer models with integration of patient data. Supervised by Dr. Calzone. 'Fondation Marguerite's Prix Annaheim-Matille', for project of 'high quality in life sciences and information technology'
09/2016–01/2017	**Laboratory internship**, *EPFL - Computational Systems Biotechnology Lab.*, Lausanne. Study of kinetic parameters that determine the impact of rate-limiting enzymes in the kinetic models of genome-scale metabolic networks. Supervised by Prof. Hatzimanikatis and Dr. Miskovic
09/2016–12/2016	**Laboratory internship**, *EPFL - Genomics of Infectious Diseases Lab.*, Lausanne. Genome-Wide Association Study (GWAS) on antibody response to several bacterial pathogens and influence of HLA genomic region. Supervised by Prof. Fellay and Dr. Hammer
07/2106–09/2016	**Start-up internship**, *NovaDiscovery*, Lyon. Project within bio-modelling team: design of tools to model biochemical reactions. Supervised by Mr. Cogny
10/2012–04/2013	**Teacher for special needs**, *EPIDE*, Belfort. Professional immersion in a centre for social integration, which takes care of underprivileged young people

Languages

French	Native speaker	English	Fluent; daily professional use
Italian	Intermediate		

Computer skills

R, Python	Frequent use	*Haskell, Matlab*	Basic knowledge

Interests

Reading	Avid reader with wide-ranging interests: French literature, graphic novels
Sports	Regular badminton player