RENAUD DESSALLES

GENERAL

Birth	■ ■ ■ ■ ■ ■ ■ 1989
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PRESENTATION

My education background brought me a broad knowledge of many scientific and cultural areas, I'm in mathematics with computer simulations applied in several areas of Biology such as Ecology, Evolution and Microbiology and I which to continue in this domain in future works. My other skills include a strong taste for teaching and popularising different areas of science through courses, presentations or online articles.

EDUCATION & WORK EXPERIENCES

2017-current – Visiting Assistant Project Scientist at UCLA Biomathematics.

2013-2016 - PhD in Applied Mathematics, *Stochastic models for protein production in bacteria* (INRA and INRIA – Paris)

2015-2016 - Teaching Mathematics and Computer Science (IUT Sceaux)

2012-2013 – Master degree, *Mathematics for Biology* (Université ParisSud)

April-July 2013 - Internship in LCQB lab (UPMC -Paris) in theoretical microbiology

2011-2012 – Engineering degree, with specialty *Systems Modeling* (ENSTA ParisTech)

2009-2012 – Master degree in parallel of the third year of ENSTA ParisTech, *Numerical Analysis and Partial Differential Equations* (UPMC – Paris)

April-July 2012 - Internship in SMILE lab (Collège de France - Paris) in ecology and evolution

May-August 2011 - Internship in INSERM lab U1001 on systemic biology

2007-2009 – Classes Préparatoires: intensive studies in Mathematics, Physics, Chemistry and Humanities to prepare for selective exams.

2007 - Baccalauréat of science (with highest honors).

GRANTS AND AWARDS

September 2017: Best poster award at UCLA QcBio Annual Retreat

January 2017: Fellowship from the Institute for Quantitative and Computational Biosciences at UCLA

December 2013: Highly selective grant *Contrat Jeune Scientifique* (INRA) for five years

July 2013: Selective PhD grant of Labex Calsimlab (UPMC), (declined)

SCIENTIFIC PAPERS AND CONFERENCES

2018 - Dessalles, R., Fromion, V., & Robert, P.. Models of protein production with cell cycle. arXiv preprint arXiv:1711.06378.

2017 - Dessalles, R. Stochastic Models for Protein Production: the Impact of Autoregulation, Cell Cycle and Protein Production Interactions on Gene Expression. Doctoral dissertation.

2017 - Cloez, B., Dessalles, R., Genadot, A., Malrieu, F., Marguet, A., & Yvinec, R. Probabilistic and Piecewise Deterministic models in Biology. ESAIM: Proceedings and Surveys, 60, 225-245.

2017 - Dessalles, R., Fromion, V., & Robert, P. A stochastic analysis of autoregulation of gene expression. Journal of mathematical biology, 75(5), 1253-1283.

2016 - Journées Modélisation Aléatoire et Statistique

2015 - INFORMS Applied Probability Conference

For current work and future conferences, see my webpage (https://dessalles.github.io/)

FOREIGN LANGUAGES

French	Native language
English	Fluent

German	Working knowledge
Spanish	Beginner

COMPUTER SKILLS

UNIX – Python – C – C++ – LaTeX	Competent
XHTML – Julia – Matlab	Working knowledge

ASSOCIATIVE EXPERIENCES

Current - Author, Editor and Translator on the web magazine *Kinea* (https://kinea.media)
Tutoring students from disadvantaged backgrounds for 3 years
Vice-president of artistic festival of ParisTech: *Les Arts en Scène*

INTERESTS & TRIPS

SPORT	LEISURE	TRAVELS
Swimming	Astronomy - Photography	United-States
Running	Writing	Japan
Climbing	World History	Great-Britain

REFERENCES – Available on request.