Renaud Dessalles

General

Birth	November 15th. 1989
Phone	■ ■ ■ ■ ■ ■ ■ ■
E-mail	■ ■ ■ ■ ■ ■ ■ ■
Webpage	https://dessalles.github.io/

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.