

Ronan Duchesne

Education

- sept. 2015-now **Master Program in Complex Systems Modeling**, *Complex Systems Institute, École Normale Supérieure de Lyon* (university-level institution training teachers and researchers, entrance to which is based on a competitive exam, and students of which are civil servants), Lyon, France.
- 2013-2015 **M.S. in BioSciences**, *École Normale Supérieure de Lyon*, Lyon, France.
- 2012-2013 **B.S. in BioSciences**, *École Normale Supérieure de Lyon*, Lyon, France.
- 2009-2012 **Classes préparatoires** (Post-secondary preparatory classes in science for competitive entrance exam to the leading institutions of higher education), *Lycée Chateaubriand*, Rennes, France.
Majors : Physics, Chemistry, Biology, Mathematics, Geology
- 2006-2009 **Baccalauréat Scientifique mention Bien** (equivalent to a High School Degree *cum laude*), *Lycée Auguste et Jean Renoir*, Angers, France.
Majors : Physics, Chemistry, Biology, Mathematics, Geology

Research

- february-june 2016 **20-week internship: A Mixed-Effect Model of the Erythroid Differentiation Process**, realized under the supervision of Dr. Olivier Gandrillon (LBMC, ENS Lyon) & Dr. Fabien Crauste (Dracula research group, INRIA), Lyon, France.
- february-may 2015 **16-week internship: Are model selection criteria reliable when making predictions with imperfect models? A foodweb example**, realized under the supervision of Dr. Franck Jabot (Laboratory of Engineering for Complex Systems, IRSTEA), Clermont-Ferrand, France.
- september-december 2014 **15-week internship: Modeling the genetics of the *Drosophila* dorsal closure**, realized under the supervision of Stéphane Vincent (LBMC, ENS Lyon) & Vincent Calvez (UMPA, ENS Lyon), Lyon, France.
- february-may 2014 **14-week internship: On the integration of several modules of the plants Shoot Apical Meristem**, realized under the supervision of Jérémy Gruel & Henrik Jönsson at the Sainsbury Laboratory, Cambridge, U. K.
- june-july 2013 **7-week internship: Gene duplication and divergence within the BCL-2 family: the case of Bid and BCL-Rambo/BCL-2L13**, realized under the supervision of Abdel Aouacheria & Vincent Navratil at the Pôle Rhône-Alpes de Bioinformatique (PRABI), Villeurbanne, France.

Skills

Programming languages	Python, sh	Operating systems	Linux (advanced use), Windows, MacOS
Computation languages	Matlab/Scilab, R	Word processing	LaTeX, Libreoffice, ...
Database management	SQL	Image processing	Inkscape, Gimp, Rawtherapee

Languages

French	Native
English	Fluent

Extracurricular activities

- sept 2013-now Member of the managing team of the ENS student lounge, which is a self-managed, 24/7, student bar that keeps working miraculously, given the irresponsibility of its customers (responsibilities included: contact with the suppliers, reserve management, customer advising, and a massive amount of cleaning up).
- sept 2014- Secretary of the ENS student organization ConférENS, whose role is to help students organizing conferences, seminars, roundtables, etc inside the ENS (responsibilities included: an outrageously ridiculous amount of paperwork). Website: <http://www.ens-lyon.eu/campus/confer-ens-132393.kjsp?RH=ASSOCIATIONETUDIANT>.
- sept 2014- Secretary of the ENS student organization ConférENS, whose role is to help students organizing conferences, seminars, roundtables, etc inside the ENS (responsibilities included: an outrageously ridiculous amount of paperwork). Website: <http://www.ens-lyon.eu/campus/confer-ens-132393.kjsp?RH=ASSOCIATIONETUDIANT>.
- nov 2013 & mars 2013 Co-organizer of *Et Pourquoi Pas?*, a project of events aiming at improving the horizontality of exchanges between students and researchers. It took the shape of short conference talks given by students of the ENS (videos -in french- available at <http://www.dailymotion.com/etppas> and <https://vimeo.com/etppas>).
- 2013 Member of the organizing committee of the European jamboree of the *iGEM* competition (yearly competition of students projects in synthetic biology) : <http://2013.igem.org/Europe>
- 2012-2013 Attended the *igam4er* competition, which is a yearly, scientific research-related, video games design contest: <http://igam4er.org/>

Interests

Digital cultures
Free software, hacker movement
Pop cultures
Beer & wine tasting