

## Elena RONDEAU

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14 rue Clément  
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Born on 6<sup>th</sup> Nov. 1991 in  
Grenoble (France)  
25 years old  
French and Canadian  
nationalities

### Spoken languages

- **French : fluent, oral and written**
- **English : fluent, oral and written**
  - Cambridge Proficiency (C2 European level)
  - TOEIC (930/990)
- **Spanish : oral and written skills**
  - DELE Intermedio (B2 European level)

### Diplomas

- Master's degree in Philosophy of Science 2017
- Master's degree in Immunology 2016
- Agrégation Biochimie Génie Biologique 2015
- Bachelor's degree in Biology 2013
- Scientific Baccalauréat with English OIB 2009

### Regular hobbies

- Swimming & Cycling
- Music (harp courses for 12 years)
- Traveling (Europe and North America)

PhD student at Université de Bordeaux starting in September 2017  
(T. Pradeu's group, 'ImmunoConcEpT' laboratory, CNRS UMR 5164)

### ACADEMICS

- **September 2016 to June 2017: student at Université Lyon III (Jean Moulin) for a Master's degree in History and Philosophy of Science (M2 LHPST "Logique, Histoire et Philosophie des Sciences et des Techniques")**
  - Study units validated with honours (16.3/20, mention très bien)
  - Master dissertation entitled "Classifying and naming T helper lymphocytes: How relevant is the growing number of subpopulations?" (supervised by Prof. O. Perru from Université Lyon I, "Sciences, Société, Historicité, Education, Pratiques" laboratory)
- **September 2015 to June 2016: student at Université Paris Diderot for a Master's degree in Immunology, with courses and practicals at Institut Pasteur (Paris)**
  - Study units validated in January 2016 (14.4/20, mention bien)
  - Research project (laboratory internship) validated in June 2016 (14.5/20, mention bien)
- **September 2014 to July 2015: biology student at École Normale Supérieure de Cachan (ENSC, France) for a Master's teaching degree in biochemistry and biological engineering**
  - "M2 Enseignement du Supérieur" validated in May 2015 (14.3/20, mention bien)
  - "Agrégation Biochimie Génie Biologique" passed in July 2015 (rank 9<sup>th</sup>/16)
- **September 2013 to July 2014: first year Master's degree in cancer biology at ENSC and Université Paris-Sud (U-PSud, France)**
  - "M1 biologie santé - cancérologie" validated in June 2014 (12.3/20, mention assez bien)
- **September 2012 to July 2013: Bachelor's degree in biology at ENSC and U-PSud; start of a 4-year state-funded study program in September 2012 ("élève normalien fonctionnaire stagiaire")**
  - "L3 biologie santé" validated in June 2013 (13.6/20, mention assez bien)
- **July 2012: entrance exams into Agronomy and Veterinary Schools (France) and the "Écoles Normales Supérieures" of Cachan and Lyon (France)**
- **September 2009 to July 2012: "Classe préparatoire BCPST Biologie, Chimie, Physique, Sciences de la Terre" (3-year scientific preparatory program in biology, chemistry, physics and geology) at Lycée Champollion (Grenoble, France)**
  - Study units validated with honours (120 ECTS)
- **July 2009: French Scientific Baccalauréat with International Option (English) validated with honours (17.8/20, mention très bien), at Cité Scolaire Internationale (Grenoble, France)**

### PREVIOUS COURSES IN HISTORY AND PHILOSOPHY OF SCIENCE:

- **2013/2014: regular courses in history, philosophy and sociology of science (40h, 6 ECTS) at ENSC, managed by Dr V. Fages from the "Sciences, Techniques, Education, Formation" laboratory (department of human and social sciences)**
  - Conferences and bibliographical work on the definition and dynamics of experimental sciences (study units entitled "histoire, sciences et société" and "introduction à la philosophie et à la sociologie des sciences")
- **2012/2013: Bioethics course at ENS Ulm (Paris)**
  - Conferences and discussions on a range of social issues triggered by the study of biodiversity in agriculture, environmental risks, mental diseases and stem cell biology

## EXPERIENCES

### **LABORATORY EXPERIENCES :**

- **6-month research internship (01-07/2016) for the Master's degree in Immunology, at Imperial College (London, UK) in Dr N. Guerra's laboratory (Department of Life Sciences, South Kensington campus):**
  - Role of NK cells and their activating receptors (NKG2D) in pathologies associated with chronic inflammation in a gene-targeted mouse model of gut cancer  
**Skills:** Animal dissection and clinical analysis, histology, flow cytometry, molecular biology.
- **8-week research internship (06-07/2014) at Institut Cochin (Paris), Unit led by P-O.Couraud (INSERM U1016), team led by B. Lucas and A. Prevost-Blondel (Regulation of T lymphocyte effector functions: from fundamental research to cancer), project led by L.Bod:**
  - Impact of IL4I1 enzyme on murine ganglionic microenvironment in a physiological and tumoral context  
**Skills:** Animal dissection, histology, immunofluorescence, flow cytometry, cell culture.
- **8-week research internship (06-07/2013) at Institut Curie (Paris), Cellular Compartmentalisation and Dynamics Unit led by B. Goud (CNRS UMR 144), team led by L. Johannes (Intracellular traffic and signalling), project led by D. Garcia-Castillo:**
  - Characterization of small molecule inhibitors of STxB-mediated endosomal protein dislocation  
**Skills:** Cell culture, immunofluorescence, confocal microscopy, *in vitro* sulfation assays
- **2-week research internship (11/2012) at Institut Curie (Paris), Developmental Biology and Genetics Unit led by E. Heard (CNRS UMR 3215), team led by A. Bardin (Stem cells and tissue homeostasis), project led by J. Salle:**
  - Drosophila intestinal cellular destinies and stem cells  
**Skills:** dissection, histology, immunofluorescence, microscopy, cell culture

### **TEACHING EXPERIENCES :**

- Regular preparation and supervision of oral exams in biology ("colles") for 1<sup>st</sup> and 2<sup>nd</sup> year students in "classes préparatoires BCPST" at Lycée Champollion (Grenoble): year 2016/2017, for 3 weekly hours
- Participation in a course creation project at ENSC during my Master's degree in Immunology (2015/2016): elaboration of a detailed outline for an immunology course addressed to M1 level biology students
- Pedagogical internship at the Lycée Maximilien Sorre in Cachan (1<sup>st</sup> semester 2014/2015), in a class of 1<sup>st</sup> year BTS-ABM students (Brevet de Technicien Supérieur spécialité Analyses BioMédicales): observation, preparation and supervision of haematology practicals
- Student tutoring in Science, French and English (High-school and Secondary school levels)

### **REFERENCES**

- **Academic References :**
  - Mr U. Hazan ([uriel.hazan@ens-cachan.fr](mailto:uriel.hazan@ens-cachan.fr)) and Mrs P. Rialland-Le Fèvre ([pascale.rialland-lefevre@ens-cachan.fr](mailto:pascale.rialland-lefevre@ens-cachan.fr)) from the ENSC biology department
  - Mr. J-B. Joinet ([jean-baptiste.joinet@univ-lyon3.fr](mailto:jean-baptiste.joinet@univ-lyon3.fr)), director of studies for the M2 LHPST at Université Lyon III
  - Mr. O. Perru ([olivier.perru@univ-lyon1.fr](mailto:olivier.perru@univ-lyon1.fr)), researcher and professor at Université Lyon I
- **Scientific References :**
  - Mrs N. Guerra at Imperial College ([n.guerra@imperial.ac.uk](mailto:n.guerra@imperial.ac.uk))
  - Mrs A. Blondel at Institut Cochin ([armelle.blondel@inserm.fr](mailto:armelle.blondel@inserm.fr))
  - Mr L. Johannes at Institut Curie ([ludger.johannes@curie.fr](mailto:ludger.johannes@curie.fr))
  - Mrs A. Bardin at Institut Curie ([allison.bardin@curie.fr](mailto:allison.bardin@curie.fr))

### **EXTRA INFORMATION**

- Member of the Student Council in ENSC (2013-2014)
- Youth leader: "BAFA" (Brevet d'Aptitude aux Fonctions d'Animateur) since 2008