

- EDUCATION**
- 2011 : **PhD in Physics**, Membranes in cells : transport and identity, *ESPCI (Paris) - Université Paris VI*.
- 2007 **Master of Science**, Modeling, Statistics and Algorithms in out-of-equilibrium systems, *summa cum laude*. *Université Paris XI & École Normale Supérieure*.
- 2005 **Bachelor of Science**, Physics, *École Normale Supérieure*.
- 2004 Admitted in the *École Normale Supérieure*, Major : Biology, Chemistry.
- 2002 **Baccalauréat scientifique**, Distinctions : A (*très bien*), European.
- SCIENCE SKILLS**
- Physics*: Biophysics, statistical physics, thermodynamics, dynamical systems.
- Biology*: Cell biology, image analysis, data analysis.
- Computer science*: Algorithms, C/C++, Python, Matlab programming.
- Teaching*: Physics and Matlab for biologists, mathematical modeling, simulations.
- EXPERIENCE**
- Since Oct. 2019 : **Chargé de Recherche CNRS**
- Feb. 2018-Sept. 2019 : **Researcher, CNRS Momentum**
- Self-organisation in cell mechanics
- Sept. 2017-Jan. 2018 : **Postdoctoral fellow**
- Modeling of cellular spatial organization.
Supervisor: Nicolas Minc, *Institut Jacques Monod*.
- Feb. 2012-June 2017 : **Postdoctoral fellow** (BIOMS fellowship)
- Cytoskeletal architecture in cell plasticity.
Supervisor: François Nédélec, *EMBL Heidelberg*.
 - Co-organized "Modeling Cellular Processes in Space and Time"
Serge Dmitrieff, Hervé Turlier, François Nédélec, october 2014
- Oct. 2011-Jan. 2012 : **Bridging postdoctoral fellow**
- Models of transport and compartment generation in Eucaryotic cells.
Supervisor: Pierre Sens, *ESPCI, Paris*.
- Sept. 2008-Sept. 2011 : **PhD Student**
- Models of transport and compartment generation in Eucaryotic cells.
Advisor: Pierre Sens. *Laboratory of Theoretical Physical Chemistry, ESPCI*.
 - Teacher assistant in Physics for freshmen biologists, *Université Paris VI, Paris*.
- Sept. 2007- Feb. 2008 **Scientific Deputy, French Consulate in Shanghai**
- Creation of a database of Physics laboratories in the Shanghai area, in order to promote scientific cooperation.
- Sept. 2005 - July 2007 **Master of Science**
- Modeling of a protein detector as a 2D-random walk process.
Advisor: Michel Moreau, *Laboratory of Condensed Matter, Université Paris VI*.
 - Characterization of viral capsids sizes by AFM.
Advisor: Bill Gelbart, *Department of Physical Chemistry, UCLA, Los Angeles*.
- 2005 **Bachelor of Science**
- Computer simulation of a restriction enzyme as a random walker.
Advisor: Pierre Desbiolles, *Laboratoire Kastler Brossel, ENS, Paris*.

- Funding and fellowships**
- 2017 : CNRS Momentum fellowship
 - 2015 : BIOMS fellowship extension
 - 2012 : Awarded BIOMS post-doctoral fellowship
 - 2012 : Awarded EIPOD post-doctoral fellowship (declined)
- Presentations in internationally established conferences**
- *Amplification of actin polymerization forces during yeast endocytosis* (flash talk) Actin in Action, from molecules to functions, Heidelberg (Germany), September 7-10, 2016.
 - *Forces and shapes in yeast endocytosis* Physics of the living matter symposium, Cambridge (UK), September 24-25, 2015.
 - *Forces in yeast endocytosis* Seminar on the Theory of complex systems, Heidelberg, January 15 2015.
 - *Role of turgor pressure, actin organization and membrane curvature effectors in Yeast endocytosis* Current advances in membrane trafficking: Implications for polarity and diseases, Puerto Natales (Chile) 9-14 September 2014.
 - *Transient domain formation in membrane-bound organelles undergoing maturation* SoftComp annual meeting, Heraklion, Greece, May 15-18, 2011
 - *Kinetic limitation of transport in the Golgi apparatus* Cell shape changes 2009 October 19-23 Paris, France,
 - Over 25 posters presentations in national and international conferences.
- Workshop organization**
- Modeling Cellular Processes in Space and Time Porquerolles, France, October 5-11 2014. <http://www.embl.de/external/events/2014/MOD14>
- Teaching activity**
- Intracellular mechanics (seminar) EMBL predoc course, Heidelberg, October 2014
 - Implementing Stochastic Simulation of Chemical Kinetics in Matlab (practical) EMBL predoc course, Heidelberg, October 2014
 - Stochastic Simulation in Matlab (practical) EMBL bioIT training week, March 2014
 - Modeling Cellular Processes in Space and Time (cytoskeleton modeling) Porquerolles, France, October 5-11 2014.
 - Modeling in Biology (seminar) EMBL predoc course, Heidelberg, October 2013
 - Microscopy, modeling and physical methods (cytoskeleton modeling practical) EMBO course, EMBL Heidelberg, October 2012
 - Physics for biologists LP104 (teaching assistant for freshmen biologists). Université Pierre et Marie Curie, Paris. 2009-2011
- Schools and workshops**
- Modeling Cellular Processes in Space and Time (cytoskeleton modeling) Porquerolles, France, October 5-11 2014.
 - New Trends in the Physics and Mechanics of Biological Systems Les Houches, France, July 6-31 2009.
 - Cell shape changes October 19-23 Paris 2009, France.
- Supervising and mentoring activities**
- 2014-2017 : Mentoring of Aastha Mathur (PhD Student).
 - 2015 : Supervision of Adolfo Alsina (Master student).
 - 2016 : Supervision of Isma Bennati (visiting PhD student).
 - 2018 : Supervision of Milan Lacassin and Katia Barrett (Master students).