

# Romain TETLEY

*PhD student in Computer Sciences*

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27 years old

Fluent english



## Objectives

Develop skills in Fundamental Informatics in order to apply them to different fields.

## Formations

- Since 2014 **PhD student**, *Inria Sophia-Antipolis*, A.B.S team.  
Structural alignments : Beyond the rigid case.
- Nov. 2014 **ENS Lyon Diploma**, *Ecole Normale Supérieure de Lyon*.
- 2013-2014 **Master 2 Research in Fundamental Informatics**, *University of Nice Sophia-Antipolis*.  
With distinction.
- 2012 - 2013 **Master 1 Research in Fundamental Informatics**, *University of Nice Sophia-Antipolis*.  
As part of the requirements for my scholarship, I carried out my Master's degree at the University of Nice Sophia-Antipolis  
**Studies Abroad**, *Indian Institute of Science*, Bangalore, India.  
Six month student exchange program in a partner Institute of the ENS de Lyon
- 2011 - 2012 **Licence in Fundamental Informatics**, *Ecole Normale Supérieure de Lyon*.  
With distinction.
- 2008 - 2011 **Licence Informatics Biology Mathematics**, *University of Nice Sophia-Antipolis*, Distinctions.  
Admitted at the Ecole Polytechnique, I decided to terminate my contract after being awarded a scholarship from the ENS de Lyon.
- 2007 - 2008 **Preparatory class Maths Sup**, *Lycée Dumont d'Urville*, Toulon, France.  
A two year examination preparation for colleges in Mathematics and Physics. Admitted in second year, my aspirations for research pushed me to switch for University.

## Professional experiences

- 2014 **Research internship in Structural Biology**, *Inria Sophia-Antipolis*, A.B.S team.  
Structural homology, C++ coding, Algorithmics, Proteins and interfaces, Virology
- 2013 **Research internship in Bioinformatics**, *Wits University*, Johannesburg, South Africa.  
Independent work, ancient DNA, Big Data, C++ coding, statistics, population genetics
- 2012 **Research internship in Scientific Visualization**, *Inria Sophia-Antipolis*, A.B.S team.  
Algorithmics and Data structures, intensive C++ coding, Homology, Morse-Smale complex, Cryo-electron microscopy
- Since 2009 **Free worker**, *Paleo Festival*, Nyon, Switzerland.  
As part of the organization of this festival (50 to 80 000 entries a day), I work each year as part of the security or the cleaning team.

## Skills

- Languages Fluent in French and in English
- Modelling Conception and validation of discrete and continuous models of various biological phenomena
- Mathematics Statistics and probabilities (classical discrete and continuous laws, statistical tests, Markov chains, etc...), calculus, ODE
- Computer Sciences Algorithmics and complexity, graph theory, data mining, visualization, game theory
- Programming languages C++, C, Java, Python, HTML
- Mathematical languages Scilab, Matlab, Mathematica

## Personal interests

- Jazz guitar **Second cycle, second year** student at the Conservatory of Music in Toulon
- Drums Amateur drummer. Old member of the Nice University Big Band.
- Sports Ski touring, Judo
- Culture Assiduous reader in English and in French. Cinema enthusiast.