

Julien MAUPETIT

PHD IN STRUCTURAL BIOINFORMATICS - DEVELOPER - ENTREPRENEUR

PERSONAL DATA

PLACE AND DATE OF BIRTH: Saint Denis (93), France | 14 October 1980
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EDUCATION

NOV 2007 PhD's Degree in BIOINFORMATICS, **Paris Diderot University**, Paris, France
Supervisor: Dr P. TUFFÉRY

JULY 2004 Master's Degree in BIOINFORMATICS, **Paris Diderot University**, Paris, France
Grade: *magna cum laude*

JULY 2002 Bachelor's Degree in BIOCHEMISTRY, **Paris Diderot University**, Paris, France
Grade: *magna cum laude*

PRINCIPAL POSITIONS HELD

Current FEB 2014	Co-Founder & CEO at TAILORDEV <i>Connected to sciences</i> The mission of TailorDev is to develop modern tools to ease scientific collaboration and promote Open Science Data in research entities.
Dec 2015 DEC 2011	Co-Founder & CTO at COMSOURCE <i>Front & Back End Web development</i> Entrepreneurship has always been in my mind. My passion for the web and its design decided me to join the ComSource web agency to develop tailored solutions for the web.
NOV 2011 SEP 2008	Frozen Position Research Engineer at PARIS DIDEROT UNIVERSITY (RPBS & INSERM UMR-S973), Paris, France <i>Structural bioinformatics - Web development - System administration</i> Supervisors: DR P. TUFFÉRY and DR B. VILLOUTREIX Since I obtained my position, my principal activities have been: (i) structural bioinformatics and chemoinformatics web servers / programs development, (ii) structural bioinformatics assistance with biological wet laboratories, and (iii) platform / laboratory hosting / computing / storage resources administration.
AUG 2008 OCT 2007	Assistant Professor at IBPC (CNRS UPR9080), Paris, France <i>Bioinformatics teaching - Peptide structure prediction</i> Supervisor: PR P. DERREUMAUX The technics developped during my PhD applied to peptide structures appears strongly relevant. Hence, we designed PEP-FOLD, a fast method for large scale <i>de novo</i> peptide and miniprotein structure prediction.

SEP 2007 OCT 2004	PhD at PARIS DIDEROT UNIVERSITY (INSERM U726), Paris, France <i>Protein structure prediction</i> Supervisor: DR P. TUFFÉRY In a post-genomic context, plenty of proteins, identified by their sequence, have no experimentally resolved structure, and fall out the range of application of comparative modelling methods. The goal of my PhD was to explore a new <i>de novo</i> protein structure prediction approach.
SUMMER 2003	Summer Intern at PARIS DIDEROT UNIVERSITY (INSERM U726) and PASTEUR INSTITUTE, Paris, France <i>Molecular visualization</i> Supervisor: DR P. TUFFÉRY Development and integration of a PDB files parser in a molecular visualization widget.
MAY 2003 JAN 2003	Intern at PARIS DIDEROT UNIVERSITY (EA3508), Paris, France <i>Molecular biology</i> Supervisor: PR J. LONDON Transgenic mice genotyping.
SUMMER 2002	Summer Intern at HOSPITAL BICHAT (INSERM U409), Paris, France <i>Molecular biology</i> Supervisor: DR M.E. MARTIN Hepcidin involvement in particular hemochromatosis – IRE/IRP system in transgenic mice over-expressing the superoxyde dismutase.

TEACHING EXPERIENCE

2005-2011, PARIS DIDEROT UNIVERSITY (300h)

MASTER	Introduction to XHTML/CSS Introduction to \LaTeX Introduction to BioPython Python programing C programing Interfacing C and Python with Swig	Protein structure prediction Microarray data analysis Molecular phylogeny Bioinformatics tools
BACHELOR	Bioinformatics tools	

2006, 1st MEDILS SUMMER SCHOOL, SPLIT, CROATIA (4h)

PHD	Comparative protein modelling	Normal modes analysis
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PUBLICATIONS

INTERN SUPERVISION

2011 3 MONTHS	SBMAP3, STRUCTURAL BIOINFORMATICS SEMANTIC MAP REDESIGN <i>B. Delepine, Bachelor in Bioinformatics</i> Redesign SBMap interface with modern javascript tools instead of a Java Applet.
2010 5 MONTHS	SBMAP2, STRUCTURAL BIOINFORMATICS SEMANTIC MAP <i>E. Strauser, Master of Bioinformatics</i> SBMAP Java applet user interface and graphical navigation improvements. PYPDB, A TOOLBOX TO WORK WITH PDB FILES <i>F. Briand, Master of Bioinformatics</i> Design of a command line tool to manipulate PDB files, its packaging and integration in the RPBS MOBYLE portal.
2009 3 MONTHS	PYPDB, A PYTHON CLASS TO WORK WITH PDB FILES <i>C. Habib, Bachelor in Bioinformatics</i> PYTHON code cleanup and documentation, integration of PDB-XML files support.
2008 5 MONTHS	SBMAP, STRUCTURAL BIOINFORMATICS SEMANTIC MAP <i>M. Naveau, Master of Bioinformatics</i> Structural bioinformatics concepts ontology automatic update integration in an web administration interface.

COMPUTER SKILLS

Operating systems:	GNU/LINUX (expert), MACOS X, WINDOWS
Programming languages:	PYTHON, JAVASCRIPT, BASH, C, R
Web integration:	HTML5, CSS3, SASS (COMPASS), JAVASCRIPT
Databases:	SQL (PostgreSQL, MySQL, SQLite)
Graphic Art:	ADOBE PHOTOSHOP & ILLUSTRATOR

INTERESTS AND ACTIVITIES

Web technologies, Python, Open-Source, Programming

Guitar playing, Actor in a theater company

Co-Founder & President of [Clermont'ech](#) – a developers association made in Auvergne – from february 2012 to may 2016.