

LEFEBVRE Guillaume

Appt 14 - 21, Rue Peybouquey
33 400 TALENCE – FRANCE

(+033) 06 36 34 01 26

lefebvreguillaume@yahoo.fr

<http://www.math.u-bordeaux.fr/~lefeb013/home.php>

PhD in Applied Mathematics

MY PROFESSIONAL EXPERIENCE

2015-2016	Temporary Lecturer and Research Assistant – University of Bordeaux – France 33 – 6 months – Lessons of basic mathematics for biologists – Essentials for the mathematics and computer science students
2012-2015	PhD in Applied Mathematics – University of Bordeaux – France 33 – 3 years <i>Tumor growth modelling</i> from medical images (Supervisor: Thierry Colin) – Creation and study of PDEs model / Numerical resolutions of these – Analysis of tumor heterogeneity on clinical images (DICOM) – Collaboration with University Hospital of Bordeaux (CHU Pellegrin) – Presentation of the results in publications and in conference <i>Teaching.</i> Lessons of: – Basic mathematics for physicians – Preparation to the Computer and Internet Certificate (C2I, national certificate)
2012	Internship at the CEA (Center of study of Atomic Energy and Alternative Energy) of Aquitaine – France 33 – 6 months <i>Model of two phases flows</i>
2011	Internship at the IMB (Mathematics Institute of Bordeaux) – France 33 – 7 weeks <i>Model of tumor growth and effectiveness of some treatments</i>

MY SKILLS

- Modelling: – Building and analysis of PDEs models
– Numerical analysis / Finite Volume method
– Optimization method
- Programming: C++, Fortran, MPI, Python, ITK, Bash
- Other language: LaTeX, HTML, PhP
- Software: Scilab, Gnuplot, OsiriX (DICOM viewer), LibreOffice
- Languages: French (native) – English

EDUCATION

2012-2015	PhD in Applied Mathematics – University of Bordeaux – France 33
2010-2012	Master Engineering Mathematics with honors – University of Bordeaux 1 – France 33
2007-2010	Bachelor's degree of Mathematics with honors – University of Rennes 1 – France 35