

# Giovanni Smania

[Via Don Fausto Callegari 7/4, Galliera Veneta, Padova, Italy]

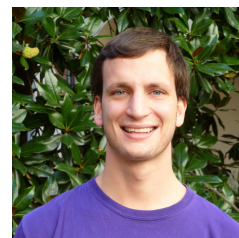
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[Date of Birth: 12/10/1987]

[Gender: Male]

[Nationality: Italian]



## Education

- **Università degli Studi di Padova** Padova, Italy  
*Master's degree in Bioengineering, Final Grade: 109/110* *Oct. 2010 – Jul. 2013*
  - Key Courses: Real and Complex Analysis, Systems Biology, Biological Data Analysis, Neuroengineering, Bioengineering for the Genomics, Bioinformatics, Biomedical Signal Processing, Bioimaging.
- **Università degli Studi di Padova** Padova, Italy  
*Bachelor's degree in Biomedical Engineering, Final Grade: 101/110* *Oct. 2006 – Jul. 2010*
  - Key Courses: Math, Computer Science, Electronics, Biology and Physiology, Signals and Systems, Biomedical Image Processing, Biomedical Instrumentation.
- **Liceo Scientifico Tecnologico A. Meucci** Cittadella, Padova, Italy  
*Final Grade: 80/100* *Sep. 2001 – Jul. 2006*

## Experience

- **Consortium for Biological and Pharmacological Evaluations (CVBF)** Pavia, Italy  
*Project Contract* *Apr. 2013 – Present*

My work at CVBF is oriented towards data analysis. So far, every project in which I have been involved dealt with the analysis, the collection, the processing and the interpretation of biomedical data. In particular, I have been participating to the following tasks:

  - **Orphan Designation Application (ODA)** (terminated): I wrote the section on the prevalence of the condition of an ODA.
  - **Global Research in Paediatrics (GRiP, [www.grip-network.org](http://www.grip-network.org))** (ongoing): CVBF, as a partner of GRiP network, is taking care of a Work Package named: “New methods for clinical studies in paediatrics”. My contribution consists in the use of Modeling & Simulation as a tool to investigate innovative study designs in paediatrics.
  - **Deferiprone Evaluation in Paediatrics (DEEP, [www.deep.cvbf.net](http://www.deep.cvbf.net))** (ongoing): CVBF is the sponsor of DEEP project. The Work Package I am working on is named: “Performing an efficacy/safety trial to compare DFP versus DFX”, and I am focusing on the draft of the statistical analysis plan of such trial.
- **GlaxoSmithKline, CPMS Group** London, UK  
*MSc Internship/Master's Thesis* *Sep. 2012 – Mar. 2013*
  - I have been an intern at the “Clinical Pharmacology Modelling & Simulation” (CPMS) group at GlaxoSmithKline, where I had worked on a project named *Translational Pharmacology of QTc Interval*. Starting with part of such project, I wrote my master's thesis, focusing on the pharmacokinetic and pharmacokinetic-pharmacodynamic models implemented in the entire work.
- **Bias Field Estimation and Segmentation of MRI Volumes** Padova, Italy  
*Bachelor's Thesis* *Mar. 2010 – Jul. 2010*
  - I developed an automatic algorithm for bias field estimation and segmentation of brain MRI data using Matlab.
- **Protec SNC, Surface Care** Galliera Veneta, Padova, Italy  
*Work Experience* *Summer 2004/2005/2006*
  - During summer school holidays I worked as a worker for Protec SNC.

## Courses and Workshops Attended

- **Extrapolation and Evidence Synthesis in the Development and Therapeutic Use of Medicines in Children** Glasgow, UK  
11 June 2013
  - Workshop sponsored by the GRiP network. The primary objective of this workshop was to review the current methodologies for evidence generation and evidence synthesis in paediatric research, including opportunities for extrapolation and optimisation of experimental protocols.
- **Introduction to R** London, UK
  - *Training course* 20-21 November 2012
    - The course was given by MANGO SOLUTIONS ([www.mango-solutions.com](http://www.mango-solutions.com)).
- **Course on Bayesian Analysis of Small Area Health Data using WinBUGS/GeoBUGS** London, UK  
7-9 November 2012
  - The course was organised by professor Nicky Best and held at Imperial College London, Faculty of Medicine, Department of Epidemiology and Biostatistics.

## Conferences Attended

- **Twenty-second PAGE Meeting** Glasgow, UK
  - *Poster presentation* 11-14 June 2013
    - G. Smania, R. Graf, M. Cella, V. Dubois and O. Della Pasqua. *Identifying the translational gap in the evaluation of drug-induced QTc interval prolongation.*

## Language Skills

**Italian:** Mothertongue.

**English:** IELTS certificate, score: 6.5. Obtained on February 2, 2013.

## Computer Skills

**Operating Systems:** Windows; basic knowledge of Linux.

**Language and Software:** Basic knowledge of Java, C++ and SQL; intermediate knowledge of  $\text{\LaTeX}$ , NONMEM, Word and Excel; advanced knowledge of Power Point, Matlab, R and WinBUGS.

## Interests and Activities

- Clinical Pharmacology
- Modelling & Simulation applied in Biological Systems
- Bioimaging
- Healthcare Innovations
- Supporting high school students in scientific subjects (math, physics, biology, computer science)
- Swimming
- Traveling
- Music

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