

Maxime Folschette

2nd Year PhD Student in Bioinformatics

Current position: IRCCyN (Nantes, France)

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EDUCATION

Since Oct. **PhD student in bioinformatics**, MENRT (ministry grant)

2011 • **Team: MeForBio** (Formal Methods for Bioinformatics)

• **Subject: Algebraic modeling of multi-scale evolution and dynamics of biological regulatory networks**

• **Keywords:** Formal Methods, Biological Regulatory Networks, Parameters Inference

École Centrale de Nantes (Nantes, France) — Laboratory: IRCCyN — Team: MeForBio

2011 Double diploma at the **École Centrale de Nantes** engineering school:

2008–2011 • **Engineering diploma**

Options: Computer Science and Research & Development

2010–2011 • **Master thesis** in Automatics, Production Systems and Real Time

Subject: Applying the Hoare logic to gene regulatory networks

École Centrale de Nantes (Nantes, France)

2006–2008 **Classes Préparatoires aux Grandes Écoles** (MPSI/MP), intensive courses in maths and sciences

June 2006 **Baccalauréat S**, equiv. A levels

Lycée Jacques Amyot (Melun, France)

PUBLICATIONS

• **M. Folschette**, L. Paulevé, K. Inoue, M. Magnin and O. Roux:

Concretizing the process hitting into biological regulatory networks,

in: *Computational Methods in Systems Biology*, editors: D. Gilbert and M. Heiner,

166–186, Springer Berlin Heidelberg, October 2012, DOI 10.1007/978-3-642-33636-2_11.

• A. Murari, D. Mazon, M. Gelfusa, **M. Folschette**, T. Quilichini and EFDA-JET contributors:

Residual analysis of the equilibrium reconstruction quality on JET, *Nuclear Fusion*,

Vol. 51, No. 5, April 2011, DOI 10.1088/0029-5515/51/5/053012.

WORK & RESEARCH EXPERIENCE

March–May **PhD internship** at the **National Institute of Informatics** of Tokyo, in the **Inoue Laboratory**

2012 *Subject: Inferring a biological regulatory network from a process hitting model using ASP*

National Institute of Informatics (Tokyo, Japan) — Team: Inoue Laboratory

April–Sept. **Master internship** in the **MeForBio** team at the **IRCCyN**

2011 Application of the Master subject in Coq, OCaml and Prolog

IRCCyN (Nantes, France)

May–August **Mid-term studies internship** in the **Diagnostics** team at **EFDA-JET** (nuclear fusion research)

2010 *Subject: Statistical processing on magnetic coils measurements to bring out modeling flaws*

EFDA-JET: Joint European Torus (Culham Science Centre, UK)

PERSONAL SKILLS

Computing **Languages:** OCaml, ASP, Coq, C, C++, Java, Maple, Matlab, SQL, Python, Qbasic

Other skills: Latex, Linux command line

Languages **French:** Native speaker

English: Fairly fluent, TOEIC with 870 points in 2009

German: Basic level