

Maxime Ulysse Garcia

PhD in Bioinformatics

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Date of birth: 05/14/1982

Nationality: French

Specialized in large scale data integration and visualization

Experiences

- 2016–present **Bioinformatician**, BarnTumörBanken - Sitting at both Karolinska Institutet / Institutionen För Onkologi-Patologi and at Science for Life Laboratory / NGI Stockholm (Genomics Applications), Stockholm.
- 2013–2014 **Research Associate in Bioinformatics**, National University of Singapore - Cancer Science Institute of Singapore, Singapore.
- experiences Intern management; Collaboration with PhDs, Engineers; Presentations in international conferences (posters and talks)
- 2009–2013 **PhD in Bioinformatics and Genomics**, Integrative Bioinformatics Platform - Centre de Recherche en Cancérologie de Marseille, Aix-Marseille Université UM105, Intitut Paoli-Calmettes, Inserm U1028, CNRS UMR7258, Marseille.
- Biomarkers discovery in cancer by Interactome-Transcriptome Integration
- experiences Intern management; Collaboration with MDs, PhDs, Research Engineers and socio-economic partner (IPSOGEN); Presentations in international conferences (posters and talks)
- skills Parallel scripting; Project management; Oral and visual communication

Education & Qualifications

- 2007–2009 **Master's Degree in Bioinformatics and Genomics**, Faculté des Sciences de Luminy, Marseille.
- keywords Object-oriented programming, Dynamic modelization of biological networks, Mathematics applied to Biology
- 2007 **Erasmus Semester in School of Biological Sciences**, University of East Anglia, Norwich.
- keywords Research project in Bioinformatics
- 2003–2007 **Bachelor's Degree in Biology and Biochemistry**, Faculté des Sciences de Luminy, Marseille.

Publications

- chapter M. Garcia et al., CNV-Interactome-Transcriptome Integration to detect driver genes in cancerology, *Microarray Image and Data Analysis: Theory and Practice*, CRC Press, 2014
- article T. Bonacci et al., Chemotherapy induced changes of post-translational modifications by ubiquitin and ubiquitin-like proteins in pancreatic cancer cells, *J Proteome Res.* 2014 May 2;13(5):2478-94
- chapter M. Garcia et al., Detection of driver protein complexes in breast cancer metastasis by large scale transcriptome-interactome integration, *Methods Mol Biol.* 2014;1101:67-85
- article M. Garcia et al., Interactome-Transcriptome integration for predicting distant metastasis in breast cancer, *Bioinformatics*, 2012
- chapter M. Garcia et al., Linking interactome to disease: a network-based analysis of metastatic relapse in breast cancer *Handbook of Research on Computational and Systems Biology: Interdisciplinary Applications*, IGI Global, 406-427, 2011

Computers skills

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|------------|-----------------------------------|------------|---|
| Scripting | Perl, Python, Bash | Statistics | MATLAB, R |
| Web | TypeScript, JavaScript, PHP/MySQL | CMS | Wordpress, Joomla |
| Management | Trello, Redmine, SVN, Git | Writing | L ^A T _E X, Office Suite |
| Graphism | Inkscape | | + Use of cluster, Linux |

Languages

- French Mother tongue
- English Fluent

Presentations

- 2016 The XVth KICancer Retreat 2016 - *poster*, Djurö, Sweden
- 2013 5th Frontiers in Cancer Science (FCS) - *poster*, Singapore, Singapore
- 2012 11th European Conference on Computational Biology (ECCB) - *poster*, Basel, Switzerland
- 2012 13ème Journées Ouvertes en Biologie Informatique et Mathématiques (JOBIM) - *poster*, Rennes, France
- 2012 6ème Colloque du Cancéropôle PACA - *poster*, Marseille, France
- 2011 12ème Journées Ouvertes en Biologie Informatique et Mathématiques (JOBIM) - *poster*, Paris, France
- 2011 19th meeting of doctoral school - *poster*, Marseille, France
- 2011 Mathematical and Statistical Aspects of Molecular Biology (MASAMB) XXI, Vienna, Austria
- 2010 Biologistes Chimistes et Physiciens VII - *poster*, Marseille, France
- 2010 Cancer Bioinformatics Workshop, Cambridge, UK
- 2010 Interactomics: at the crossroads of biology and bioinformatics - *poster*, St Raphaël, France

Fellowships

- 2012 ECCB'12 Conference Fellowship from SIB Swiss Institute of Bioinformatics
- 2011 Travel grant from MASAMB organisation
- 2009 PhD fellowship from INSERM/Région PACA

Other Responsibilities

- Scientific Society Member of International Society of Computational Biology and Société Française de BioInformatique
- Associations Vice-president of JeBiF - RSG-France (Association of French Young Bioinformaticians) from 2012 to 2014
- Doctoriales Member of organization committee and logistic support for Doctoriales en Provence in 2012
- Fête de la Science Conception and animation of a stand at Marché de la Chimie for Cancéropôle-PACA in 2011
- Blogs Contributor to <http://bioinfo-fr.net/> and <http://www.leblogducinema.com/>
- Conventions Logistic support in organization of Plan de Cuques Comics Festival 2007 to 2011
- Skill Sauveteur-Secouriste du Travail (French First-Aid Workplace Diploma)

Interests

Tai-Chi-Chuan, Gardening, Roller