

# Maxime Garcia

PhD in Bioinformatics

1982-05-14

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https://maxulysse.github.io/



Large scale data integration, automatization, analysis and visualization

## Experience

- 2016–now** **Bioinformatician**, *Barn TumörBanken* Stockholm, Sweden  
Development of a tumor/normal pair analysis workflow in collaboration with SciLifeLab NGI Stockholm;  
Whole Genome Sequencing analysis.
- 2013–2014** **Research Associate**, *Cancer Science Institute of Singapore* Singapore, Singapore  
RNAseq analysis; Genome Browser Development.
- 2009–2013** **PhD candidate**, *Centre de Recherche en Cancérologie de Marseille* Marseille, France  
Development of a Interactome-Transcriptome analysis pipeline; Intern management.

## Education

- 2013** **PhD**, *Bioinformatics and Genomics*, Aix-Marseille Université Marseille, France
- 2007–2009** **Master's Degree**, *Bioinformatics and Genomics*, Université Aix-Marseille II Marseille, France
- 2007** **Erasmus Semester**, *School of Biological Sciences*, University of East Anglia Norwich, UK
- 2003–2007** **Bachelor's Degree**, *Biology and Biochemistry*, Université Aix-Marseille II Marseille, France

## Publications

- [1] Bonacci Thomas et al. "Identification of new mechanisms of cellular response to chemotherapy by tracking changes in post-translational modifications by ubiquitin and ubiquitin-like proteins". In: *Journal of Proteome Research* (2014).
- [2] Garcia Maxime et al. "CNV-Interactome-Transcriptome Integration to detect driver genes in cancerology". In: *Microarray Image and Data Analysis: Theory and Practice*. 2013.
- [3] Garcia Maxime et al. "Detection of driver protein complexes in breast cancer metastasis by large scale transcriptome-interactome integration". In: *Methods in Molecular Biology - Gene Function Analysis*. 2013.
- [4] Garcia Maxime et al. "Interactome-Transcriptome integration for predicting distant metastasis in breast cancer". In: *Bioinformatics* 28.5 (Mar. 2012), pp. 672–678.
- [5] Garcia Maxime et al. "Linking Interactome to Disease : A Network-Based Analysis of Metastatic Relapse in Breast Cancer". In: *Handbook of Research on Computational and Systems Biology: Interdisciplinary Applications*. IGI Global, 2011, pp. 406–427.

## Skills

Scripting	Groovy, Bash, Perl	Management	Github, Trello
Pipeline	Nextflow, Make	Containers	Docker, Singularity
Web	Jekyll, Wordpress		+ HTML5, CSS3, SASS, JS
Communication	Slack, L <sup>A</sup> T <sub>E</sub> X, Beamer, Inkscape	Others	Linux, clusters, Git, R

## Languages

French	Mother tongue	English	Fluent
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## 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

## Presentations

- 2011 Mathematical and Statistical Aspects of Molecular Biology (MASAMB) XXI 📍 Vienna, Austria
- 2010 Cancer Bioinformatics Workshop 📍 Cambridge, UK

## Posters

- 2017 European Human Genetics Conference 2017 📍 Copenhagen, Denmark
- 2016 The XVth KICancer Retreat 2016 📍 Djurö, Sweden
- 2013 5th Frontiers in Cancer Science (FCS) 📍 Singapore, Singapore
- 2012 11th European Conference on Computational Biology (ECCB) 📍 Basel, Switzerland
- 2012 13ème Journées Ouvertes en Biologie Informatique et Mathématiques (JOBIM) 📍 Rennes, France
- 2012 6ème Colloque du Cancéropôle PACA 📍 Marseille, France
- 2011 12ème Journées Ouvertes en Biologie Informatique et Mathématiques (JOBIM) 📍 Paris, France
- 2011 19th meeting of doctoral school 📍 Marseille, France
- 2010 Biologistes Chimistes et Physiciens VII 📍 Marseille, France
- 2010 Interactomics: at the crossroads of biology and bioinformatics 📍 St Raphaël, France

## Scientific Societies

- ISCB Member of International Society of Computational Biology
- SFBI Member of Société Française de BioInformatique
- CFD Member of Communauté Française des Docteurs

## Associations

- 2012-now Contributor to <http://bioinfo-fr.net/> (Collaborative French-speaking bioinformatics blog)
- 2012-2014 Vice-president of JeBiF - RSG-France (Association of French Young Bioinformaticians)
- 2010-2011 President of Hippo'Thèse (Association of young researchers in Biology at Aix-Marseille University)
- 2010-2011 Vice-president/Webmaster of BIOTechno Network (French Network of Associations organizing forums about careers in Biotechnology)
- 2009-2010 Webmaster of Hippo'Thèse

## Organization and Events

- 2015 Journées nationales de la CFD (Webmaster, Member of organization committee)
- 2012 Doctoriales en Provence (Member of organization committee and logistic support)
- 2011 Marché de la Chimie @ Fête de la Science (Conception and animation of a stand)
- 2011 7th BIOTechno forum in Marseille (Head of organization committee)
- 2009-2012 Annual meeting of doctoral school in Biology and Health Sciences from Aix-Marseille University (Member of organization committee, abstract selection, jury member, logistic support)
- 2007-2011 Plan de Cuques French Comics Festival (Logistic support in organization)

## Interests

Yoga, Running, Cinema, Poker, Gardening, Ice-Skating, Science-Fiction, Popular science