Maxime Garcia

PhD in Bioinformatics

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🌐 *https://maxulysse.github.io/*

Large scale data integration, automatization,
analysis and visualization

Experiences

🗓 **2016–now** **Bioinformatician**, *BarnTumörBanken*, 📍 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.
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 & Qualifications

🗓 **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.

Computers skills

Scripting	Groovy, Bash, Perl	Management	Github, Trello
Pipeline	Nextflow, Make	Containers	Docker, Singularity
Web	Jekyll, Wordpress	+	HTML5, CSS3, SASS, JS
Communication	Slack, LaTeX, Beamer, Inkscape	Others	Linux, clusters, Git, R

Languages

French	Mother tongue	English	Fluent

Fellowhips

- 2012   ECCB'12 Conference Fellowship from SIB Swiss Institute of Bioinformatics
- 2011   Travel grant from MASAMB organisation
- 2009   PhD fellowhip 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/`
- 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 and 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   Logistic support in organization of Plan de Cuques French Comics Festival

Interests

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