

Maxime Garcia

PhD in Bioinformatics

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https://maxulyse.github.io/



Automatization, analysis, reproducibility and visualization

Experience

- from 2016 **Bioinformatician**, *The Swedish Childhood Tumor Biobank (Barntumörbanken)* Stockholm, Sweden
Development of a WGS Germline/Somatic analysis workflow in collaboration between SciLifeLab NGI & NBIS;
<https://github.com/SciLifeLab/Sarek>
Whole Genome Sequencing analysis.
- 2013-2014 **Research Associate**, *Cancer Science Institute of Singapore (CSI)* Singapore, Singapore
RNAseq analysis; Genome Browser Development.
- 2009–2013 **PhD candidate**, *Centre de Recherche en Cancérologie de Marseille (CRCM)* Marseille, France
Development of an 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

- Thomas Bonacci 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* 13.5 (2014), pp. 2478–2494. DOI: 10.1021/pr401258d.
- Maxime Garcia et al. "CNV-Interactome-Transcriptome Integration to detect driver genes in cancerology". In: *Microarray Image and Data Analysis: Theory and Practice*. 2013, pp. 331–338. ISBN: 978-1-46658-682-6.
- Maxime Garcia et al. "Detection of Driver Protein Complexes in Breast Cancer Metastasis by Large-Scale Transcriptome–Interactome Integration". In: *Gene Function Analysis*. 2014, pp. 67–85. DOI: 10.1007/978-1-62703-721-1_5.
- Maxime Garcia et al. "Interactome–transcriptome integration for predicting distant metastasis in breast cancer". In: *Bioinformatics* 28.5 (2012), pp. 672–678. DOI: 10.1093/bioinformatics/bts025.
- Maxime Garcia 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*. 2011, pp. 406–427. DOI: 10.4018/978-1-60960-491-2.ch019.
- Tong Liu et al. "Glycosylation Controls Sodium-Calcium Exchanger 3 Sub-Cellular Localization During Cell Cycle". In: *European Journal of Cell Biology* (2018). DOI: 10.1016/j.ejcb.2018.02.004.

Skills

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

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Swedish Notions

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