Maxime Garcia

PhD in Bioinformatics

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🌐 *https://maxulysse.github.io/*

Automatization, analysis, reproductibility and visualization

🏢 Experience

2016-2018 **Bioinformatician**, *Barntumörbanken | Karolinska Institutet* 📍 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

[1] Tong Liu et al. "Glycosylation Controls Sodium-Calcium Exchanger 3 Sub-Cellular Localization During Cell Cycle". In: *European Journal of Cell Biology* 97.3 (2018), pp. 190–203. DOI: 10.1016/j.ejcb.2018.02.004.

[2] 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.

[3] 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.

[4] 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.

[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.

[6] 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.

💻 Skills

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

🗨 Presentations

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📅 2018	19ème Journées Ouvertes en Biologie Informatique et Mathématiques (JOBIM)	📍 Marseille, France
📅 2018	SPHN Workflow Interoperability Workshop	📍 Basel, Switzerland
📅 2011	Mathematical and Statistical Aspects of Molecular Biology XXI	📍 Vienna, Austria
📅 2010	Cancer Bioinformatics Workshop	📍 Cambridge, UK

🖼 Selected Posters

📅 2018	Keystone Symposia Precision Medecine in Cancer	📍 Stockholm, Sweden
📅 2018	Frontiers in Cancer Research and Therapy 2018	📍 Stockholm, Sweden
📅 2017	European Human Genetics Conference (ESHG)	📍 Copenhagen, Denmark
📅 2016	The XVth KI Cancer Retreat	📍 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

🏛 Fellowhips

📅 2009	PhD fellowhip from INSERM/Région PACA

👥 Associations

📅 from 2012	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	(Member of organization committee and Webmaster)
📅 2012	Doctoriales en Provence	(Member of organization committee)
📅 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)
📅 2007-2011	Plan de Cuques French Comics Festival	(Logistic support)

💬 Languages

French Native	English Fluent	Swedish Notions

ⓘ Interests

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