Maxime Garcia

PhD in Bioinformatics

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Automatization, analysis, reproductibility and visualization

Experience

📅 **from 2016**   **Bioinformatician**, *The Swedish Pediatric Tumor Biobank (BarnTumörBanken)* 📍 Stockholm, Sweden

Development of a tumor/normal pair analysis workflow in collaboration between SciLifeLab NGI & NBIS;

⭕ https://github.com/SciLifeLab/CAW

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 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] 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.

[2] 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.

[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. "Interactome–transcriptome integration for predicting distant metastasis in breast cancer". In: *Bioinformatics* 28.5 (2012), pp. 672–678. DOI: 10.1093/bioinformatics/bts025.

[5] 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, 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

Presentations

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

Posters

📅	2017	Department Kick Off (CCK Kick Off)	📍 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
📅	2011	19th meeting of doctoral school	📍 Marseille, France
📅	2010	Biologistes Chimistes et Physiciens (BCP) VII	📍 Marseille, France
📅	2010	Interactomics: at the crossroads of biology and bioinformatics	📍 St Raphaël, France

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

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	(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)

Languages

French Native	English Fluent	Swedish Notions

Interests

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