Maxime Garcia

PhD in Bioinformatics

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② https://maxulysse.github.io/



Automatization, analysis, reproductibility 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.			
2 009–2013	PhD candidate, Centre de Recherche en Cancérologie de Marseille (CRCM)			
	Development of an Interactome-Transcriptome analysis pipeline; Intern management.			
	<u>m</u> Education			
2 013	PhD, Bioinformatics and Genomics, Aix-Marseille Université	♀ Marseille, France		
2007-2009	Master's Degree, Bioinformatics and Genomics, Université Aix-Marseille II	♀ Marseille, France		
2 007	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			

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.
- [6] 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
Containers Docker, Singularity
Web Jekyll, Wordpress
Others Slack, LATEX, Beamer, Inkscape

Pipeline Nextflow, Make Management Github, Trello, CI

+ HTML5, CSS3, SASS, JS

+ Linux, Clusters, Git, R

Presentations							
	2011	Mathematical and Statistical Aspects of	Molecular Biology (MASAMB) XXI	♀ Vienna, Austria			
	2010	·	3, (,	♀ Cambridge, UK			
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		Posters					
	2018	Frontiers in Cancer Research and Therap	у	Stockholm, Sweden			
	2017	Department Kick Off (CCK Kick Off)	Stockholm, Sweden				
	2017	European Human Genetics Conference (Copenhagen, Denmark				
	2016	The XVth KI Cancer Retreat	Q Djurö, Sweden				
	2013	5th Frontiers in Cancer Science (FCS)	Singapore, Singapore				
	2012	11th European Conference on Computat	♀ Basel, Switzerland				
	2012	13ème Journées Ouvertes en Biologie Informatique et Mathématiques (JOBIM) ♥ Rennes, Fran					
	2012	6ème Colloque du Cancéropôle PACA					
	2011	12ème Journées Ouvertes en Biologie Inf	ormatique et Mathématiques (JOBIM)	Paris, France			
	2011	19th meeting of doctoral school					
	2010	Biologistes Chimistes et Physiciens (BCP) VII Warseille, Fran					
	2010	Interactomics: at the crossroads of biolo	gy and bioinformatics	♀ St Raphaël, France			
		m Fellowhips					
	2012	ECCB'12 Conference Fellowship from SIB Swiss Institute of Bioinformatics					
	2011 Travel grant from MASAMB organisation						
	2009						
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		Associations					
💾 f	rom 2012	12 Contributor to http://bioinfo-fr.net/ (Collaborative French-speaking bioinformatics					
 2	2012-2014	4 Vice-president of JeBiF - RSG-France (Association of French Young Bioinformaticia					
 2	2010-2011	President of Hippo'Thèse (Association of young researchers in Biology at Aix-Marseille University)					
 2	2010-2011	011 Vice-president & Webmaster of BIOTechno Network					
	(French Network of Associations organizing forums about careers in Biotechnology						
 2	2009-2010	0 Webmaster of Hippo'Thèse					
		Organization and Events					
	2015	Journées nationales de la CFD	(Webmaster, Member of	organization committee)			
	2012	Doctoriales en Provence	rovence (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)					
 2	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)					
2 0	007-2011	Plan de Cuques French Comics Festival (Logistic support in organization					
		□ Languages					
	French	Native E	nglish Fluent	Swedish Notions			

1 Interests