

Maxime Garcia

PhD in Bioinformatics

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Automatization, analysis, reproducibility and visualization

🏠 Experience

- 📅 From 2022 **Bioinformatician**, *Scientific Development* / *Seqera Labs* 📍 Barcelona, Spain
🐙 [nf-core](#) - Pipeline development;
🌐 [nf-co.re](#) - In the core team that administer the nf-core project;
- 📅 2016–2022 **Bioinformatician**, *Barntumörbanken* / *Karolinska Institutet & NGI* / *ScilifeLab* 📍 Stockholm, Sweden
🐙 [nf-core/sarek](#) - Whole Genome/Targeted Sequencing Germline/Somatic analysis;
🐙 [nf-core/rnafusion](#) - RNA-fusion analysis;
🐙 [nf-core/rnavar](#) - RNA-seq variant analysis;
🌐 [nf-co.re](#) - In the core team that administer the nf-core project;
- 📅 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













📖 Selected Publications

- [1] JA Fellows Yates and al. "Reproducible, portable, and efficient ancient genome reconstruction with nf-core/eager". In: *PeerJ* 9.e10947 (2021). DOI: 10.7717/peerj.10947.
- [2] PA Ewels et al. "The nf-core framework for community-curated bioinformatics pipelines". In: *Nature Biotechnology* 38 (2020), pp. 267–278. DOI: 10.1038/s41587-020-0439-x.
- [3] MU Garcia et al. "Sarek: A portable workflow for whole-genome sequencing analysis of germline and somatic variants [version 2; peer review: 2 approved]". In: *F1000Research* 9.63 (2020). DOI: 10.12688/f1000research.16665.2.
- [4] MU 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.

















💻 Skills

Scripting	Groovy, Bash, R	Pipeline	Nextflow
Containers	Singularity, Docker, Bioconda	Management	Github, Trello, Slack
Web	Jekyll, Wordpress		+ HTML5, CSS3, SASS, JS
Others	Inkscape, L ^A T _E X, Gather.town, Markdown		+ Linux, Clusters, Git, CI








Selected Presentations

	2020	20ème Journées Ouvertes en Biologie Informatique et Mathématiques (JOBIM)	 Montpellier, France
	2019	4th Scandinavian Seminar on Translational Pathology	 Bergen, Norway
	2018	FoUU-day for clinical pathology-cytology	 Stockholm, Sweden
	2018	19ème Journées Ouvertes en Biologie Informatique et Mathématiques (JOBIM)	 Marseille, France
	2018	SPHN Workflow Interoperability Workshop	 Basel, Switzerland
	2010	Cancer Bioinformatics Workshop	 Cambridge, UK







Selected Posters

	2018	Keystone Symposia Precision Medicine 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
	2011	12ème Journées Ouvertes en Biologie Informatique et Mathématiques (JOBIM)	 Paris, France

Organization and Events

	From 2018	nf-core/hackathon	(Member of organization committee)
	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)

Associations

	2012-2019	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	

Languages

French	Native	English	Fluent	Swedish	Notions
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Interests

Yoga, Cinema, Board-Games, Gardening, Video-Games, Science-Fiction, Popular science