Maxime Garcia

PhD in Bioinformatics

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Automatization, analysis, reproductibility and visualization

🏢 Experience

From 2016   **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, LaTeX, 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 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
📅	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

ℹ Interests

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