

Maxime Garcia

PhD in Bioinformatics

📅 1982-05-14
📞 +46-(0)7-237-343-36

🐦 @gau

🔗 @maxulysse

✉ maxime.garcia@scilifelab.se

🌐 <https://maxulysse.github.io/>



Automatization, analysis, reproducibility 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

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|------------|--|------------|----------------------------|
| 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







Fellowships

-  2009 PhD fellowship from INSERM/Région PACA

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

Interests

Yoga, Cinema, Board-Games, Gardening, Ice-Skating, Science-Fiction, Popular science