






83 publications in international peer-reviewed scientific journals, including 9 publications as first/co-first author, and 16 publications as last/co-last/corresponding author. Full list available at [Google Scholar](#) and [My NCBI Bibliography](#). 14'683 total citations, h-index: 45 (source: [Google Scholar](#)), named a 2024 Top Scholar by [ScholarGPS](#) (top 0.5% of all scholars worldwide) in [Genomics](#) and [Genotyping](#), mean [NIH iCite](#) Relative Citation Ratio: 3.35 (RCR, indicating that my publications have received, on average, 3.35 times as many citations per year as the median NIH-funded papers in their fields).

Selected Publications

- 2025[#] **The European Prospective Investigation into Cancer and Nutrition Cohort (EPIC): a gateway to rare cancer epidemiological research.** 
ESMO Rare Cancers. DOI: <https://doi.org/10.1016/j.esmorc.2025.100014>
Fernandez-Cuesta L, Voegelé C, Hemon B, Alcalá K, Aune D, ..., [Foll M](#).
- 2025[#] **Basic science and translational implications of current knowledge on neuroendocrine tumors.** 
Journal of Clinical Investigation. DOI: <https://doi.org/10.1172/jci186702>; PMID: [40026252](#)
Fernandez-Cuesta L, Alcalá N, Mathian E, Derks J, Thirlwell C, Dayton T, Marinoni I, Perren A, Walter T, [Foll M](#).
- 2024[#] **Assessment of the current and emerging criteria for the histopathological classification of lung neuroendocrine tumours in the lungNENomics project.** 
ESMO Open. DOI: <https://doi.org/10.1016/j.esmoop.2024.103591>; PMID: [38878324](#)
Mathian E, Drouet Y, Sexton-Oates A, Papotti MG, Pelosi G, ..., [Foll M](#).
GitHub: <https://github.com/IARCBioinfo/LNENBarlowTwins>.
- 2024[#] **Multi-omic dataset of patient-derived tumor organoids of neuroendocrine neoplasms.** 
Gigascience. DOI: [10.1093/gigascience/giae008](https://doi.org/10.1093/gigascience/giae008); PMID: [38451475](#)
Alcalá N, Voegelé C, Mangiante L, Sexton-Oates A, Clevers H, Fernandez-Cuesta L, Dayton TL, [Foll M](#).
GitHub: [IARCBioinfo/MS_panNEN_organoids](#).
- 2023 **Druggable growth dependencies and tumor evolution analysis in patient-derived organoids of neuroendocrine neoplasms from multiple body sites.** 
Cancer Cell. DOI: [10.1016/j.ccell.2023.11.007](https://doi.org/10.1016/j.ccell.2023.11.007); PMID: [38086335](#)
Dayton TL, Alcalá N, Moonen L, den Hartigh L, Geurts V, ..., [Foll M](#), Fernández-Cuesta L, Clevers H.
- 2023[#] **Multiomic analysis of malignant pleural mesothelioma identifies molecular axes and specialized tumor profiles driving intertumor heterogeneity.** 🏆 24 citations 
Nature Genetics. DOI: [10.1038/s41588-023-01321-1](https://doi.org/10.1038/s41588-023-01321-1); PMID: [36928603](#)
Mangiante L, Alcalá N, Sexton-Oates A, Di Genova A, Gonzalez-Perez A, ..., [Foll M](#)[#], Fernandez-Cuesta L[#].
- 2023 **HaloAE: A Local Transformer Auto-Encoder for Anomaly Detection and Localization Based on HaloNet.** 
Proceedings of the 18th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications (VISIGRAPP 2023). DOI: [10.5220/0011865900003417](https://doi.org/10.5220/0011865900003417)
Mathian E, Liu H, Fernandez-Cuesta L, Samaras D, [Foll M](#), Chen L.
GitHub: [IARCBioinfo/HaloAE](#).
- 2022[#] **A molecular phenotypic map of malignant pleural mesothelioma.** 
Gigascience. DOI: [10.1093/gigascience/giac128](https://doi.org/10.1093/gigascience/giac128); PMID: [36705549](#)
Di Genova A, Mangiante L, Sexton-Oates A, Voegelé C, Fernandez-Cuesta L, Alcalá N, [Foll M](#).
GitHub: [IARCBioinfo/MESOMICS_data](#).
- 2021[#] **Challenges in lung and thoracic pathology: molecular advances in the classification of pleural mesotheliomas.**
Virchows Archiv. DOI: [10.1007/s00428-020-02980-9](https://doi.org/10.1007/s00428-020-02980-9); PMID: [33411030](#)
Fernandez-Cuesta L, Mangiante L, Alcalá N, [Foll M](#).
- 2020[#] **A molecular map of lung neuroendocrine neoplasms.** 
Gigascience. DOI: [10.1093/gigascience/giaa112](https://doi.org/10.1093/gigascience/giaa112); PMID: [33124659](#)
Gabriel AAG, Mathian E, Mangiante L, Voegelé C, Cahais V, ..., [Foll M](#).
GitHub: [IARCBioinfo/DRMetrics](#).

- 2020[#] **Needlestack: an ultra-sensitive variant caller for multi-sample next generation sequencing data.** 
NAR Genomics and Bioinformatics. DOI: [10.1093/gigascience/giac128](https://doi.org/10.1093/gigascience/giac128); PMID: [36705549](https://pubmed.ncbi.nlm.nih.gov/36705549/)
 Delhomme TM, Avogbe PH, Gabriel AAG, Alcala N, Leblay N, ..., [Foll M](#).
 GitHub: [IARCBioinfo/needlestack](https://github.com/IARCBioinfo/needlestack).
- 2020 **EURACAN/IASLC Proposals for Updating the Histologic Classification of Pleural Mesothelioma: Towards a More Multidisciplinary Approach.**  147 citations 
Journal of Thoracic Oncology. DOI: [10.1016/j.jtho.2019.08.2506](https://doi.org/10.1016/j.jtho.2019.08.2506); PMID: [31546041](https://pubmed.ncbi.nlm.nih.gov/31546041/)
 Nicholson AG, Sauter JL, Nowak AK, Kindler HL, Gill RR, ..., [Foll M](#), ..., Galateau-Salle F.
- 2019[#] **Molecular studies of lung neuroendocrine neoplasms uncover new concepts and entities.** 
Translational Lung Cancer Research. DOI: [10.21037/tlcr.2019.11.08](https://doi.org/10.21037/tlcr.2019.11.08); PMID: [32038931](https://pubmed.ncbi.nlm.nih.gov/32038931/)
 Fernandez-Cuesta L, [Foll M](#).
- 2019[#] **Redefining malignant pleural mesothelioma types as a continuum uncovers immune-vascular interactions.** 
EBioMedicine. DOI: [10.1016/j.ebiom.2019.09.003](https://doi.org/10.1016/j.ebiom.2019.09.003); PMID: [31648983](https://pubmed.ncbi.nlm.nih.gov/31648983/)
 Alcala N, Mangiante L, Le-Stang N, Gustafson CE, Boyault S, ..., [Foll M](#)[#], Galateau-Salle F[#], Fernandez-Cuesta L[#].
- 2019[#] **Integrative and comparative genomic analyses identify clinically relevant pulmonary carcinoid groups and unveil the supra-carcinoids.**  141 citations 
Nature communications. DOI: [10.1038/s41467-019-11276-9](https://doi.org/10.1038/s41467-019-11276-9); PMID: [31431620](https://pubmed.ncbi.nlm.nih.gov/31431620/)
 Alcala N, Leblay N, Gabriel AAG, Mangiante L, Hervas D, ..., [Foll M](#)[#], Fernandez-Cuesta L[#].
- 2019 **Linking a mutation to survival in wild mice.**  172 citations 
Science. DOI: [10.1126/science.aav3824](https://doi.org/10.1126/science.aav3824); PMID: [30705186](https://pubmed.ncbi.nlm.nih.gov/30705186/)
 Barrett RDH, Laurent S, Mallarino R, Pfeifer SP, Xu CCY, [Foll M](#), ..., Hoekstra HE.
- 2018 **Prediction of acute myeloid leukaemia risk in healthy individuals.**  778 citations 
Nature. DOI: [10.1038/s41586-018-0317-6](https://doi.org/10.1038/s41586-018-0317-6); PMID: [29988082](https://pubmed.ncbi.nlm.nih.gov/29988082/)
 Abelson S, Collord G, Ng SWK, Weissbrod O, Mendelson Cohen N, ..., [Foll M](#), ..., Shlush LI.
- 2017 **BAP1 Is Altered by Copy Number Loss, Mutation, and/or Loss of Protein Expression in More Than 70% of Malignant Peritoneal Mesotheliomas.** 
Journal of Thoracic Oncology. DOI: [10.1016/j.jtho.2016.12.019](https://doi.org/10.1016/j.jtho.2016.12.019); PMID: [28034829](https://pubmed.ncbi.nlm.nih.gov/28034829/)
 Leblay N, Leprêtre F, Le Stang N, Gautier-Stein A, Villeneuve L, ..., [Foll M](#), Fernandez-Cuesta L, Brevet M.
- 2015^{*} **WFABC: a Wright-Fisher ABC-based approach for inferring effective population sizes and selection coefficients from time-sampled data.**
Molecular Ecology Resources. DOI: [10.1111/1755-0998.12280](https://doi.org/10.1111/1755-0998.12280); PMID: [24834845](https://pubmed.ncbi.nlm.nih.gov/24834845/)
[Foll M](#), Shim H, Jensen JD.
 GitHub: [mfoll/WFABC](https://github.com/mfoll/WFABC).
- 2014^{*} **Widespread signals of convergent adaptation to high altitude in Asia and America.** 
The American Journal of Human Genetics. DOI: [10.1016/j.ajhg.2014.09.002](https://doi.org/10.1016/j.ajhg.2014.09.002); PMID: [25262650](https://pubmed.ncbi.nlm.nih.gov/25262650/)
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 GitHub: [mfoll/BayeScanHierarchical](https://github.com/mfoll/BayeScanHierarchical).
- 2014^{*} **Adaptive, convergent origins of the pygmy phenotype in African rainforest hunter-gatherers.** 
Proceedings of the National Academy of Sciences. DOI: [10.1073/pnas.1402875111](https://doi.org/10.1073/pnas.1402875111); PMID: [25136101](https://pubmed.ncbi.nlm.nih.gov/25136101/)
 Perry GH, [Foll M](#), Grenier JC, Patin E, Nédélec Y, ..., Barreiro LB.
- 2014^{*} **Influenza virus drug resistance: a time-sampled population genetics perspective.** 
PLOS Genetics. DOI: [10.1371/journal.pgen.1004185](https://doi.org/10.1371/journal.pgen.1004185); PMID: [24586206](https://pubmed.ncbi.nlm.nih.gov/24586206/)
[Foll M](#), Poh YP, Renzette N, Ferrer-Admetlla A, Bank C, ..., Jensen JD.
- 2013[#] **Robust demographic inference from genomic and SNP data.**  1350 citations 
PLOS Genetics. DOI: [10.1371/journal.pgen.1003905](https://doi.org/10.1371/journal.pgen.1003905); PMID: [24204310](https://pubmed.ncbi.nlm.nih.gov/24204310/)
 Excoffier L, Dupanloup I, Huerta-Sánchez E, Sousa VC, [Foll M](#).
- 2013 **Approximate Bayesian computation.**  695 citations 
PLOS Computational Biology. DOI: [10.1371/journal.pcbi.1002803](https://doi.org/10.1371/journal.pcbi.1002803); PMID: [23341757](https://pubmed.ncbi.nlm.nih.gov/23341757/)
 Sunnåker M, Busetto AG, Numminen E, Corander J, [Foll M](#), Dessimoz C.

- 2011[#] **fastsimcoal: a continuous-time coalescent simulator of genomic diversity under arbitrarily complex evolutionary scenarios.** 🏆 419 citations 🌐
Bioinformatics. DOI: [10.1093/bioinformatics/btr124](https://doi.org/10.1093/bioinformatics/btr124); PMID: [21398675](https://pubmed.ncbi.nlm.nih.gov/21398675/)
 Excoffier L, Foll M.
 Code: cmpg.unibe.ch/software/fastsimcoal2.
- 2010[#] **Quantifying population structure using the F-model.**
Molecular Ecology Resources. DOI: [10.1111/j.1755-0998.2010.02873.x](https://doi.org/10.1111/j.1755-0998.2010.02873.x); PMID: [21565093](https://pubmed.ncbi.nlm.nih.gov/21565093/)
 Gaggiotti OE, Foll M.
- 2009 **Genetic consequences of range expansions.** 🏆 1330 citations
Annual Review of Ecology, Evolution, and Systematics. DOI: [10.1146/annurev.ecolsys.39.110707.173414](https://doi.org/10.1146/annurev.ecolsys.39.110707.173414); Full text
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- 2009[#] **Detecting loci under selection in a hierarchically structured population.** 🏆 921 citations 🌐
Heredity (Edinb). DOI: [10.1038/hdy.2009.74](https://doi.org/10.1038/hdy.2009.74); PMID: [19623208](https://pubmed.ncbi.nlm.nih.gov/19623208/)
 Excoffier L, Hofer T, Foll M.
 Code: cmpg.unibe.ch/software/arlequin35/.
- 2008* **A genome-scan method to identify selected loci appropriate for both dominant and codominant markers: a Bayesian perspective.** 🏆 2867 citations 🌐
Genetics. DOI: [10.1534/genetics.108.092221](https://doi.org/10.1534/genetics.108.092221); PMID: [18780740](https://pubmed.ncbi.nlm.nih.gov/18780740/)
 Foll M, Gaggiotti O.
 GitHub: [mfoll/BayeScan](https://github.com/mfoll/BayeScan).
- 2006* **Identifying the environmental factors that determine the genetic structure of populations.** 🏆 418 citations 🌐
Genetics. DOI: [10.1534/genetics.106.059451](https://doi.org/10.1534/genetics.106.059451); PMID: [16951078](https://pubmed.ncbi.nlm.nih.gov/16951078/)
 Foll M, Gaggiotti O.
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*: first/co-first author.

#: last/co-last/corresponding author.

🏆 : >20 citations/year.

🏆 : >50 citations/year (on average since publication, source: [Google Scholar](https://scholar.google.com)).

🌐 : Open Access publication.