

82 publications in international peer-reviewed scientific journals, including 9 publications as first/co-first author, and 15 publications as last/co-last/corresponding author.












14'406 total citations, h-index: 44 (source: [Google Scholar](#)).

Full list available at [Google Scholar](#) and [My NCBI Bibliography](#).

## Selected Publications

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- 2025<sup>#</sup> **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<sup>#</sup> **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<sup>#</sup> **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 **Spotlight on Small-Cell Lung Cancer and Other Lung Neuroendocrine Neoplasms.**   
*American Society of Clinical Oncology Educational Book*. DOI: [10.1200/EDBK\\_390794](https://doi.org/10.1200/EDBK_390794); PMID: [37229617](#)  
Fernandez-Cuesta L, Sexton-Oates A, Bayat L, [Foll M](#), Lau SCM, Leal T.
- 2023<sup>#</sup> **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](#)<sup>#</sup>, Fernandez-Cuesta L<sup>#</sup>.
- 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<sup>#</sup> **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<sup>#</sup> **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<sup>#</sup> **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<sup>#</sup> **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](#)  
Delhomme TM, Avogbe PH, Gabriel AAG, Alcalá N, Leblay N, ..., [Foll M](#).  
GitHub: [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](#)  
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](#)<sup>#</sup>, Galateau-Salle F<sup>#</sup>, Fernandez-Cuesta L<sup>#</sup>.
- 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](#)<sup>#</sup>, Fernandez-Cuesta L<sup>#</sup>.
- 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.
- 2016 **The past, present and future of genomic scans for selection.**  
*Molecular Ecology*. DOI: [10.1111/mec.13493](https://doi.org/10.1111/mec.13493); PMID: [26745554](https://pubmed.ncbi.nlm.nih.gov/26745554/)  
 Jensen JD, [Foll M](#), Bernatchez L.
- 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/)  
[Foll M](#), Gaggiotti OE, Daub JT, Vatsiou A, Excoffier L.  
 GitHub: [mfoll/BayeScanHierachical](https://github.com/mfoll/BayeScanHierachical).
- 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.
- 2012 **Genomic data reveal a complex making of humans.**   
*PLOS Genetics*. DOI: [10.1371/journal.pgen.1002837](https://doi.org/10.1371/journal.pgen.1002837); PMID: [22829785](https://pubmed.ncbi.nlm.nih.gov/22829785/)  
 Alves I, Srámková Hanulová A, [Foll M](#), Excoffier L.
- 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](https://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  
 L Excoffier, Foll M, RJ Petit
- 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/](http://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.  
 Code: [leca.osug.fr/-Genomique-des-populations-](http://leca.osug.fr/-Genomique-des-populations-).
- \*: 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.