# Hadrien Gourlé

*Doctoral Student in Bioinformatics*

## Education

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| 2016–current | **PhD in Bioinformatics**, *SLU*, Uppsala, Assessing the Anthropogenic Impact on West Indian Coral Reefs. |
| 2014–2015 | **Master in Biology**, *SLU*, Uppsala, Comparative analysis of the *Mycoplasma mycoides* cluster. |
| 2011–2014 | **Bachelor in Biotechnology**, *HeH*, Mons, Belgium. |

## Experience

2015–2016 **Research Assistant**, *SLU*, Uppsala.
General

- Genome assembly and annotation of *Setaria digitata*, a nematode responsible of filariasis;
- Genome annotation of an Antarctic Sea Urchin and differential expression of sea urchins to characterise their reaction to climate change;
- Development of MetLab: a user-friendly interface for viral metagenomics.

## Skills

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| **Bioinformatics** | Metagenomics, Transcriptomics | **Programming** | Python, R, Bash, Rust, Nextflow |
| **Sysadmin** | Unix, Azure, Containers | **Languages** | English, French, Swedish |

## Recent Publications

[1] Hadrien Gourlé, Oskar Karlsson-Lindsjö, Juliette Hayer, and Erik Bongcam-Rudloff. Simulating illumina metagenomic data with InSilicoSeq. *Bioinformatics*, July 2018.

[2] Rafael Hernández-de Diego, Etienne P de Villiers, Tomas Klingström, Hadrien Gourlé, Ana Conesa, and Erik Bongcam-Rudloff. The eBioKit, a stand-alone educational platform for bioinformatics. *PLoS Comput. Biol.*, 13(9):e1005616, September 2017.

[3] Artemis S Louyakis, Hadrien Gourlé, Giorgio Casaburi, Rachelle M E Bonjawo, Alexandrea A Duscher, and Jamie S Foster. A year in the life of a thrombolite: comparative metatranscriptomics reveals dynamic metabolic changes over diel and seasonal cycles. *Environ. Microbiol.*, 20(2):842–861, February 2018.

## Recent Grants

- **Swedish Biodiversity Program**: A dive into the microbial diversity of coral reefs

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## Teaching

o Software/Data Carpentry Instructor

o Semester course in Bioinformatics, 10ECTS (Since 2015

o Most teaching materials available open source and freely available online