

Julien KINCAID-SMITH

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Ph.D. student in Biology/Ecology

(Host-Pathogen-Environment-Interactions laboratory (IHPE), 58-avenue Paul Alduy- 66860
Perpignan, France)

EDUCATION

- 2014-15 **M.Sc. in Environmental Genomics - Integrated Biology: Molecules, Population, and Sustainability.** Head of promotion, with honours.
University of Perpignan, France.
- 2010-13 **B.Sc. in Biology and Ecology.**
University of Perpignan, France.

PROFFESIONAL EXPERIENCES

- Ongoing
2015-18 **Ph.D in Biology** - Life history traits modification during hybridization and analysis of the underlying molecular mechanisms in *Schistosoma* genus flatworm parasites.
Host-Pathogen-Environment Interactions laboratory (IHPE), UMR 5244 UPVD-CNRS-Ifremer-UM. Perpignan, France
Supervised by: Dr. Jérôme Boissier and Dr. Eve Toulza
- 2015
(6 m) **Last year M.Sc. Internship** - Identification of maternally and paternally imprinted genes in female and male schistosome parasites
Host-Pathogen-Environment Interactions laboratory (IHPE), UMR 5244 UPVD-CNRS-Ifremer-UM. Perpignan, France
Supervised by: Dr. Jérôme Boissier and Dr. Eve Toulza
- 2014
(3 m) **First year M.Sc. internship** - Populationel comparison project of two chronotypes of the flatworm parasite *Schistosoma mansoni*
Host-Pathogen-Environment Interactions laboratory (IHPE), UMR 5244 UPVD-CNRS-Ifremer-UM. Perpignan, France
Supervised by: Dr. Eve Toulza and Dr. Hélène Moné
- 2013
(2 w) **Third year B.Sc. internship** - Training period participating in the technical development of a protocol for flow cytometric analysis of circulating hemocytes from *Biomphalaria glabrata*, intermediate host of the parasite responsible for bilharzia
Host-Pathogen-Environment Interactions laboratory (IHPE), UMR 5244 UPVD-CNRS-Ifremer-UM. Perpignan, France
Supervised by: Dr. Benjamin Gourbal

SKILLS

LIVING MATERIAL HANDLING

- Experimental infestation on vertebrate definitive host (hamsters) and intermediate host (molluscs)
- Dissection, tissue sampling, perfusion and collection of parasites

FIELD (Corsica and Cameroon)

- Identification and collection of specific intermediate host snails.
- Trapping campaign in Corsica on potential rodent hosts of bilharzia
- Exploration of bovine schistosomiasis in slaughterhouses and from patient's urine in Cameroon

INFO and BIOINFORMATICS (Windows and Mac)

- Office package (Word, Excel etc.).
- R statistical and graphical computing software
- Introduced to Unix language
- Galaxy Web based Platform for computational biology
- New generation sequencing (NGS) tools
- Sequencing data processing and analysis (genomics and transcriptomics), (read cleaning, mapping, polymorphisms identification, differential gene expression analysis)
- Basic Local Alignment Search Tool (BLAST) analysis
- Integrative Genomics Viewer (IGV)
- Computer and Internet Certificate (French "C2I " specialised in environment and sustainable development activities)
- Google Earth and MapInfo (GIS : Geographic Information System)

LANGUES

- English and French (fluent)
- CLES 1: Certificate of Language Skills for Higher Education

OTHERS SKILLS / INFORMATION

- Driver's license
- Boat license
- First level of diving certificate
- Sports: 5th year of Savate French boxing (Yellow glove), scuba diving and many other sports
- Mobile with many experiences overseas (South Africa, India, England...)

SCIENTIFIC PRODUCTION

- Animation of the 2015 science festival days of the University of Perpignan

ORAL COMMUNICATIONS:

- **Conferences Jacques Monod " Infectious diseases as a motor of evolution: the challenges ahead", 6-10 September 2014 , Roscoff.**
Toulza, E., **Kincaid-Smith, J.**, Mouahid, G., Allienne, J.F., Grunau, C., Boissier, J., Mitta, G., Langand, J., Idris, M., Habbash, S., Moné, H. Host shift in the platyhelminth *Schistosoma mansoni* : searching for the basis of parasite chronobiology using pop(pool)ation genomics

- **Bioinformatics for Environmental Genomics workshop, 27-28 Mai 2014, Lyon.**
Toulza, E., **Kincaid-Smith, J.**, Mouahid, G., Allienne, J.F., Grunau, C., Boissier, J., Mitta, G., Languard, J., Moné, H. Comparative Pop(pool)ation genomics of two chronotypes of the metazoan parasite *Schistosoma mansoni* : insights into adaptation to a new host

ARTICLES :

- Jérôme Boissier, **Julien Kincaid-Smith**, Antoine Berry, Jean-François Allienne, Judith Fillaux, Ève Toulza: [*Global changes and snail-borne disease: an hybrid schistosome reaches Europe*]. 11/2015; 31(11):962-964. DOI:10.1051/medsci/20153111008