

Dr. Frédéric Fyon  
Post-Doctoral Researcher  
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## **Education and Professional Experience**

- Sep 2020 – Aug 22: **Post-Doctoral Researcher**  
*Royal Holloway, University of London (Egham, UK)*  
Title: Evolution of Asexuality in the Amazon Molly  
Supervised by Pr. Francisco Úbeda
- Sep 2017 – Jun 20: **International cooperation for development**  
*Multiple international organizations (Mexico)*  
Duties: development of projects around autonomy, sustainable agriculture, self-determination of indigenous people, post-catastrophe humanitarian relief, lectures  
Skills: Planning, time management, team work, adaptivity
- Jan 2017 – Aug 17: **Associative volunteering for homelessness relief**  
*Luttopia (Montpellier)*  
Duties: basic support to a shelter, general organization, conflict resolution, social and cultural events  
Skills: Planning, conflict de-escalation, event organization
- Sep 2013 – Dec 16: **PhD in Genetics and Genomics**  
*Université de Montpellier (Montpellier, France)*  
Title : Competition for Transcription and Gene Expression Evolution in Diploids  
Supervised by Dr. Thomas Lenormand
- Sep 2012 – Aug 18: **Graduate Researcher**  
*CNRS –UMR5175 (Montpellier, France)*  
Title: Competition for Transcription Between Homologous cis-Regulatory sequences in Diploids
- Sep 2009 – Aug 12: **ENS Diploma in Life Sciences**  
*Ecole Normale Supérieure (Paris, France)*
- Sep 2010 – Aug 12 : **Master's Degree in Ecology, Biodiversity and Evolution**  
*Ecole Normale Supérieure & Université Pierre-et-Marie Curie (Paris, France)*

**2<sup>nd</sup> year project (6 months)**

CNRS – UMR 5175 (Montpellier, France)

Title : Kin Selection Favouring Cooperation in Structured Populations

Supervised by Dr. Thomas Lenormand

**1<sup>st</sup> year project (4 months)**

*Université Pierre-et-Marie-Curie* (Paris, France)

Title : Developmental Plasticity in Ants as a Source of Evolutionary Novelties

Supervised by Pr. Thomas Molet

Sep 2007 – Aug 09: **Bachelor's Degree in Life Sciences**

*Lycée Sainte-Genevieve* (Versailles, Paris) & *Ecole Normale Supérieure* (Paris, France)

**3<sup>rd</sup> year project (2 months)**

*Moulis Ecological Station* (Moulis, France)

Title: Bottom-Down Control of Zoo and Phytoplankton by Stream-Water Fishes

Supervised by Dr. Simon Blanchet

## **Publications**

Fyon F, Wild G, Miron Berbel Filho W and Úbeda F (submitted). Multi-step Evolution of Gynogenesis in the Amazon Molly.

Lenormand T, Fyon F, Sun E & Roze D (2020). Sex-Chromosome Degeneration by Regulatory **Current Biology**. 30(15):3001-3006.e5. **Impact Factor: 9.6**

doi:10.1016/j.cub.2020.05.052.

Fyon F and Lenormand T (2018) Cis-regulator Runaway and Divergence in Asexuals. **Evolution**. 72: 426-439. **Impact Factor: 3.7**

doi:10.1111/evo.13424.

Fyon F, Cailleau A, Lenormand T (2015) Enhancer Runaway and the Evolution of Diploid Gene Expression. **PLoS Genet**. 11(11):e1005665. **Impact Factor: 5.2**

doi:10.1371/journal.pgen.1005665.

## **Presentations**

- 2020:           Invited seminar  
*Ecology Evolution and Behaviour Research Centre, Royal Holloway University of London (Egham, UK).*
- 2014:           Poster  
*Society for Molecular Biology and Evolution Annual Conference (Puerto Rico)*
- 2013:           Invited Presentation  
*Models in Ecology and Evolution Annual Conference (Montpellier, France)*

## **Teaching experience**

### **Courses**

- 2022:           **Evolution of Sexual and Asexual Reproductions**  
*University of Oklahoma (Puebla, Mexico)*
- 2022:           **Mediterranean Ecology Field Course**  
*Royal Holloway, University of London (Portugal)*
- 2021 – 22:      **Lecturer in Evolution**  
*Royal Holloway, University of London (Egham, UK)*
- 2020:           **Personal English Teacher**  
*Robert's School of English (Gijón, Spain)*

## **Supervision**

2021-22:      **Undergraduate Research Projects on the Evolution of Cooperation**  
*Royal Holloway, University of London (Egham, UK)*

2010 – 11:    **Preparation of Undergraduate Students for Admission Tests to  
Competitive Academic Institutions**  
*Lycée Sainte-Geneviève (Versailles, France)*

## **Academic Services**

### **Organisation of Scientific Meetings**

2021 :         **Symposium on the Evolution of Gene Regulatory Elements**  
*Society for Molecular Biology and Evolution Annual Conference (virtual)*

2014 – 15:    **Models in Ecology and Evolution Annual Conference (Montpellier, France)**

### **Academic Responsibilities**

2015:         **Laboratory Council Representative for Temporary Staff**

## **Additional Skills**

Languages:    French (native)  
                  English (fluent – C2)  
                  Spanish (fluent – C2)

Programming: C++

Mathematica

HTML – CSS

Python

R