



Alejandro Couce Iglesias

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Summary of CV

This section describes briefly a summary of your career in science, academic and research; the main scientific and technological achievements and goals in your line of research in the medium -and long- term. It also includes other important aspects or peculiarities.

I am a microbial geneticist focused on understanding the fundamental molecular mechanisms that drive evolution, for which I use a multidisciplinary combination of experimental evolution, bioinformatics and computer simulation.

POSITIONS:

- Marie Skłodowska-Curie Fellow (2017-19). Imperial College, London (UK).
- FEBS Short-Term Fellow (2017). CNB-CSIC, Madrid (Spain).
- Post-doc (2013-17). INSERM, Paris (France).
- Research Assistant (2010-13). CNB-CSIC, Madrid (Spain).
- EEA Visiting Fellow (2010). University of Oslo, Oslo (Norway).
- FIS-UCIII PhD student (2006-10). CNB-CSIC, Madrid (Spain).

PUBLICATION RECORD:

All my articles are published in Q1 journals, including best-in-field or multidisciplinary ones such as PNAS, Genetics, Proceedings B and PLoS Genetics (one preprint currently under review in Science). Notably, I am the first author in 10 of my papers, including 7 cases of being both first and corresponding author, clear evidence of scientific independence. My articles have accrued >650 citations (> 50% in the last 3 years), and my H-index is 12.

PRIZES:

- “Best Professional Trajectory” (2017). National Museum of Science and Technology (MUNCYT) and Institute of Biomedical Research of A Coruña (INIBIC).

AWARDS and GRANTS:

- Marie Skłodowska-Curie Individual Fellowship (2017)
- FEBS Short-Term Fellowship (2017)
- SBE Young Investigator Travel Grant (2017)
- ASM Young Investigator Travel Grant (2016)
- EEA Abel Visiting Fellowship (2010)
- FIS-ISCIII PhD Scholarship (2006)
- Participation in 4 R&D projects funded by national (Institute of Health Carlos III, ISCIII) and international competitive schemes (European Commission, European Research Council).

**CONFERENCES (organiser):**

- Symposium Chair: "The causes of parallel molecular evolution". The SMBE Annual Meeting 2019, Manchester (London), 2019.

CONFERENCES (speaker):

- The SMBE Annual Meeting 2018, Yokohama (Japan), 2018.
- The SMBE Annual Meeting 2017, Austin (USA), 2017.
- The 2nd ASM Conference on Experimental Microbial Evolution, Washington (USA), 2016.
- The International workshop "Quantitative Laws II", Como (Italy), 2016.

INVITED TALKS AND WORKSHOPS:

- "Junior Workshop Frontiers in Plant Biology", Madrid (Spain), 2018.
- "VIII International Young Investigator Meeting 2017", A Coruña (Spain), 2017.
- "Ideas that keep us awake", Paris (France) 2016.
- "Experimental Evolution: Theory and Current Practices", Paris (France) 2015.
- "Empirism and Theory in Ecology and Evolution", Gif-sur-Yvette (France) 2015.
- Seminar at Faculté de Médecine Cochin (Paris) on 30/03/2015.

EDITORIAL TASKS:

- Guest Editor in Frontiers in Microbiology.
- Peer-reviewer in >10 journals: mBio, Heredity, Science Advances, Molecular Biology and Evolution (twice), Genetica, PLoS Genetics (twice), Journal of Theoretical Biology, PLoS One.

TEACHING & MENTORING:

- Lecturing to MSc students in Medical English, Faculté of Medicine Xavier Bichat (Paris, 2017)
- Lecturing to 3rd year BSc students enrolled in the module "Symbiosis, Plant Immunity and Defence", Imperial College (London, 2018-19)
- Mentoring of PhD students (3), MSc students (1), final year undergraduate internships (1), summer students (1) and technician students (1), which contributed to 7 out my 18 articles.

OUTREACH:

- 1 book chapter (ISBN: 9788497491303)
- Open conference "Comiendo genes" (2006)
- Editor at Wikillerato (Fundación Telefonica)
- Science consultant (Cadena Ser)

General quality indicators of scientific research

This section describes briefly the main quality indicators of scientific production (periods of research activity, experience in supervising doctoral theses, total citations, articles in journals of the first quartile, H index...). It also includes other important aspects or peculiarities.

I have published all my articles in **Q1** peer-reviewed international journals, including best-in-field or multidisciplinary ones such as PNAS, Genetics, Proceedings B and PLoS Genetics (totalling 16, two further articles in preprint format, one of them currently under review in Science). According to the 2017 Scimago Journal & Country Rank, these journals are top-tier in the following fields : "Genetics" (4 articles), "Infectious Diseases" (7 articles), "Microbiology" (1 article), "Biochemistry, Genetics and Molecular Biology (Miscellaneous)" (3 articles) and "Multidisciplinary" (1 article). Notably, I am the first author in 10 of my papers, including **7** cases in which I am **both first and corresponding** author, clear evidence of maturity and scientific independence. A summary of my citation indices is presented in what follows:

Total Citations: 650

H-index: 12

i10-index: 12

Alejandro Couce Iglesias

Surname(s): **Couce Iglesias**
Name: **Alejandro**
ORCID: **0000-0002-4153-6018**
Personal web page: **<https://scholar.google.com/citations?user=NM1M474AAAAJ&hl=es>**

Current professional situation

Employing entity: Imperial College London **Type of entity:** University
Department: Life Sciences
Professional category: Research Fellow (Marie Skłodowska-Curie IE Fellowship)
Start date: 01/12/2017
Dedication regime: Full time
Primary (UNESCO code): 240900 - Genetics; 241400 - Microbiology

Previous positions and activities

	Employing entity	Professional category	Start date
1	Spanish National Centre for Biotechnology (CNB-CSIC)	Visiting Fellow (FEBS Short-Term Fellowship)	01/10/2017
2	Faculté de Médecine Xavier Bichat, UMR 1137 INSERM, Paris	Postdoctoral Researcher	01/10/2013
3	Spanish National Centre for Biotechnology (CNB-CSIC)	Research Assistant	15/07/2011
4	Spanish National Centre for Biotechnology (CNB-CSIC)	PhD Student	16/02/2006
5	Centre for Ecological and Evolutionary Synthesis at University of Oslo	Visiting Fellow (UCM-EEA Abel Grant)	30/07/2010

1 **Employing entity:** Spanish National Centre for Biotechnology (CNB-CSIC) **Type of entity:** Public Research Body
Professional category: Visiting Fellow (FEBS Short-Term Fellowship)
Start-End date: 01/10/2017 - 31/12/2017

2 **Employing entity:** Faculté de Médecine Xavier Bichat, UMR 1137 INSERM, Paris **Type of entity:** University Research Institute
Professional category: Postdoctoral Researcher
Start-End date: 01/10/2013 - 01/10/2017

3 **Employing entity:** Spanish National Centre for Biotechnology (CNB-CSIC) **Type of entity:** Public Research Body
Professional category: Research Assistant



Start-End date: 15/07/2011 - 30/10/2013

4 **Employing entity:** Spanish National Centre for Biotechnology (CNB-CSIC) **Type of entity:** Public Research Body

Professional category: PhD Student

Start-End date: 16/02/2006 - 31/12/2010

5 **Employing entity:** Centre for Ecological and Evolutionary Synthesis at University of Oslo

Professional category: Visiting Fellow (UCM-EEA Abel Grant)

Start-End date: 30/07/2010 - 30/09/2010



Education

University education

1st and 2nd cycle studies and pre-Bologna degrees

- 1 University degree:** Master
Name of qualification: MSc in Physics of Complex Systems
Degree awarding entity: Carlos III University of Madrid
Date of qualification: 28/06/2007
- 2 University degree:** Higher degree
Name of qualification: BSc in Biology
Degree awarding entity: Autonomous University of Madrid
Date of qualification: 16/03/2005
- 3 University degree:** Higher degree
Name of qualification: BSc in Biochemistry
Degree awarding entity: University of Salamanca
Date of qualification: 30/06/2002

Doctorates

Doctorate programme: Biophysics
Degree awarding entity: Autonomous University of Madrid
Date of degree: 17/12/2012

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
French	C1	C1	B2	B2	B2
English	C2	C2	C1	C1	C2
Spanish	C2	C2	C2	C2	C2
Gallegan	C2	C2	C2	C2	C2

Teaching experience



General teaching experience

- 1** **Name of the course:** Symbiosis, Plant Immunity and Defence
University degree: BSc Ecology and Environmental Biology
Start date: 11/2018 **End date:** 03/2019
Entity: Imperial College London
- 2** **Name of the course:** Looking for evidence-based answers: tales from a microbial geneticist
University degree: Diplôme Universitaire d'Anglais Médical
Start date: 22/05/2017 **End date:** 22/05/2017
Entity: Université Paris Diderot **Type of entity:** University

Experience supervising doctoral thesis and/or final year projects

- 1** **Project title:** Adaptation d'Escherichia coli au tube digestif de souris en fonction du régime alimentaire (MSc in Microbiology)
Entity: Université Paris-Sud **Type of entity:** University
Student: Mohamed Ghalayini
- 2** **Project title:** Mutator and antimutator genes in Mycobacteria (Doctorado en Biología Molecular y Celular)
Entity: Centro Nacional de Biotecnología **Type of entity:** State agency
Student: Jasmina Vasiljevic
- 3** **Project title:** Pleiotropy and complexity in regulatory networks of Escherichia coli: confronting Fisher's Geometric Model of Adaptation to high-throughput data (PhD)
Entity: Université Sorbonne Paris Cité **Type of entity:** University
Student: Harry Kemble
- 4** **Project title:** The role of the RNA Repair System in escaping from antibiotic stress (Final Year)
Entity: Imperial College London **Type of entity:** University
Student: Susanna Ward
- 5** **Project title:** Trayectorias evolutivas de las mutaciones que confieren resistencia a gentamicina en Escherichia coli (PhD)
Entity: Universidad Autónoma de Madrid **Type of entity:** University
Student: Claudia Ibacache

Educational or pedagogical publications, books, articles, etc.

Alejandro Couce Iglesias;; Rafael Bisquerra Alzina; Carlos Hué García; María José Iglesias Cortizas. El reto de la educación emocional en nuestra sociedad.

Name of the materials: Bases biológicas de la emoción

Date of drafting: 01/01/2004

Format: Book

Corresponding author: No

Other activities/achievements not included above

- 1 Description of the activity:** Supervising the final year project for "Technicien supérieur en biotechnologie" (Romain Fernandès)
Organising entity: Ministère de l'Enseignement supérieur et de la Recherche
End date: 2016
Type of entity: State agency
- 2 Description of the activity:** Supervising an undergraduate summer research project (José Vicente Velázquez)
Organising entity: Centro Nacional de Biotecnología
End date: 2011
Type of entity: State agency

Scientific and technological experience

Scientific or technological activities

R&D projects funded through competitive calls of public or private entities

- 1 Name of the project:** Marie Sklodowska-Curie Individual Fellowship
Entity where project took place: Imperial College London
Type of entity: University
City of entity: London,
Funding entity or bodies: European Research Council (Horizon 2020)
Start-End date: 2017 - 2019
Total amount: 183.454,8 €
- 2 Name of the project:** Genetic and Phenotypic Modelling of Bacterial Evolution (ERC Starting Grant)
Entity where project took place: Faculté de Médecine Xavier Bichat, UMR 1137 INSERM, Paris (France)
City of entity: Paris, Île de France, France
N° of researchers: 1
Funding entity or bodies: European Research Council (7th Framework)
Start-End date: 2013 - 2018
Total amount: 1.485.600 €
- 3 Name of the project:** Red Española de Investigación en Patología Infecciosa (RD12/0015/0012)
Entity where project took place: Spanish National Centre for Biotechnology (CNB-CSIC)
City of entity: Madrid, Community of Madrid, Spain
Funding entity or bodies: Instituto de Salud Carlos III
Type of entity: Public Research Body
City funding entity: Majadahonda, Community of Madrid, Spain
Start-End date: 2012 - 2014
Total amount: 59.110 €

4 **Name of the project:** Predicting Antibiotic Resistance (FP-HEALTH-2009-single stage)
Entity where project took place: Spanish National Centre for Biotechnology (CNB-CSIC) **Type of entity:** Public Research Body
City of entity: Madrid, Community of Madrid, Spain
Nº of researchers: 13
Funding entity or bodies: European Research Council (7th framework)
Start-End date: 2010 - 2013
Total amount: 6.000.000 €

5 **Name of the project:** Ayudas Predoctorales de Formación en Investigación en Salud (FI05/00569)
Entity where project took place: Spanish National Centre for Biotechnology (CNB-CSIC) **Type of entity:** R&D Centre
City of entity: Madrid,
Start-End date: 2006 - 2010
Total amount: 62.400 €

R&D non-competitive contracts, agreements or projects with public or private entities

Name of the project: OPTObacteria. Multianalyte automatic system for the detection of drug resistant bacteria FP7-SME-2011-286998)
Funding entity or bodies: European Commission (7th Framework)
Start date: 2011
Total amount: 1.626.952 €

Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- 1** Couce, A; Tenaillon, O. The role of mutational spectrum in the selection against mutator bacteria. bioRxiv. 2019.
Type of production: Scientific paper
Corresponding author: Yes
- 2** Ibacache-Quiroga, C; Oliveros, JC; Couce, A; Blázquez, J. Parallel evolution of high-level aminoglycoside resistance in Escherichia coli under low and high mutation supply rates. Frontiers in Microbiology. 9 - 427, 2018.
Type of production: Scientific paper
Corresponding author: No
- 3** Kemble, HE; Eisenhauer, C; Couce, A; Chapron, A; Magnan, M; Gautier, G; Le Nagard, H; Nghe, P; Tenaillon, O. The molecular basis of genetic interaction diversity in a metabolic pathway. bioRxiv. 2018.
Type of production: Scientific paper
Corresponding author: No



- 4** Couce, A; iraphong-Caudwell, L; Feinauer, C; Hindré, T; Feugeas, JP; Weigt, M; Lenski, RE; Schneider, D; Tenaillon, O. Mutator genomes decay, despite sustained fitness gains, in a long-term experiment with bacteria. *Proceedings of the National Academy of Sciences USA*. 114 - 43, pp. E9026 - E9035. 2017.
Type of production: Scientific paper
Corresponding author: No
- 5** Alejandro Couce; Alexandro Rodríguez Rojas; Jesús Blázquez. Determinants of Genetic Diversity of Spontaneous Drug Resistance in Bacteria. *Genetics*. 203 - 3, pp. 1369 - 1380. 2016. ISSN 1943-2631
Type of production: Scientific paper
Corresponding author: Yes
- 6** A Couce; N Alonso Rodriguez; C Costas; A Oliver; J Blázquez. Intrapopulation variability in mutator prevalence among urinary tract infection isolates of *Escherichia coli*. *Clinical Microbiology and Infection*. 22 - 6, pp. 566.e1. 2016. ISSN 1469-0691
Type of production: Scientific paper
Corresponding author: Yes
- 7** Alejandro Couce; Alexandro Rodríguez Rojas; Jesús Blázquez. Bypass of genetic constraints during mutator evolution to antibiotic resistance. *Proceedings of the Royal Society B*. 282 - 1804, pp. 20142698. 2015. ISSN 1471-2954
Type of production: Scientific paper
Corresponding author: Yes
- 8** Alejandro Couce; Olivier A Tenaillon. The rule of declining adaptability in microbial evolution experiments. *Frontiers in Genetics*. 6, pp. 99. (Switzerland): 2015.
Type of production: Scientific paper
Corresponding author: Yes
- 9** Alexandro Rodríguez Rojas; Jerónimo Rodríguez Beltrán; Alejandro Couce; Jesús Blázquez. Antibiotics and antibiotic resistance: a bitter fight against evolution. *International Journal of Medical Microbiology*. 303 - 6-7, pp. 293 - 297. (Germany): 2013. ISSN 1618-0607
Type of production: Scientific paper
Corresponding author: No
- 10** Alejandro Couce; Javier R Guelfo; Jesús Blázquez. Mutational spectrum drives the rise of mutator bacteria. *PLoS Genetics*. 9 - 1, pp. e1003167. 2013. ISSN 1553-7404
Type of production: Scientific paper
Corresponding author: Yes
- 11** Jesús Blázquez; Alejandro Couce; Jerónimo Rodríguez Beltrán; Alexandro Rodríguez Rojas. Antimicrobials as promoters of genetic variation. *Current Opinion in Microbiology*. 15 - 5, pp. 561 - 569. 2012. ISSN 1879-0364
Type of production: Scientific paper
Corresponding author: No
- 12** Alejandro Couce; Alejandra Briales; Alexandro Rodríguez Rojas; Coloma Costas; Alvaro Pascual; Jesús Blázquez. Genomewide overexpression screen for fosfomycin resistance in *Escherichia coli*: MurA confers clinical resistance at low fitness cost. *Antimicrobial Agents and Chemotherapy*. 56 - 5, pp. 2767 - 2769. 2012. ISSN 1098-6596
Type of production: Scientific paper
Corresponding author: No



- 13** Jerónimo Rodríguez Beltrán; Alexandro Rodríguez Rojas; Javier R Guelfo; Alejandro Couce; Jesús Blázquez. The Escherichia coli SOS gene dinF protects against oxidative stress and bile salts. PloS One. 7 - 4, pp. e34791. 2012. ISSN 1932-6203
Type of production: Scientific paper
Corresponding author: No
- 14** Thuy Do Thi; Elena López; Alexandro Rodríguez Rojas; Jerónimo Rodríguez Beltrán; Alejandro Couce; Javier R Guelfo; Alfredo Castañeda García; Jesús Blázquez. Effect of recA inactivation on mutagenesis of Escherichia coli exposed to sublethal concentrations of antimicrobials. The Journal of Antimicrobial Chemotherapy. 66 - 3, pp. 531 - 538. 2011. ISSN 1460-2091
Type of production: Scientific paper
Corresponding author: No
- 15** Alejandro Couce; Jesús Blázquez. Estimating mutation rates in low-replication experiments. Mutation Research: Fundamental and Molecular Mechanisms of Mutagenesis. 714 - 1-2, pp. 26 - 32. 2011. ISSN 0027-5107
Type of production: Scientific paper
Corresponding author: Yes
- 16** Alexandro Rodríguez Rojas; María D Maciá; Alejandro Couce; Cristina Gómez; Alfredo Castañeda García; Antonio Oliver; Jesús Blázquez. Assessing the emergence of resistance: the absence of biological cost in vivo may compromise fosfomycin treatments for P. aeruginosa infections. PloS One. 5 - 4, pp. e10193. 2010. ISSN 1932-6203
Type of production: Scientific paper
Corresponding author: No
- 17** Alexandro Rodríguez Rojas; Alejandro Couce; Jesús Blázquez. Frequency of spontaneous resistance to fosfomycin combined with different antibiotics in Pseudomonas aeruginosa. Antimicrobial Agents and Chemotherapy. 54 - 11, pp. 4948 - 4949. 2010. ISSN 1098-6596
Type of production: Scientific paper
Corresponding author: No
- 18** Alejandro Couce; Jesús Blázquez. Side effects of antibiotics on genetic variability. FEMS Microbiology Reviews. 33 - 3, pp. 531 - 538. 2009. ISSN 1574-6976
Type of production: Scientific paper
Corresponding author: No

Works submitted to national or international conferences

- 1** **Title of the work:** Historical contingency shapes genome-wide diversity after antibiotic-driven bottlenecks
Name of the conference: Society of Molecular Biology & Evolution Annual Meeting 2018
City of event: Yokohama, Japan
Date of event: 07/2018
Organising entity: Society of Molecular Biology & Evolution
- 2** **Title of the work:** Mutator genomes decay despite sustained fitness gains in a long-term experiment with bacteria
Name of the conference: VIII International Young Investigator Meeting 2017
City of event: A Coruña, Spain
Date of event: 12/2017
Organising entity: Museo Nacional de Ciencia y Tecnología, Instituto de Investigación Biomédica de A Coruña y Universidad de A Coruña



- 3** **Title of the work:** Probing the determinants of fitness effects using transposon insertion sequencing in bacteria
Name of the conference: Society of Molecular Biology & Evolution Annual Meeting 2017
City of event: Austin, United States of America
Date of event: 07/2017
Organising entity: Society of Molecular Biology & Evolution
- 4** **Title of the work:** Historical contingency drives genome-wide diversity after a drug-induced bottleneck
Name of the conference: 2nd ASM Conference on Experimental Microbial Evolution
City of event: Washington, United States of America
Date of event: 08/2016
Organising entity: American Society for Microbiology
Type of entity: Associations and Groups
- 5** **Title of the work:** Predicting genetic diversity after a drug-induced bottleneck
Name of the conference: Lake Como School of Advanced Studies: Quantitative Laws II
City of event: Como, Italy
Date of event: 06/2016
Organising entity: Fondazione Alessandro Volta
Type of entity: Associations and Groups
- 6** **Title of the work:** Recurrent soft sweeps of antibiotic resistance during bacterial adaptation to high temperature
Name of the conference: Evolutionary Systems Biology: From Model Organisms to Human Disease
City of event: Cambridge, United Kingdom
Date of event: 03/2016
Organising entity: Wellcome Genome Campus
- 7** **Title of the work:** High-resolution monitoring of evolutionary dynamics
Name of the conference: SFB 680 Conference "Forecasting evolution"
City of event: Lisbon, Portugal
Date of event: 06/2015
Organising entity: Gulbenkian Foundation
Type of entity: Associations and Groups
- 8** **Title of the work:** The consequences of mutational spectrum on the evolution of bacterial mutators
Name of the conference: 566th WE-Heraeus-Seminar
City of event: Bad Honnef, Germany
Date of event: 06/2014
Organising entity: Wilhelm and Else Heraeus Foundation
- 9** **Title of the work:** Is there a unique optimal mutation rate in asexuals?
Name of the conference: 10th Analytical Genetics Meeting
City of event: Carmona, Spain
Date of event: 10/2011
Organising entity: Universidad Internacional de Andalucía
Type of entity: University
- 10** **Title of the work:** Is there a unique optimal mutation rate in asexuals?
Name of the conference: Mathematics of Microbes: Biological Details of the Evolving Cell
City of event: London,
Date of event: 04/2011



Organising entity: EPSRC-MMEMS

11 Title of the work: A mutation rate switch may be selectable

Name of the conference: 3rd Microbial Genome Maintenance Meeting: Transformation and DNA repair

City of event: Oslo, Norway

Date of event: 08/2008

Organising entity: Oslo University Hospital,
Rikshospitalet

Type of entity: University

Other dissemination activities

1 Title of the work: Not-for-profit science consultant

Name of the event: Burque al Cubo

Date of event: 2016

Organising entity: Cadena Ser

2 Title of the work: Pedagogic on-line material for Biology and Chemistry students

Name of the event: Wikillerato, an online encyclopaedia for high-school students

Date of event: 2007

Organising entity: Fundación Telefónica & 2mdc

3 Title of the work: "Comiendo genes"

Name of the event: Conference for the general public

City of event: A Coruña,

Date of event: 09/03/2006

Organising entity: Professional Association of Industrial Engineers of A Coruña

R&D management and participation in scientific committees

Organization of R&D activities

Title of the activity: The causes of parallel evolution

Type of activity: Symposium

Convening entity: Society for Molecular Biology and Evolution

City convening entity: Manchester, United Kingdom

Start date: 2019

Evaluation and revision of R&D projects and articles

1 Performed tasks: Reviewer

Entity where activity was carried out: Heredity

Start date: 2018

2 Performed tasks: Reviewer

Entity where activity was carried out: Molecular Biology and Evolution

Start date: 2018



- 3** **Performed tasks:** Reviewer
Entity where activity was carried out: mBio
Start date: 2018
- 4** **Performed tasks:** Reviewer
Entity where activity was carried out: Science Advances
Start date: 2017
- 5** **Performed tasks:** Reviewer
Entity where activity was carried out: Genetica
Start date: 2016
- 6** **Performed tasks:** Reviewer
Entity where activity was carried out: Molecular Biology and Evolution
Start date: 2016
- 7** **Performed tasks:** Reviewer
Entity where activity was carried out: Journal of Theoretical Biology
Start date: 2015
- 8** **Performed tasks:** Reviewer
Entity where activity was carried out: PLoS Genetics
Start date: 2014
- 9** **Performed tasks:** Reviewer
Entity where activity was carried out: PLoS One
Start date: 2013

Other achievements

Stays in public or private R&D centres

- 1** **Entity:** Spanish National Centre for Biotechnology
Start-End date: 01/10/2017 - 01/12/2017
Goals of the stay: Post-doctoral
- 2** **Entity:** University of Oslo
Faculty, institute or centre: Centre for Ecological and Evolutionary Synthesis
City of entity: Oslo, Norway
Start-End date: 30/07/2010 - 30/09/2010
Goals of the stay: Doctorate



Obtained grants and scholarships

- 1** **Name of the grant:** FEBS Short-Term Fellowship
Aims: Visiting Fellow
Awarding entity: Federation of European Biochemical Societies
Conferral date: 2017
Entity where activity was carried out: Spanish National Centre for Biotechnology
- 2** **Name of the grant:** Marie Skłodowska-Curie Individual Fellowship
Aims: Post-doctoral
Awarding entity: European Research Council (Horizon 2020)
Conferral date: 2017
Entity where activity was carried out: Imperial College London
- 3** **Name of the grant:** Young Investigator Travel Grant
Aims: present a communication
Awarding entity: Society of Molecular Biology & Evolution
Conferral date: 2017
Entity where activity was carried out: Society of Molecular Biology & Evolution Annual Meeting 2017
- 4** **Name of the grant:** Young Investigator Travel Grant
Aims: present a communication
Awarding entity: American Society for Microbiology
Conferral date: 2016
Entity where activity was carried out: 2nd ASM Conference on Experimental Microbial Evolution
- 5** **Name of the grant:** UCM-EEA ABEL Visiting Researchers
Aims: Pre-doctoral
Awarding entity: EEA and Norway Grants
Conferral date: 2010
Entity where activity was carried out: Centre for Ecological and Evolutionary Synthesis at University of Oslo
- 6** **Name of the grant:** Ayudas Predoctorales de Formación en Investigación en Salud (FI05/00569)
Aims: Pre-doctoral
Awarding entity: Instituto de Salud Carlos III **Type of entity:** Public Research Body
Conferral date: 2006
Entity where activity was carried out: Centro Nacional de Biotecnología

Scientific societies and professional associations

- 1** **Name of the society:** European Society of Clinical Microbiology and Infectious Diseases
Start date: 2017
- 2** **Name of the society:** Society for Molecular Biology and Evolution
Start date: 2017



3 **Name of the society:** Spanish Society for Biochemistry and Molecular Biology
Start date: 2017

4 **Name of the society:** American Society for Microbiology
Start date: 2016

Prizes, mentions and distinctions

Description: Best Professional Trajectory Award

Awarding entity: Museo Nacional de Ciencia y Tecnología, Instituto de Investigación Biomédica de A Coruña y Universidad de A Coruña

Conferral date: 2017

Summary of other achievements

1 **Description of the achievement:** Invited speaker to the Junior Workshop Frontiers in Plant Biology
Accrediting entity: Centre for Plant Biotechnology and Genomics (UPM-INIA)
City accrediting entity: Madrid,
Conferral date: 30/01/2018

2 **Description of the achievement:** Invited participant at the conference Jacques Monod "Coalescence des approches théoriques et expérimentales en génomique évolutive et biologie des systèmes"
Accrediting entity: Centre National de la Recherche Scientifique
City accrediting entity: Roscoff, France
Conferral date: 10/2016

3 **Description of the achievement:** Invited participant at the workshop "Ideas that keep us awake"
Accrediting entity: École Normale Supérieure (Paris)
Conferral date: 05/2016

4 **Description of the achievement:** Invited participant at the workshop "Experimental Evolution: Theory and Current Practices"
Accrediting entity: Institut de Biologie de l'École Normale Supérieure (Paris)
Conferral date: 11/2015

5 **Description of the achievement:** Invited participant at the Workshop "Empirism and Theory in Ecology and Evolution"
Accrediting entity: Centre National de la Recherche Scientifique (Gif-sur-Yvette)
Conferral date: 09/2015

6 **Description of the achievement:** Invited speaker at Faculté de Médecine Xavier Bichat (Paris)
Accrediting entity: Faculté de Médecine Xavier Bichat (Paris)
Conferral date: 05/2015

7 **Description of the achievement:** Invited speaker at Faculté de Médecine Cochin (Paris)
Accrediting entity: Faculté de Médecine Cochin (Paris)
Conferral date: 03/2015