

Hélène Morlon

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CNRS Research Director

TED Fellow

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EDUCATION AND PROFESSIONAL EXPERIENCE

Research Director, CNRS (DR1)

Institut de Biologie de l'Ecole Normale Supérieure, Jan 2014-present

HDR from the Ecole Normale Supérieure, December 2014

Research Scientist, CNRS, Centre de Mathématiques Appliquées, Ecole Polytechnique, Oct 2010-Jan 2014

Associate member, Center for Interdisciplinary Research in Biology, Collège de France, June 2011 – present

Postdoctoral Researcher, Ecology, 2005-2010

University of California, Berkeley (Potts Lab) 2009-2010

University of Pennsylvania, Philadelphia (Plotkin Lab), 2008 - 2009

University of Oregon, Eugene (Green Lab and Bohannan Lab), 2007-2008

University of California, Merced (Green Lab), 2005-2007

Ph.D., Environmental Sciences, 2001-2005

University of Bordeaux I, France

Dissertation Committee: Alain Boudou, Jacqueline Garnier-Laplace, Claude Fortin

Dissertation Title: “Uptake of selenite –Se(IV)- in the unicellular green algae *Chlamydomonas reinhardtii*. Bioaccumulation and effect induced on growth and ultrastructure.”

M.S., Ecology, June 2001

University of Paris VI – ENS Ulm, France

Dissertation Title: “A Model of sexual selection using adaptative dynamics:

Reversibility of the Fisher’s runaway”

B.S., Mathematics, June 2000

Ecole Normale Supérieure, Cachan, France

Agrégation in mathematics (nationwide competition for teaching positions at the university)

DISTINCTIONS

2024 Member of Academia Europaea

2022 Ambassador’s Chair, KU Leuven

2021 CNRS silver medal

2021 Nominated « Chevalier de l’ordre national du mérite »

2017 Irène Joliot Curie Price « Young Scientific Woman » from the National Academy of Sciences
2016 Nominated to join the AcademiaNet network of Outstanding Female Academics
2016 TED Fellow
2015 CNRS bronze medal

FUNDING

2024-2028 ANR (PI Bastien Boussau, € 175,000 for Morlon)
2022-2026 HORIZON 2021 BIOcean5D (€ 114,000 for Morlon)
2022-2025 ANR – PI Morlon (€ 350,000)
2022-2024 Labex Memolife (PI Morlon € 165,000, € 60,000 for Morlon)
2021-2023 IMPT, co-PI with Hélène Leman (€ 107,200)
2021-2022 GENCI computing hours
2021-2023 Marie-Curie IF (Morlon scientist in charge of grant to J. Barido-Sottani)
2021-2023 Alliance, co-PI with Jonathan Drury and Julien Clavel
2020-2023 Marie-Curie IF (Morlon scientist in charge of grant to O. Robles, co-PI C. Moritz)
2022 MOPGA research fellowship (Morlon scientist in charge of grant to R. Maestri)
2020-2022 Marie-Curie IF (Morlon scientist in charge of grant to I. Quintero)
2018-2021 Twinning grant (PI Anna Papadopoulou, € 999,320, € 225,093 for Morlon)
2018-2021 PSL program IRIS (PI Morlon, € 100,000)
2017-2018 Labex Memolife (PI Amaury Lambert, € 140,000)
2016-2020 ANR (PI Rodolphe Rougerie, € 495,097)
2015-2018 CESAB - PI Rodolphe Rougerie
2015-2016 PROCOPE, co-PI with Florian Hartig
2014-2020 ERC, Consolidator Grant – PI Morlon (€ 1,857,856)
2014-2016 Marie-Curie IEF (Morlon scientist in charge of grant to O. Missa)
2013-2016 ANR Blanc (PI Christopher Baralotto, € 600,000)
2013-2015 CEBA PI Jérôme Chave & Alain Franc (€ 300,000)
2013-2015 Marie-Curie IOF (Morlon scientist in charge of grant to P.H. Fabre, co-PI J. Losos)
2013-2016 ANR JCJC (PI Hervé Sauquet, € 250,000)
2012 France-Berkeley Fund (PI Morlon, co-PI Charles Marshall, € 10,000)
2012 Chaire Francaise dans l'Etat de Sao Paulo (Brésil) - PI Morlon (co-PI Tiago Quental)
2011-2015 ANR, Chaire d'Excellence - PI Morlon (€ 283,000)
2011-2015 CESAB - PI Christophe Thébaud
2008-2011 CNRS - PI Jérôme Chave (€ 167,000)
2007 MESR, Initiative post-doc (€ 5,000)
2002-2005 MESR PhD fellowship (declined)
2001 MESR Master fellowship

SUPERVISION

2024- Mathilde Scheifler (PhD, Sorbonne University), temporary research and teaching associate
2022-2024 Benoit Perez (PhD, PSL University), temporary research and teaching associate
2022 Renan Maestri (Assistant Professor, Rio Grande do Sul, Brazil), MOGPA fellow

2020-2024 Octavio Jimenez Robles (PhD, Madrid), Marie-Curie post-doctoral fellow
2021-2024 Joelle Barido-Sottani (PhD, ETH Zurich, Switzerland), Marie-Curie post-doctoral fellow
2020-2022 Ignacio Quintero (PhD, Yale University), Marie-Curie post-doctoral fellow
2014-2016 Olivier Missa (PhD, Free University of Brussels), Marie-Curie post-doctoral fellow
2013- 2014 Pierre Henri Fabre (PhD, Université de Montpellier), Marie-Curie post-doctoral fellow

2022-2024 Viktor Senderov (PhD, Bulgarian Academy of Sciences), post-doctoral researcher

2022-2023 Ignacio Quintero (PhD, Yale University), post-doctoral researcher

2021-2022 Benoit Perez (PhD, PSL University), post-doctoral researcher

2019-2022 Isaac Overcast (PhD, City College of New York), post-doctoral researcher

2019-2020 Ignacio Quintero (PhD, Yale University), post-doctoral researcher

2018-2020 Ana Catarina Silva (PhD, Lisbon University), post-doctoral researcher

2017-2020 Leandro Aristide (PhD, University of La Plata), post-doctoral researcher

2017-2020 Guilhem Sommeria (PhD, Université de Toulouse), post-doctoral researcher

2018-2020 Odile Maliet (PhD, Ecole Normale Supérieure), post-doctoral researcher

2018-2020 Carmelo Fruciano (PhD, University of Catania), post-doctoral researcher

2016-2018 Olivier Missa (PhD, Free University of Brussels), post-doctoral researcher

2014-2018 Julien Clavel (PhD, Université de Lyon), post-doctoral researcher

2014-2018 Eric Lewitus (PhD, University College London), post-doctoral researcher

2016-2017 Renske Gudde (PhD, University of Reading), post-doctoral researcher

2014-2016 Jonathan Drury (PhD, UCLA), post-doctoral researcher

2012-2014 Daniel Moen (PhD, Stony Brook University), post-doctoral researcher

2012-2014 Fabien Condamine (PhD, Université de Montpellier), post-doctoral researcher

2024- Rosario Miranda, graduate student in biology at the ENS (co-director Ben Warren)

2024- Amélie Leroy, graduate student at Sorbonne University (director Laurent Jacob)

2023- Nils Chabrol, graduate student at the Université de Lyon (director Julien Clavel)

2023- Paola Montoya, graduate student at the Université de Lyon (director Julien Clavel)

2022- Pierre Véron, graduate student in biology at the ENS (co-director Tatiana Giraud)

2022- Jérémy Andréoletti, graduate student in biology at the ENS

2018-2022 Sophia Lambert, graduate student in biology at the ENS

2020-2021 Jakub Voznica, graduate student in biology at Pasteur (co-director Anna Zhukova)

2018-2021 Benoit Perez, graduate student in biology at the ENS (co-director MA Sélosse)

2015-2018 Odile Maliet, graduate student in biology at the ENS (co-director Nicolas Loeuille)

2014-2018 Marc Manceau, graduate student in biology at the ENS (co-director Amaury Lambert)

2013-2017 Guilhem Sommeria, graduate student (director Jérôme Chave)

2014-2015 Brian Maitner, graduate student at the University of Arizona

2013-2016 Luna Sanchez Reyes, graduate student at the University of Mexico

2013-2015 Jana Smrckova, graduate student at the University of South Bohemia

2012-2016 Hannah Salim, Chateaubriand fellow (graduate student at Berkeley)

2011-2014 Jonathan Rolland, graduate student in biology

2024 Rosario Miranda, master student in Biology, Erasmus Mundus

2024 Anais Spire, master student in Biology, iMaliS

2023 Abdelmajid Omarjee, master student in Biology, EvoGem

2023 Caitlyn Jean-Baptiste, master student in Biology, EvoGem

2022 Lucas Buffon, master student in Biology, ENS Lyon

2022 Nils Chabrol, master student in Geology, ENS Lyon

2022 Mattia Tarabolo, master student in Physics of Complex Systems, Politecnico di Torino

2021 Jérémy Andréoletti, master student in Biology, Ecole Normale Supérieure

2021 Thomas Merrien, master student in Biology, AgroParisTech

2020 Benoit Pichon, master student in Biology, AgroParisTech

2020 Nathan Gil, master student in Biology, U Montpellier

2019 Clio Dalmaz, master student in Biology, Center for Interdisciplinary Research

2018 Margaux Bieuville, master student in Biology, Erasmus Mundus

2018 Sophia Lambert, master student in Biology, Center for Interdisciplinary Research
2017 Benoit Perez, master student in Biology, Ecole Normale Supérieure
2016 Cesar Martinez, master student in Biology, AgroParisTech
2016 Linh-Phuong Nguyen, master student in Biology, Ecole Normale Supérieure
2015 Olivier Billaud, master student in Biology, AgroParisTech
2013 Mircea Sofonea, master student in Biology, Ecole Normale Supérieure
2013 Victoria Culshaw, master student in Statistics & Biology, University of St-Andrews
2012 Elizabeth Reyes, master student in Biology, Université Paris-Sud
2012 Prince Peprah, master student in Mathematics, Ecole Polytechnique
2012 Yacine Ben Chehida, master student in Biology, Université Pierre et Marie Curie
2011 Marc Manceau, master student in Biology, Ecole Normale Supérieure

2023 Baptiste Morillon, L3 student in Biology, Ecole Normale Supérieure
2023 Alya Campedel, L3 student in Biology, Ecole Normale Supérieure
2023 Alice Garcia, L2 student in Environmental Sciences, Paris Sciences & Lettres
2022 Titouan Chambre, L2 student in Maths & Biology, Orsay
2021 Gabriel Sagot, L3 student in Biology, Ecole Normale Supérieure
2020 Loréna Duret, L3 student in Biology, Ecole Normale Supérieure
2020 Philippine Dubertrand, L3 student in Biology & Informatics, Université de Versailles
2019 Rémy Le Goff, L3 student in Biology, Ecole Normale Supérieure
2019 Nina Vittorelli, L3 student in Cognitive Sciences, Ecole Normale Supérieure
2017 Samuel Delbecq, L3 student in Biology, Ecole Normale Supérieure
2016 Camille Saade, L3 student in Biology, Ecole Normale Supérieure

TEACHING

2025 Training Program in Quantitative Ecology, Petropolis, Brazil
2023- Community Ecology, ENS Paris
2022- Frontiers in Ecology & Evolution, ENS Lyon
2024 Advanced Biology Course in Phylodynamics, PSL Master in Life Sciences
2024 Phylogenomics workshop, Cesky Krumlov
2023 Chaire Modélisation Mathématique et Biodiversité
2022 EvoGEM, Master 2, Paris
2021-2023 Transmitting Science RPANDA online course
2019-2022 Computational Biology, Master 1, Ecole Normale Supérieure
2014- Tutoring of ENS students, Ecology & Evolutionary Biology
2020-2021 Biology of Ecological Systems, Master 1, Ecole Normale Supérieure
2021 Q-life Winter School “TARA”
2021 TED-Ed Lesson
2020 Autumn School “Ecological Models and Beyond”, Université Grenoble Alpes
2016-2020 Seminars for the Mathematics for Life Sciences Master 2 Program
2019-2020 Introductory Seminar, start of school year, ENS students
2015-2019 Project in Computational Biology, Ecole Normale Supérieure
2013-2017 Biology of Ecological Systems, Master 1, Ecole Normale Supérieure
2017 Mini-course in Mathematics in Biology, 9th Swedish Meeting, Vasteras
2016 Seminars for the Life Science program at the Ecole des Ponts
2014-2017 International PhD course, University of Copenhagen
2013-2015 Mathematics for Life Sciences, Master 2, Université Paris-Sud, Ecole Polytechnique, Ecole Normale Supérieure de Cachan
2012-2014 Advanced Teaching (EAs), Ecole Polytechnique

2012 Ecole thématique du CNRS – Do Son, Vietnam
2010 Ecole thématique du CNRS – Kourou, Guyane Française
2006-2012 Invited lectures at the University of Oregon, the University of California Berkeley, the Ecole Normale Supérieure, the Ecole Polytechnique, and the Museum of Natural History
2002-2005 Statistics for Biology, Master 1-2, Université de Bordeaux
2000-2001 Vacations, Université Panthéon-Sorbonne, Financial Mathematics, License, 2000-2001

EDITORIAL ACTIVITY

2024- Evolution (Handling Editor)
2014-2024 PloS Biology (Associate Editor)
2012-2021 Ecology Letters (Associate Editor)
2020 Proceedings of the National Academy of Sciences (Guest Editor)
2011-2013 Systematic Biology (Editorial Board)

REVIEWER

Nature, Science, Proceedings of the National Academy of Sciences, Nature Ecology and Evolution, PloS Biology, Science Advances, Molecular Biology and Evolution, Ecology Letters, Systematic Biology, New Phytologist, Nature Communications, Communications Biology, American Naturalist, Proceedings of the Royal Society B, Philosophical Transactions B, Ecology, Evolution, Methods in Ecology and Evolution, Journal of Theoretical Biology, Journal of Evolutionary Biology, Oikos, Theoretical Ecology, Journal of Biogeography, Global Ecology and Biogeography, Microbial Ecology, PLOS One, Population Ecology, Journal of Vegetation Science.

The European Research Council (Starting & Consolidator grants), The National Science Foundation, the Agence Nationale de la Recherche, the Natural Environment Research Council, the Moore Foundation, the Wallenberg Academy Fellows program, the Swedish National Research Council.

Scientific expert for the AERES/ HCERES (French Evaluation Agency for Research and Higher Education) (2014, 2019)

Promotion review for the University of Michigan (2017, 2021) and the Australian National University (2022).

Scientific Advisory Board of the Heidelberg Institute for Theoretical Studies (2020)

Scientific expert for the *For Women in Science* program, L'Oreal-Unesco (2022)

Scientific expert for the young researcher price in Biodiversity & Evolution, Collège de France (2022)

SCIENTIFIC COMMITTEE & RESPONSABILITIES

Ongoing

2025- ERC Synergy, panel evaluator
2024- ERC Starting Grant, LS8, panel member
2023- Member of the scientific committee of the PEPR Math-VivES
2022- Head of the Ecology & Evolutionary Biology section at IBENS
2021- Executive Board Member of the TARA Oceans Consortium

2020- Deputy Chair for the ENS of the Research Federation FR2022 Tara Oceans GOSEE
2020-2024 QBio Project
2020-2024 Labex Memolife
2021 JOBIM program committee

Past

2019-2022 Center for Synthesis and Analysis of Biodiversity (CESAB)
2016-2021 CNRS section committee 29 “Biodiversity, evolution and biological adaptation”
2019-2020 Neptune Database (NSB)
2016-2018 CNRS GDR “Biodiversity Theory and Modeling”
2020- Qlife Winter School
2016 Biodiversity Research Agency of the Reunion Island
2016 Chief International Partnerships Officer of OneZoom
2015 Mathematical Models in Ecology & Evolution
2014-2017 Chaire Modélisation Mathématiques et Biodiversité
2013-2016 CNRS interdisciplinary section committee (CID 51)
2013- IBS National Representative for France
2013- CNRS GDR “Statistical Ecology”
2012- Statistical Methods for Post Genomic Data (SMPGD)

SOFTWARE DEVELOPMENT

R developer, RPANDA package (Phylogenetic ANalyses of DiversificAtion).

R developer, PICANTE package (Phylocom Integration, Community Analyses, Null models, Traits and Evolution in R). Collaboration with Steve Kembel.

PUBLICATIONS

Silva, A., Maliet, O., Aristide, L., Nogués-Bravo, D., Upham, N., Jetz, W., **Morlon, H.** (2025) Negative global-scale association between genetic diversity and speciation rates in mammals. *Nature Communications* 16, 1796

Veron, P., Andréoletti, J., Giraud, T., & **Morlon, H.** (2025) Speciation completion rates have limited impact on macroevolutionary diversification. *Philosophical Transactions of the Royal Society B* 380: 20230317

Quintero, I., Lartillot, N., **Morlon, H.** (2024) Imbalanced speciation pulses sustain the radiation of mammals *Science* 384: 1007-1012

Maestri, R., Perez-Lamarque, B., Zhukova, A., **Morlon, H.** (2024) Recent evolutionary origin and localized diversity hotspots of mammalian coronaviruses *eLife* 13: RP91745

Pichon, B., Le Goff, R., Morlon, H., Perez-Lamarque, B. (2024) Telling mutualistic and antagonistic ecological networks apart by learning their multiscale structure *Methods in Ecology & Evolution* 15: 1113-1128

Perez-Lamarque, B., Morlon, H. (2024) Distinguishing cophylogenetic signal from phylogenetic congruence clarifies the interplay between evolutionary history and species interactions *Systematic Biology* syae013

Morlon, H., Andréoletti, J., Barido-Sottani, J., Lambert, S., Perez-Lamarque, B., Quintero, I., Senderov, V., Veron, P. (2024) Phylogenetic insights into diversification. *Annual Review of Ecology, Evolution and Systematics* 55: 1-21

Barreto, E., Boehm M.M.A., Ogutcen, E., Abrahamczyk, S., Kessler, M., Bascompte, J., Dellinger, A.S., Bello, C., Dehling, D.M., Duchenne, F., Kaehler, M., Lagomarsino, L.P., Lohmann, L.G., Maglianesi, M.A., **Morlon, H.**, Muchhala, N., Ornelas, J.F., Perret, M., Salinas, N.R., Smith, S.D., Vamosi, J.C., Varassin, I.G., Graham, C.H. (2024) Macroevolution of the plant–hummingbird pollination system *Biological Reviews* 99: 1831-1847

Luiselli, J., Overcast, I., Rominger, A., Ruffley, M., Morlon, H., Rosindell, J. (2024) Detecting the ecological footprint of selection *PloS One* 19: e0302794

Drury, J.P., Clavel, J., Tobias, J.A., Rolland, J., Sheard, C., Morlon, H. (2024) Limited ecological opportunity influences the tempo of morphological evolution in birds *Current Biology* 34: 661-669

Andreoletti, J., Morlon, H. (2023) Exploring congruent diversification histories with flexibility and parsimony *Methods in Ecology & Evolution* 12: 2931-2941

Mazet, N., **Morlon, H.**, Fabre, P.H, Condamine, F. (2023) Estimating clade-specific diversification rates and palaeodiversity dynamics from reconstructed phylogenies *Methods in Ecology & Evolution* 10: 2575-2591

Lambert, S., Voznica, J., Morlon, H. (2023) Deep Learning from Phylogenies for Diversification Analyses *Systematic Biology* 72: 1262-1279.

Perez-Lamarque, B., Sommeria-Klein, G., Duret, L., Morlon, H. (2023) Phylogenetic comparative approach reveals evolutionary conservatism, ancestral composition, and integration of vertebrate gut microbiota *Molecular Biology and Evolution* 40: msad144

Quintero, I., Landis, M., Jetz, W., Morlon, H. (2023) The build-up of the present-day tropical diversity of tetrapods *Proceedings of the National Academy of Sciences* 120: e2220672120

Barido-Sottani, J., Morlon, H. (2023) The ClaDS rate-heterogeneous birth-death prior for full phylogenetic inference in BEAST2 *Systematic Biology* syad027

Overcast, I., Nogueras, V., Meramveliotakis, E., Andújar, C., Arribas, P., Creedy, T.J., Emerson, B.C., Vogler, A.P., Papadopoulou, A., Morlon, H. (2023) Inferring the ecological and evolutionary determinants of community genetic diversity *Molecular Ecology* 32: 6093-6109

Perez-Lamarque, B., Morlon, H. (2023) Comparing different computational approaches for detecting long-term vertical transmission in host-associated microbiota *Molecular Ecology* 23: 6671-6685

Overcast, I., Achaz, G., Aguilée, R. Andujar, C., Arribas, P., Creedy, T.J., Economo, E.P., Etienne, R.S., Gillespie, R., Jacquet, C., Jay, F., Kennedy, S., Krehenwinkel, H., Lambert, A., Meramveliotakis, E., Nogueras, V., **Perez-Lamarque, B., Roderick, G., Rogers, H., Ruffley, M., Sanmartin, I., Vogler, A.P.,**

Papadopoulou, A., Emerson, B.C, **Morlon H.** (2023) Towards a genetic theory of island biogeography: Inferring processes from multidimensional community-scale data *Global Ecology and Biogeography* 32: 4-23

Emerson, B.C., Borges, P., Cardoso, P., Convey, P., deWaard, J., Economo, E., Gillespie, R., Kennedy, S., Krehenwinkel, H., Meier, R., Roderick, G., Strasberg, D., Thébaud, C., Traveset, A., Creedy, T., Meramveliotakis, E., Noguerales, V., **Overcast, I., Morlon, H.**, Papadopoulou, A., Vogler, A., Arribas, P., Andujar, C. (2022) Collective and harmonised high throughput barcoding of insular arthropod biodiversity: toward a Genomic Observatories Network for islands *Molecular Ecology* 23: 6161-6176

Perez-Lamarque, B., Maliet, O., Pichon, B., Selosse, M. A., Martos, F., & **Morlon, H.** (2022). Do closely related species interact with similar partners? Testing for phylogenetic signal in bipartite interaction networks. *PCI Evolutionary Biology* 2.

Tara Ocean Foundation, **Tara Oceans**, European Molecular Biology Laboratory, European Marine Biological Resource Centre - European Research Infrastructure Consortium (2022) Priorities for ocean microbiome research *Nature Microbiology* 7: 937–947

Perez-Lamarque, B., Petrolli, R., Strullu-Derrien, C., Strasberg, D., **Morlon, H.,** Selosse, M.A., Martos, F. (2022) Structure and specialization of mycorrhizal networks in phylogenetically diverse tropical communities *Environmental Microbiome* 17: 38

Perez-Lamarque, B., Öpik, M., **Maliet, O., Afonso Silva, A.C.,** Selosse, M.A., Martos, F., **Morlon, H.** (2022) Analyzing diversification dynamics using barcoding data: the case of an obligate mycorrhizal symbiont *Molecular Ecology* 31: 3496-3512

Morlon, H., Robin, S., Hartig, F. (2022) Studying speciation and extinction dynamics from phylogenies: addressing identifiability issues *Trends in Ecology and Evolution* 37: 497-506

Arribas, P., Andújar, C., Bohmann, K., deWaard, J.R., Economo, E.P., Elbrecht, V., Geisen, S., Goberna, M., Krehenwinkel, H., Novotny, V., Zinger, L., Creedy, T.J., Meramveliotakis, E., Noguerales, **Overcast, I., Morlon, H.,** Papadopoulou, A., Vogler, A.P., Emerson, B.C. (2022) Toward global integration of biodiversity big data: a harmonised metabarcode data generation module for terrestrial arthropods *GigaScience* 11: giac065

Perez-Lamarque, B., Krehenwinkel, H., Gillespie, R., **Morlon, H.** (2022) Limited evidence for microbial transmission in the phyllosymbiosis between Hawaiian spiders and their microbiota *mSystems*, 7(1) e01104-21

Maliet, O., Morlon, H. (2022). Fast and accurate estimation of species-specific diversification rates using data augmentation. *Systematic Biology* 71: 353-366

Sommeria-Klein, G., Watteaux, R., Ibarbalz, F.M., Pierella Karlusich, J.J.; Iudicone, D.; Bowler, C., **Morlon, H.** (2021) Global drivers of eukaryotic plankton biogeography in the sunlit ocean *Science* 374: 594-599

Noguerales, V., Meramveliotakis, E., Castro-Insua, A., Andujar, C., Arribas, P., Creedy, T., **Overcast, I., Morlon, H.,** Emerson, B., Vogler, A., Papadopoulou, A. (2021) Community metabarcoding reveals the relative role of environmental filtering and dispersal in metacommunity dynamics of soil microarthropods across a mosaic of montane forests *Molecular Ecology* 23: 6110-6128

Creedy, T., Andujar, C., Meramveliotakis, E., Nogueras, V., **Overcast, I.**, Papadopoulou, A., **Morlon, H.**, Vogler, A., Emerson, B., Arribas, P. (2021) Coming of age for COI metabarcoding of whole organism community DNA: towards bioinformatic harmonization *Molecular Ecology Resources* 22: 847-861

Drury, J., Clavel, J., Tobias, J. A., Rolland, J., Sheard, C., **Morlon, H.** (2021). Tempo and mode of morphological evolution are decoupled from latitude in birds. *PloS Biology* 19(8): e3001270

Arribas, P., Andújar, C., Bidartondo, M. I., Bohmann, K., Coissac, E., Creer, S., deWaard, J.R., Elbrecht, V., Francesco G., Marta Goberna, F., Kennedy, S., Krehenwinkel, H., Leese, F., Novotny, V., Fredrik Ronquist, F., Yu, D.W., Zinger, L., Creedy, T.J., Meramveliotakis, E., Nogueras, V., **Overcast, I., Morlon, H.**, Vogler, A.P., Papadopoulou, A., Emerson, B.C. (2021) Connecting high-throughput biodiversity inventories – opportunities for a site-based genomic framework for global integration and synthesis *Molecular Ecology* 30:1120–1135

Dorrell, R.G., Villain, A., **Perez-Lamarque, B.**, . . . , **Morlon, H.**, Bowler, C., Blanc, G. (2021) Phylogenomic fingerprinting of tempo and functions of horizontal gene transfer within ochrophytes *Proceedings of the National Academy of Sciences* 118: e2009974118

Morlon, H. (2020) Diversity hotspots: Coldspots of speciation? *Science* (Perspective) 370: 1268-1269

Manceau, M., Marin, J., **Morlon, H.**, Lambert, A. (2020) Model-based inference of punctuated molecular evolution *Molecular Biology and Evolution* 37: 3308–3323

Maliet, O., Loeuille, N., **Morlon, H.** (2020) An individual-based model for the eco-evolutionary emergence of bipartite interaction networks *Ecology Letters* 11: 1623-1634

Clavel, J., Morlon, H. (2020) Reliable phylogenetic regressions for multivariate comparative data: illustration with the MANOVA and application to the effect of diet on mandible morphology in phyllostomid bats *Systematic Biology* 69: 927–943

Morlon, H., Rolland, J., Condamine, F. (2020) Response to Technical Comment ‘A cautionary note for users of linear diversification dependencies’ *Ecology Letters* 7:1172-1174

Perez-Lamarque, B., Selosse, M. A., Öpik, M., **Morlon, H.**, & Martos, F. (2020). Cheating in arbuscular mycorrhizal mutualism: a network and phylogenetic analysis of mycoheterotrophy *New Phytologist* 226: 1822-1835

Lewitus, E., Aristide, L., Morlon, H. (2019) Characterizing and Comparing Phylogenetic Trait Data from Their Normalized Laplacian Spectrum *Systematic Biology* 69: 234–248

Billaud, O., Moen, D. S., Parsons, T. L., **Morlon, H.** (2019) Estimating Diversity Through Time using Molecular Phylogenies: Old and Species-Poor Frog Families are the Remnants of a Diverse Past *Systematic Biology* 69: 363–383

Aristide, L., Morlon, H. (2019) Understanding the effect of competition during evolutionary radiations: an integrated model of phenotypic and species diversification *Ecology Letters* 22: 2006-2017

- Condamine, F.L., Rolland, J., Morlon, H.** (2019) Assessing the causes of diversification slowdowns: temperature-dependent and diversity-dependent models receive equivalent support *Ecology Letters* 22: 1900-1912
- Perez-Lamarque, B., Morlon, H.** (2019) Characterizing symbiont inheritance during host-microbiota evolution: application to the great apes gut microbiota *Molecular Ecology Resources* 19: 1659-1671
- Maliet, O., Hartig, F., Morlon, H.** (2019) A model with many small shifts for estimating species-specific diversification rates *Nature Ecology and Evolution* 3: 1086-1092
- Onstein, R. E., Kissling W.D., Chatrou, L.W., Couvreur, T.L.P., **Morlon, H.**, Sauquet, H. (2019) Which frugivory-related traits facilitated historical long-distance dispersal in the custard-apple family (Annonaceae)? *Journal of Biogeography* 46: 874-1888
- Clavel, J., Aristide, L., Morlon, H.** (2018) A penalized likelihood framework for high-dimensional phylogenetic comparative methods and an application to new-world monkeys brain evolution *Systematic Biology* 68: 93-116
- Lewitus, E., Bittner, L., Malviya, S., Bowler, C., Morlon, H.** (2018) Clade-specific diversification dynamics in marine diatoms since the Jurassic *Nature Ecology and Evolution* 2: 1715-1723
- Nogues-Bravo, D., Rodriguez-Sanchez, F., Orisini, L., de Boer, E., Jansson, R., **Morlon, H.**, Fordham, D., Jackson, S.T. (2018) Cracking the code of past biodiversity response to climate change *Trends in Ecology and Evolution* 30: 765-776
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Morlon, H. (2014) Understanding how biodiversity is distributed in space and time *in Formal Methods in Macro-Biology Lecture Notes in Computer Science* Volume 8738, pp 36-39

Books

Andréoletti, J. C, Morlon H. Comparing Extinction Rates: Past, Present and Future Encyclopedia of Biodiversity 3rd edition.

Jesus, C. Etonnant vivant, Découvertes et promesses du XXI^e siècle (2017) CNRS Editions

Alvarado, S., Baraloto, C., Bremond, L., Bretagnolle, F., Buisson, E., Caillon, S., Claudet, J., Dounias, E., Elias, M., Favier, C., Fontaine, C., Forget, P.M., Garine-Wichatitsky, E., Hossaert-McKey, M., Mavingui, P., McKey, D., **Morlon, H.**, Murienne, J., Poncy, O., Prugnotte, F. (2015). *Écologie tropicale: de l'ombre à la lumière*. Editions recherche midi

Blogs

Morlon, H. (2016) RPANDA: a time machine for evolutionary biologists. [Methods.blog](#)

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WORKSHOPS, SEMINARS AND CONFERENCES

Workshops

- Workshop on Lagrangian modelling, Naples, September 2024
- Workshop on Seascape Ecology, Venice, March 2024 (joined remotely)
- Summer school of the Chaire Mathématique et Biodiversité, Aussois, June 2023
- BIOcean5D Kick-off meeting, Heidelberg, Jan 2023
- *Ecology & Evolution of the microbiota*, organized by Hélène Morlon and Ellen Decaestecker, Kortrijk, Dec 2022
- EMBO Workshop on Adherent microbial communities: Quantitative approaches from single cell to natural ecosystem, Corsica, Oct 2022
- EMBO Workshop on Comparative genomics of unicellular eukaryotes: Interactions and symbioses, Spain, Sept 2022
- *Humming-bird coevolution workshop*, organized by Catherine Graham, Switzerland June 2022
- *Developing eco-evolutionary models for high-dimensional data analyses* organized by Hélène Morlon, Jonathan Drury and Julien Clavel (Paris) June 2022
- *TARA Retreat*, Nice, June 2022
- *Island biodiversity genomics workshop “Collective and harmonised HTS approaches to inventory arthropod on islands”* (Visio) July 2021
- *Developing eco-evolutionary models for high-dimensional data analyses* organized by Hélène Morlon, Jonathan Drury and Jonathan Clavel (Paris) July 2021
- *Ecological principles underlying ecosystem function on land and in the ocean* organized by Chris Bowler (Collège de France) May 2021
- *Island biodiversity genomics workshop “Protocol Unification”* (Visio) Nov 2020
- *Island biodiversity genomics workshop “Eco-Evolutionary Synthesis”* (Visio) Jun 2020
- *Island biodiversity genomics workshop “Genomic Observatories”* (Nicosia, Cyprus) Nov 2019
- *Island biodiversity genomics kickoff meeting* (Nicosia, Cyprus) Sept 2018

- *Phylogenomics and phylogeography: new models and insights from large scale data sets*, organized by Scott Edwards and Bengt Oxelman (Gothenburg, Sweden) May 2017
- *New Directions in Biodiversity Theory and Modelling*, organized by Michel Loreau, (Moulis) Oct 2015
- *CNRS Thematic School in Tropical Ecology*, organized by Pierre-Michel Forget (Gabon) Sept 2015
- *Identifying the regulators of biodiversity in deep time*, organized by Tiago Quental and Thomas Ezard, (Sao Paulo, Brazil) June 2015
- *Diversification & Bayesian statistics*, organized by F. Hartig and H. Morlon (Paris) March 2015
- *Innovations in biology, technology and culture*, organized by Pablo Marquet and Michael Hochberg, (Santiago, Chile) Jan 2015
- *New Directions in Biodiversity Theory and Modelling*, organized by Michel Loreau, (Moulis) Oct 2014
- *CESAB working group #4* “Community Assembly on Remote Islands: Does the Equilibrium Theory Apply?”, PI Christophe Thébaud, (Aix-en-Provence) March 2014
- *Statistical Ecology* working group, organized by Olivier Gimenez, (Montpellier) November 2013
- *France Berkeley Fund meeting* “Long-term diversity dynamics: reconciling molecular phylogenies with the fossil record”, organizer with Charles Marshall and Tiago Quental, (UC Berkeley) Sept 2013
- *CESAB working group #3* “Community Assembly on Remote Islands: Does the Equilibrium Theory Apply?”, PI Christophe Thébaud, (Aix-en-Provence) July 2013
- *NESCent meeting* "Integrating approaches to macroevolution: combining fossils and phylogenies", invited by Samantha Price, Lars Schmitz & Graham Slater (Durham, NC) April 2013
- *CNRS Workshop* "Ecology, Economy, Law", Modeling section, (Oléron) April 2013
- *CNRS Thematic School in Tropical Ecology*, Martine Hossaert (Vietnam) November 2012
- *INEE Prospective Days*, invited by Sonia Kefi, October 2012
- *Phylogenetic approaches to diversification*, co-organized with Amaury Lambert, October 2012
- *All Taxa Biodiversity Inventory (ATBI) workshop*, invited by Regis Ferriere, September 2012
- *CESAB working group #1* “Community Assembly on Remote Islands: Does the Equilibrium Theory Apply?”, PI Christophe Thébaud, September 2012
- *Selection in Population Genetics*, Michael Desai and Aleksandra Walczak (Ecole Normale Supérieure, Paris) December 2011
- *National Academies Keck Futures Initiative on Ecosystem Services* (UC Irvine) November 2011
- *CNRS Thematic School in Tropical Ecology*, Jérôme Chave (French Guyana) August 2011
- *Stochastic models in Ecology, Genetics and Evolution*, Sylvie Méléard (Agay, France) June 2011
- *Phylogeny and conservation*, Nicolas Mouquet (University of Montpellier, France) May 2011
- *Biodiversity Dynamics on Oceanic Islands – Linking past and present*, Rosemary Gillespie (UC Berkeley) December 2010
- *Amazonian Biodiversity*, Jérôme Chave (CNRS, French Guyana) October 2010
- *Biological diversity in a changing world*, Anne Magurran (Royal Society, Kavli, UK) October 2010
- *The Ecophylogeny of Complex Species Interactions*, Jennifer Dunne (SFI, Santa Fe) April 2010
- *Macroevolution of plant defenses*, Jérôme Chave (CNRS, French Guyana) March 2009
- *Biodiversity up-scaling*, Bill Kunin (Leeds, UK) February 2009
- *Tools and fresh approaches for species-abundance distributions* (NCEAS, Santa Barbara) October 2008
- *Tools and fresh approaches for species-abundance distributions* (NCEAS, Santa Barbara) October 2007

- *Metagenomics* (Moore Foundation, California) April 2007
- *Computational Biology* (UC Merced, California) 2006-2007

Seminars and conferences

- Gordon Research Conference on Polar Marine Science, Keynote Speaker, Italy, March 2025
- Mediterranean Institute of Oceanography, Marseille, March 2025
- GDR Lego, keynote speaker, Paris, December 2024
- QBio seminars, Paris, October 2024
- MMEE, keynote speaker, Vienna, July 2024
- Legend, keynote speaker, Heraklion, May 2024
- GDR OMER, keynote speaker, Paris, April 2024
- EverEvol, keynote speaker, Grenoble, October 2023
- MPDEE, keynote speaker, CIRM, Marseille, April 2023
- SMPGD, keynote speaker, Ghent, February 2023
- Conférence Legrain Pasteur, Paris, January 2023
- Ambassador's Chair Kulak symposium, Belgium, organizer with E. Decaestecker, Dec 2022
- Ambassador's Chair Kulak seminar series, Belgium (4 seminars in Oct and Nov 2022)
- 150th Anniversary of the Roscoff Marine Biological Station, Roscoff, October 2022
- JOBIM, keynote speaker, Rennes, July 2022
- Petit Pois Dérivé, keynote speaker, Lille, May 2022
- CEREGE, Aix-en-Provence, April 2022
- Gen2Bio, keynote speaker, La Baule, March 2022
- Collège de France, seminar of the “Chaire Biodiversité et Ecosystèmes”, March 2022
- ESEB Seminar, Network for the Integration of Speciation Research, online, March 2022
- QBio day, Paris, Nov 2021
- Day of Institute Directors, National Institute for Ecology & Evolution, Meudon, Oct 2021
- Environmental Genomics Symposium (Tours), Oct 2021
- Journée François Jacob 2021, Collège de France, Paris, Sept 2021
- IMBE Symposium (Marseille), Sept 2021
- eLife Symposium: Computational and Systems Biology, online, Sept 2021
- Botany conference, Colloquium on diversification, Visio, July 2021
- University College London (UK), Departmental seminar, Visio, June 2021
- Collège de France, seminar of the “Chaire Biodiversité et Ecosystèmes”, March 2021
- University of Copenhagen (Denmark), CMEC, Visio, March 2021
- Phyloseminar, invited by Erik Matsen, March 2021
- TARA Oceans Seminar Series, Visio, Feb 2021
- Uppsala University (Sweden), Institute of Organismal Biology, Visio, Dec 2020
- Women in Science, Ecology, Visio, Nov 2020
- Seminar, Moritz Lab (Australian National University), Visio, Sept 2020
- Opening Conference of the EcoDep project, Visio, Sept 2020
- University of Queensland (Australia), School of Biological Sciences, Visio, Sept 2020
- EMBL Symposium, Heidelberg, Germany, March 2020
- Statistical Methods for Post-Genomic Data, Institut Pasteur, Paris, Jan 2020
- Boden Conference, Keynote Speaker, Melbourne, Australia, Oct 2019
- Journée François Jacob 2019, Collège de France, Paris, Sept 2019
- Symposium Talk at the 2019 Island Biodiversity Meeting, St-Denis, July 2019

- Seminar of the Probability, Statistics and Modeling Lab (LPSM), Paris, June 2019
- EMBL/College de France Meeting, Paris, April 2019
- ENS cross-Departments Meeting Day, Talk, Paris, March 2019
- LBBE Seminar, Lyon, February 2019
- iDiv Conference, Leipzig, Germany, December 2018
- Biophysics Seminar, Paris, October 2018
- Radcliff Institute for Advanced Study, Conference, Harvard, September 2018
- “Grands Exposés Scientifiques” of the Ecole Normale Supérieure, September 2018
- Conference, Max Planck Institute, Tübingen, Germany, September 2018
- Instituto Gulbenkian de Ciência, Seminar, Lisbon, Portugal, July 2018
- Evolution Paris, Symposium Talk, Paris, June 2018
- The Molecular Tree of Life, Keynote Speaker, Xuzhou, China, May 2018
- Colloquium of the parisian Applied Math group, Paris, February 2018
- Stazione Zoologica, Seminar, Naples, Italy, November 2017
- BES Macroecology Group Annual Meeting, Keynote Speaker, London, July 2017
- Seminars in Ecology & Evolution, invited speaker, Montpellier, March 2017
- Gordon Research Conference on Speciation 2017, Keynote Speaker, Italy, February 2017
- 12th seminar on Ecology & Behavior, Keynote Speaker, Lyon, June 2016
- University of Zurich, Seminar, invited by Peter Linder, Zurich, March 2016
- American Society of Naturalists conference, Keynote Speaker, Asilomar, California, January 2016
- Iberian congress biological systematics, Keynote Speaker, Vitoria-Gasteiz, Spain, December 2015
- Seminar of the Director, Ecole Normale Supérieure, invited by Marc Mézard, Paris
- Cross-disciplinary Genomics, seminar, Paris, November 2015
- Annual days in bioinformatics, Seminar, invited by Eduardo Rocha, Paris, October 2015
- 10th Systematics Association Biennial Conference, Keynote Speaker, Oxford, August 2015
- Evolution 2015, Guaraja, Brazil, June 2015
- Frontiers in Ecology & Evolution, Invited Seminar, PSL-ENS, Paris, June 2015
- Phylogenetics and Biodiversity meeting, Invited Seminar, Philadelphia, April 2015
- Visionary and Retrospective Talk, Center for research and Interdisciplinarity, Paris, February 2015
- International Biogeography Conference, Keynote Speaker, Germany, January 2015
- Formal Methods in Macro-Biology, Keynote Speaker, Nouméa, October 2014
- Mathematical and Computational Evolutionary Biology, Keynote Speaker, Montpellier, June 2014
- Ecology and Evolutionary Biology at IBENS, ENS, May 2014
- International Biogeography Early Career Conference, Keynote Speaker, Canberra, January 2014
- Institut Henri Poincaré, Paris, Invited Seminar, November 2013
- University of Toulouse, Invited Seminar, November 2013
- University of Idaho, IBEST Seminar, invited by Luke Harmon, Moscow, April 2013
- University of Arizona, Quantitative Biology Colloquium, Tucson, April 2013
- NESCent, Invited Talk, Durham, NC, April 2013
- CNRS prospective in ecology, economy and law, Oléron, March 2013
- University of Sao Paulo, invited by Tiago Quental, February 2013
- Southern-Summer School on Mathematical Biology, Sao Paulo, January 2013
- Evolmol Seminar, invited by Frederic Austerlitz, Paris, December 2012
- Online Phyloseminar, invited by Erik Matsen, November 2012
- University of Lausanne, Switzerland, invited by Nicolas Salamin, November 2012
- Evolution Meeting, Ottawa, July 2012
- Ecology Letters conference “Ecological Effects of Environmental Change”, June 2012

- Thematic day on phylogenies, Lille, invited by Celine Poux, June 2012
- Biodiversity and Bioinformatics, Lyon, invited by Laurent Duret & Michael Blum, June 2012
- Statistics for Systems Biology, Paris, invited by Mahendra Mariadassou, May 2012
- Center for Biodiversity and Climate, Frankfurt, April 2012
- Cologne Spring Meeting “Molecular Ecology and Evolution” Cologne, February 2012
- Statistical Methods for Post-Genomic Data conference (SMPGD), session organizer, “Ecology & Genomics”, Lyon, January 2012
- University of Arizona, Tucson, Enquist Lab, December 2011
- Yale University, New Haven, Jetz Lab, November 2011
- Center for Mathematics and Informatics, Marseille, invited by Etienne Pardoux, October 2011
- Center for Macroecology, Evolution and Climate, Copenhagen, Denmark, October 2011
- European Ecological Federation congress (EEF), session co-organizer and speaker, “Evolutionary Ecology, Ecosystem function and Conservation: new perspectives”, Avila, Spain, September 2011
- ESA Organized Oral Session, Austin, TX, August 2011
- ECOBIO talk, Rennes, invited by Andreas Prinzing, June 2011
- ISEM Seminar, “Long term diversity dynamics: a phylogenetic perspective”, May 2011
- Ecole Polytechnique, Paris, “New frontiers for biodiversity and biogeography theory”, May 2011
- Laboratoire ESE, Orsay, Midipile seminar
- Museum of Natural History, Paris, March 2011
- ENS, Paris, Undergraduate Lecture on Community Phylogenetics, March 2011
- Center for Ecology and Evolution Symposium, London, March 2011
- University of California, Berkeley, Graduate Seminar, September 2010
- CNRS thematic school lecture on biodiversity, French Guyana, October 2010
- University of Arizona, Tucson, “Inferring diversity dynamics using phylogenies”, September 2010
- ESA Organized Session, “Phylogenetic beta-diversity”, invited by Catherine Graham, August 2010
- Gordon Research Conference Poster Session, University of New England, Maine, July 2010
- University of California, Berkeley, Marshall Lab, June 2010
- Ecole Polytechnique, France, “Are there ecological limits on diversification?”, January 2010
- Western Evolutionary Biology Conference, UC Berkeley, December 2010
- University of Oregon, Eugene, Green Lab, December 2010
- University of Pennsylvania, Philadelphia, Ecolunch, September 2009
- University of Pennsylvania, Philadelphia, Plotkin Lab, April 2009
- CNRS, French Guyana, “Theory for microbial diversity”, March 2009
- Ecole Polytechnique, France, “Ecology and biogeography of microbial diversity”, March 2009
- University of California, Berkeley “Spatial Evolutionary Diversity”, Oct 2008
- ESA organized session, Milwaukee, August 2008.
- University of Pennsylvania, Philadelphia, “Mathematical biology”, July 2008
- Speaker at the Graduate Research Seminar (Gordon Research Conference) “Metabolic Basis of Ecology”, University of New England, Maine, July 2008
- Gordon Research Conference Poster Session, University of New England, Maine, July 2008
- University of Oregon, Eugene, Graduate Seminar, “Scaling biodiversity”, invited by Jessica Green
- University of Montpellier II, France, “Ecology and Evolution of Communities”, December 2007
- Invited speaker at the University of Marseille- Luminy, France, December 2007
- National Academy of Sciences “In the light of evolution II: Biodiversity and extinction”, UC Irvine, December 2007
- ESA/SER Joint Meeting, San Jose, August 2007 Oral communication
- Monod Conference Poster Session “Environmental Genomics”, Roscoff, France, June 2007

- University of Toulouse- Paul Sabatier, France, “Evolution and Biological Diversity”, June 2007
- University of Marseille- Luminy, France, “Microbiology, Geochemistry and Ecology”, May 2007
- University of Sydney, Australia, “Molecular and Microbial Biosciences”, December 2006
- Arrowhead Conference Poster Session, Lake Arrowhead, CA, September 2006
- University of California at Merced, “Computational Biology”, August 2006
- Gordon Research Conference Poster Session, Bates College, Maine, July 2006
- ECORAD, Aix-en-Provence, France, September 2004. Oral communication.
- Chapitre St-Laurent “Environmental protection: which priorities?” Quebec, Canada, June 2004
- Symposium for European Freshwater Sciences, Edinburgh, UK, July 2003 Oral communication
- SETAC Europe, Hamburg, Germany, April 2003 Oral communication

Declined invitations as a Keynote Speaker (for the sake of time and carbon footprint)

- Biology22, Basel, Switzerland
- Gordon Research Conference 2020 “Unifying Ecology Across Scales” New Hampshire, USA
- Wenner-Gren Foundations 2020 “The Tree of Life in Blossom” Stockholm, Sweden

Media and Outreach

- Journées des nouveaux entrants au CNRS, March 2024
- Forums du Savoir, Rouen, Nov 2022
- La Recherche, Symbiose, Les réseaux du vivant, March 2022
- Press release on Sommeria-Klein et al. Science 2021, University of Turku, CNRS
- Webinar, French Embassy in the UK, Oct 2021
- Passion for Sciences seminar, Sorbonne University, April 2021
- Interview, Radio France Internationale, Feb 2021
- Interview, BBC Science, Dec 2020
- Interview, Chemins d’Avenir, Sept 2020
- Interview, Horizon Magazine, May 2020
- Interview, France Culture, May 2020
- Interview, Le Monde, December 2019
- Interview, National Geographic, August 2019
- Interviewed by Nature Careers about Women in Science, August 2018
- Press release on Lewitus et al. NEE 2018, CNRS
- Pi Day, invited speaker, Théâtre des Variétés Paris, March 2017
- Press release on Clavel & Morlon PNAS 2017, Physics Today, Arstechnica, CNRS
- TEDx talk, Hamburg, June 2016
- TED talk, Vancouver, February 2016
- Press release on Lewitus & Morlon PloSB 2016, Cell Systems
- CNRS, Les Fondamentales, debate, November 2015
- People Behind the Science Podcast, organized by Marie McNeely, August 2015
- Press release on Rolland et al. PRSB 2014, CNRS
- Press release on Rolland et al. PloSB 2014, The Conversation
- Press release on Morlon et al. PNAS 2011, Science Daily
- Press release on Morlon et al. PloSB 2010, Science Daily

• Résumé en français

Directrice de Recherche CNRS, Ecole Normale Supérieure, janvier 2014 - présent

Chargée de recherche CNRS, Ecole Polytechnique, octobre 2010 – janvier 2014

Adjunct Faculty, University of Arizona, Sept 2013 - présent

Membre associé, CIRB, Collège de France, June 2011 – présent

Post-doctorat, Ecologie, 2006-2010

Université de Californie à Berkeley (avec Matthew Potts), 2010

Université de Pennsylvanie à Philadelphie (avec Joshua Plotkin), 2009-2010

Université d'Oregon à Eugene (avec Jessica Green et Brendan Bohannon), 2007-2009

Université de Californie à Merced (avec Jessica Green) 2006-2007

Thèse, Ecotoxicologie, 2001-2005

Mention: Très honorable - Bordeaux I

Directeurs de thèse: A. Boudou et J. Garnier-Laplace

DEA, Ecologie, 2001

Mention : Bien (2^e) - Université Paris VI-ENS

Magistère de l'ENS, Mathématiques, 1997-2000

Agrégation de mathématiques - ENS Cachan

Classes Préparatoires, Mathématiques, 1995-1997

MP, MP* - Lycée Thiers, Marseille

Baccalauréat Scientifique, 1995

Mention : Très Bien, Félicitations du jury - Lycée L'Empéri, Salon de Provence