

**RICHARD BENTON**

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CH-1015	<i>ORCID</i>	0000-0003-4305-8301
Lausanne	<i>Nationality</i>	British
Switzerland	<i>Date of birth</i>	27 <sup>th</sup> September 1977
	<i>Family</i>	Married, 1 daughter (2007), 1 son (2010)

**EDUCATION**

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1995-1998	Queens' College University of Cambridge	BA/MA (Honours) Natural Sciences <i>Part IA/IB/II: Class I</i>
1999-2003	The Wellcome Trust/Cancer Research UK Gurdon Institute University of Cambridge	PhD (Biology) Supervisor: Daniel St Johnston

*Research internships:* Cold Spring Harbor Laboratory (SUR programme, Rob Martienssen lab, July-Aug 1997), Department of Biochemistry, University of Cambridge (Part II project, Nancy Standart lab, Nov 1997-Mar 1998), Imperial Cancer Research Fund (Takashi Toda lab, July-Aug 1998), MRC Laboratory of Molecular Biology, Cambridge (Jonathan Hodgkin/Patricia Kuwabara labs, Sep 1998-Mar 1999), European Molecular Biology Laboratory, Heidelberg (Anne Ephrussi lab, Mar-Sep 1999)

**RESEARCH POSITIONS**

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Oct 1999-Jan 2003	The Wellcome Trust/Cancer Research UK Gurdon Institute, University of Cambridge PhD thesis research in the laboratory of Daniel St Johnston: <i>The molecular function of the Drosophila PAR-1 kinase in establishing cell polarity</i>
May 2003-July 2007	The Rockefeller University, New York Post-doctoral research in the laboratory of Leslie Vosshall
Sep 2007-July 2012	Center for Integrative Genomics, University of Lausanne Tenure-track Assistant Professor
Aug 2012-July 2018	Center for Integrative Genomics, University of Lausanne Associate Professor (with tenure)
Sep 2017-Feb 2018	MRC Laboratory of Molecular Biology, Cambridge Visiting Professor (sabbatical)
Aug 2018-	Center for Integrative Genomics, University of Lausanne Full Professor
Nov 2018-Oct 2021	HHMI Janelia Research Campus, Visiting Scientist

**AWARDS**

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1996	Queens' College Prize
1997	Henry Mossieri Prize for Distinction in Biochemistry
1997	Queens' College Prize
1998	Queens' College Prize
2004	Annual <i>Drosophila</i> Research Conference Larry Sandler Award finalist
2005	European Symposium for Insect Taste and Olfaction Poster Prize
2009	Eppendorf and Science Prize for Neurobiology
2011	Junior Basic Science Award, Faculty of Biology and Medicine, UNIL
2012-2015	EMBO Young Investigator
2012	Friedrich Miescher Award (Swiss Society for Biochemistry)
2012	Association for Chemoreception Sciences Young Investigator Award for Research in Olfaction
2015	National Latsis Prize (Swiss National Science Foundation)
2016	"100 personnalités qui font la Suisse romande", L'Hebdo
2016	EMBO Gold Medal

2017	Outstanding Student's Guidance Award, Faculty of Biology and Medicine, UNIL
2019-	EMBO Member
2021-	Fellow of The Royal Society (United Kingdom)

## GRANTS

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1998	Korner Travelling Fellowship
1999-2002	Wellcome Prize Studentship
1999-2002	Perse Scholarship for Research in Developmental Biology (Gonville and Caius College)
2003	Human Frontier Science Program Long Term Fellowship ( <i>gratefully declined</i> )
2003-2005	European Molecular Biology Organisation Long Term Fellowship
2005-2007	Helen Hay Whitney Foundation Maclyn McCarty Fellowship
2008-2013	European Research Council Starting Independent Researcher Grant (EUR 1500k)
2008	Swiss National Science Foundation R'Equip Grant (co-recipient) (CHF 295k)
2008-2009	Roche Research Foundation Fellowship (CHF 30k)
2009-2012	Swiss National Science Foundation Project Grant (CHF 459k)
2009	European Science Foundation-EMBO Conference Grant (co-recipient)
2011-2014	Human Frontier Science Program Young Investigator Grant (EUR 250k*)
2012-2015	Swiss National Science Foundation Sinergia Grant (co-recipient) (CHF 380k*)
2012-2016	Swiss National Science Foundation Project Grant (CHF 624k)
2012-2013	Novartis Foundation (CHF 60k)
2013-2017	Swiss National Science Foundation Nanotera Grant (co-recipient) (CHF 398k*)
2014-2019	European Research Council Consolidator Grant (EUR 1990k)
2016-2019	Swiss National Science Foundation Project Grant (CHF 834k)
2018-2021	Janelia Visiting Scientist Program (host: David Stern)
2019-2024	European Research Council Advanced Grant (EUR 2328k)
2019-2020	Novartis Foundation (CHF 60k)
2019-2023	Swiss National Science Foundation Excellence Grant (CHF 699k)

\*Financial award to own laboratory indicated for collaborative research funding

## PROFESSIONAL SERVICE

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### Meeting/seminar organisation

- 2007: Conference assistant, Keystone Symposium on "Chemical Senses: from Genes to Perception"
- 2008-: Founder and organiser, Lausanne *Drosophila* Meetings
- 2009: Organiser, Swiss *Drosophila* Meeting (120 attendees)
- 2009: Founder and organiser, Swiss Chemosensory Meeting
- 2009: Session organiser and chair: European *Drosophila* Research Conference
- 2010: Co-organiser, Center for Integrative Genomics Symposium: "Sensing the Environment" (~200 attendees)
- 2010: Co-organiser, ESF-EMBO Conference: "Functional Neurobiology In Minibrains: From Flies To Robots, And Back Again" (~100 attendees)
- 2010-: Committee member, Lausanne Neuroscience Seminar Series
- 2010-: Committee member, Center for Integrative Genomics Seminar Series, UNIL
- 2012: Co-organiser, Minisymposium on "Evolution of chemosensory systems" at the 16<sup>th</sup> International Symposium on Olfaction and Taste, Stockholm
- 2014: Chairperson, Life Sciences Switzerland (LS<sup>2</sup>, formerly USGEB) Annual Meeting (~650 attendees)
- 2015: Co-organiser, Center for Integrative Genomics 10<sup>th</sup> Anniversary Symposium: "A Decade in Genomics" (~200 attendees)
- 2017: Organiser, EMBO/EMBL Symposium: "Neural Circuits in the Past, Present and Future" (~120 attendees)
- 2017: Organiser, Center for Integrative Genomics Symposium: "Innovations in Biology" (~160 attendees)
- 2019: Committee member, European *Drosophila* Research Conference, Lausanne (~750 attendees) and workshop organiser "Engineering *non-melanogaster* drosophilids"
- 2020: Committee member, Life Sciences Switzerland (LS<sup>2</sup>) Annual Meeting
- 2020: Co-organiser, EMBO Conference, NCBS, India: "Senses: Development, Evolution and Connectivity" (*postponed due to COVID*)

2022 Organiser, Symposium on “Chemical Ecology and Reverse Chemical Ecology”, International Congress of Entomology, Helsinki

Course organisation/management

Summer Undergraduate Research (SUR) Programme, UNIL  
2010-2011: Vice-Director  
2012-2018: Director

Master of Science in Molecular Life Sciences, UNIL  
2018-: Head

Editorial service

2009-: Frontiers in Neurogenomics, Review Editor  
2013-2015: PLOS Biology, Guest Academic Editor  
2016-: PLOS Biology, Academic Editor  
2017-: BMC Biology, Editorial Board  
2017-2020: Royal Society Open Science, Editorial Board  
2018-: eLife, Guest Editor  
2018-: PLOS Genetics, Guest Academic Editor

Journal Reviewer

Science, Nature, Cell, Neuron, Nature Neuroscience, Nature Methods, Nature Communications, Science Advances, Genes and Development, PNAS, Current Biology, J Cell Biology, PLOS Biology, PLOS Genetics, PLOS Neglected Tropical Diseases, PLOS ONE, Journal of Experimental Biology, Journal of Neuroscience, Cell Reports, eLife, Journal of Neurophysiology, The FASEB Journal, Cell and Tissue Research, Journal of Insect Science, Chemical Senses, Proceedings of the Royal Society B, Journal of Comparative Neurology, Naturwissenschaften, Journal of Visualized Experiments, Journal of Experimental Marine Biology and Ecology, Insect Biochemistry and Molecular Biology, Insect Molecular Biology, Fly, Trends in Genetics, BMC Biology, Curr Op Insect Science

Grant Reviewer

European Research Council, Human Frontier Science Program, European Molecular Biology Organisation, Swiss National Science Foundation, The Wellcome Trust, Biotechnology and Biological Sciences Research Council (UK), German Research Foundation (DFG), Boehringer Ingelheim Fonds, Knut and Alice Wallenberg Foundation (Sweden), French National Research Agency, ATIP-AVENIR Program (France), Marsden Fund (New Zealand), Czech Science Foundation, FWO (Netherlands), Aarhus Institute of Advanced Studies/COFUND (Marie Curie), Gutenberg Research College, Global Talent Visa (UK Government), Whitehall Foundation Inc. (USA)

International/National Committee Participation

2020-: Swiss National Science Foundation, Ambizione Grant Evaluation Committee  
2021-2024: The Royal Society – Sectional Committee 8 (Multicellular Organisms)  
2022-: European *Drosophila Society* – non-profit Association member

International Scientific Advisory Board Membership

2012-2022: Max Planck Institute for Chemical Ecology, Jena

Institutional Committee Participation

*Faculty recruitment and tenure evaluation*

- 2012: Associate Professorship Search Committee, Department of Fundamental Neurosciences, UNIL
- 2013: Full Professorship/Director Search Committee, Department of Fundamental Neurosciences, UNIL
- 2013: Tenure Evaluation Committee for Prof. Anita Lüthi, Department of Fundamental Neurosciences, UNIL

- 2013: Tenure-track Assistant Professorship Search Committee, Department of Ecology and Evolution, UNIL
- 2014: *Ad hoc* Search Committee, Associate Professorship, Brain Mind Institute, EPFL
- 2014: Full Professorship/Director Search Committee, Department of Fundamental Neurosciences, UNIL
- 2015: President, Tenure track Assistant & Associate Professorships Search Committee, Department of Fundamental Neurosciences, UNIL
- 2020: President, Tenure track Assistant Professorship Search Committee, Department of Computational Biology/NCCR-Microbiomes, UNIL

*Other*

- 2013-2017: Research Council (Commission de la Recherche), Faculty of Biology and Medicine, UNIL
- 2013: Working group (Groupe de travail): new department of the Faculty of Biology and Medicine, UNIL
- 2018-: Conseil de l'Ecole Doctorale, Faculty of Biology and Medicine, UNIL
- 2018: Prix Guénin Selection committee, UNIL
- 2019-: Commission de sélection pour les Prix de Faculté
- 2021: Working group of the rectorate: Plans d'intentions de l'UNIL - Recherche
- 2021: Commission: recherche intégrité de la FBM

Tenure/Promotion Review

Tenure/research evaluation of 12 Principal Investigators in the USA, UK, Germany and Switzerland

Doctoral Thesis committee expert

- 2008: Aidan Kiely (Newcomb group, University of Auckland)
- 2010: Kai Feng (Dickson group, Institute of Molecular Pathology, Vienna)
- 2011: Aitana Morton de Lachapelle (Bergmann group, UNIL)
- 2011: Stéphane Dorsaz (Tafti group, University of Lausanne)
- 2012: Sveta Chakrabarti (Lemaître group, EPFL)
- 2013: Colm Carragher (Newcomb group, University of Auckland)
- 2014: María Luisa Martínez (co-referee) (Moreno group, University of Bern)
- 2014: Christine Missbach (Hansson group, MPI of Chemical Ecology, Jena)
- 2014: Alfred Chng (Lemaître group, EPFL)
- 2015: David Bovard (Broillet group, UNIL)
- 2015: Ximena Ibarra Soria (Logan group, Sanger Institute, University of Cambridge)
- 2016: Francesco Carelli (Kaessmann group, UNIL)
- 2016: Paavo Huoviala (Jefferis group, MRC-LMB)
- 2017: Oleksii Bilousov (Katanaev group, UNIL)
- 2017: Luca Charles Stickley (Nagoshi group, UNIGE)
- 2018: Olga Klipa (co-director) (Hamaratoglu group, UNIL)
- 2018-2019: Isa Özdemir (co-director) (Gambetta group, UNIL)
- 2019-: Maria Paglione (co-director) (Neukomm group, UNIL)
- 2020: Xiaoqing Ho (Christer Löfstedt group, Lund University)
- 2020-2022: Bihan Wang (co-director) (Gambetta group, UNIL)
- 2020-: Tane Kafle (Arguello group, UNIL)
- 2021-: Michael Stock (Roignant group, UNIL)
- 2021-2022: Dwayne Evans (Extavour group, Harvard University)
- 2022-: Cynthia Gutierrez de Velazco (Bagni group, UNIL)

Master Thesis committee expert

- 2011: Véronique Vocat (Lashuel group, EPFL)
- 2016: Alicia Borgeaud (Dion group, UNIL)
- 2018: Axelle Vandembroucq (Bagni group, UNIL)
- 2020: Asya Dolgikh (Lemaître group, EPFL)
- 2022: Daniel Rodriguez (Gambetta group, UNIL)

Thesis committee president

- 2015: Paris Jafari (Braissant group, CHUV)

2015: Alexandre Pfister (Geldner group, UNIL)  
 2016: Nicee Srivastava (Fasshauer group, UNIL)  
 2017: Amaranta Fontcuberta (Chapuisat group, UNIL)  
 2018: Andra-Octavia Roman (Santiago Cuellar group, UNIL)  
 2019: Tsu-Hao Yang (Farmer group, UNIL)  
 2020: Hammam Antar (Gruber group, UNIL)  
 2020: Hugo Palejowski (Wedekind group, UNIL)  
 2021: Jessica Burnier (Veening group, UNIL)

Mentor (Center for Integrative Genomics PhD Programme, UNIL)

2008-2011: Alexandra Laverrière (Thorens group)  
 2010-2016: Sha Li (Vassali group)  
 2011-2016: Leonor Rib (Herr group)  
 2011-2012: Sarah Keim (Fankhauser group)  
 2012-2017: Paolo Schumacher (Fankhauser group)  
 2014: Jelena Tomic (Herr group)  
 2014-2018: Olga Klipa (Hamaratoglu group)  
 2016-2020: Gustavo A. Ruiz Buendia (Dion group)  
 2018-: Ana Lopez Vazquez (Fankhauser group)  
 2018-2019: Andreia Dos Santos Lopes (van Leuuwen group)  
 2019-: Uyen Linh Ho (van Leuuwen group)  
 2021-: Shivali Dongre (Vastenhouw group)  
 2021-: Carlos Martinez Gamero (Roignant group)

Faculty mentor

2016-2021: Christophe Dessimoz (SNF Assistant Professor, CIG/DBC, UNIL)  
 2017-: Maria Cristina Gambetta (Tenure Track Assistant Professor, CIG, UNIL)  
 2021-: Nikolaus Konstantinides (Institut Jacques Monod, Paris)

**INVITED SEMINARS/CONFERENCE PRESENTATIONS**

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2003	• Cambridge University <i>Drosophila</i> Seminar Series
2004	• Society for Neuroscience Annual Meeting, San Diego
2005	• Friedrich Miescher Institute, Basel • Institute of Biochemistry, ETH, Zurich • Institute of Zoology, University of Fribourg
2006	• The Rockefeller University Neuroscience Retreat, New York • Centre for Neuroscience, University of Edinburgh • Department of Zoology and Animal Biology, University of Geneva • Center for Integrative Genomics, University of Lausanne • Department of Zoology, University of Cambridge • European Chemoreception Research Organisation Conference, Granada • Brain Mind Institute, EPFL, Lausanne
2007	• Keystone Symposium on “Chemical Senses”, Snowbird • Helen Hay Whitney Foundation Annual Meeting, MIT • Transbugnon Seminar, Centre Hospitalier Universitaire Vaudois (CHUV), Lausanne
2008	• “D.Day 2008”, PhD Research Day, University of Lausanne • Institut de Biologie du Développement de Marseille-Luminy • 6 <sup>th</sup> Würzburg “Brain and Behavior Days” (plenary speaker) • Annual Swiss <i>Drosophila</i> Meeting, Bern • "Neurobiology of Sensory Systems" Symposium, XXIII International Congress of Entomology, Durban, South Africa ( <i>gratefully declined</i> ) • Department of Biology, University of Konstanz • International Symposium on Olfaction and Taste, San Francisco • European Molecular Biology Laboratory, Heidelberg • “Friedrich Miescher Lecture”, Friedrich Miescher Institute, Basel
2009	• Department of Fundamental Neuroscience, University of Geneva • Keystone Symposium on “Chemical Senses”, Lake Tahoe

- German Neuroscience Society Annual Meeting, Göttingen
- Cold Spring Harbor Laboratory, New York
- European Symposium for Insect Taste and Olfaction, Sardinia
- Swiss Neurofly Meeting, University of Fribourg
- European *Drosophila* Research Conference, Nice (Session Chair)
- AgroParisTech, INRA, Versailles
- 2010 • EPFL Laboratory of Physical Chemistry of Polymers and Membranes Winterschool, Adelboden
- Department of Genetic Medicine and Development, University of Geneva
- “Nutritional Homeostasis in Insects” Workshop, University of Bonn (*gratefully declined*)
- Center for Integrative Genomics, University of Lausanne
- Institute for Molecular Pathology, Vienna
- Eppendorf Headquarters, Hamburg
- ESF-EMBO Conference: “Functional Neurobiology In Minibrains: From Flies To Robots, And Back Again”, Sant Feliu
- Basel Neuroscience Seminar Series, Biozentrum
- Division of Biology, University of California-San Diego
- Division of Biology, Caltech
- 2011 • Max Planck Institute of Chemical Ecology, Jena
- Max Planck Institute of Neurobiology, Martinsried
- BCN-CDB Symposium: “Frontiers in Biology”, Barcelona
- 103rd International Titisee Conference on “Genetic analysis of neural circuits”
- French National Neuroscience Meeting, Marseille (*gratefully declined*)
- EPFL Life Science Seminar Series, Lausanne
- Princeton Neuroscience Institute
- XXIIth ECRO meeting, Manchester (*gratefully declined*)
- Junior European *Drosophila* Investigators Meeting, Leysin
- 6th International Symposium on Molecular Insect Science, Amsterdam
- University of Geneva International PhD program Annual Retreat
- BIG (Biology and Integrative Genomics) seminar, UNIL
- ALPS (Arc Lémanique Plant Science) Symposium, St-Cergue
- 2012 • Institute of Science and Technology, Austria
- CNRS-Université de Bourgogne, Dijon
- MRC Laboratory of Molecular Biology, Cambridge
- School of Biological and Chemical Sciences, University of London
- London Fly Meeting
- EMBO Young Investigator Meeting, Lisbon
- Departments of Biology and Medicine, University of Fribourg
- Minisymposium “Evolution of chemosensory systems” at the 16<sup>th</sup> International Symposium on Olfaction and Taste, Stockholm
- John Hildebrand’s 70<sup>th</sup> Birthday Symposium, Wurzburg
- EMBO Young Scientist Forum, Istanbul (*gratefully declined*)
- International Congress of Entomology, South Korea (*gratefully declined*)
- Third Leibniz Symposium on “Translating synaptic activity into neuronal plasticity” (*gratefully declined*)
- 16th Evolutionary Biology Meeting, Marseille (*gratefully declined*)
- Cellular Mechanisms of Sensory Processing Conference, MPI-Göttingen (*gratefully declined*)
- Wellcome Trust/Cancer Research UK Gurdon Institute, Cambridge
- 2013 • Sensory Signaling in Model Organisms, HHMI/Janelia Farm Research Campus
- 2<sup>nd</sup> Cold Spring Harbor Asia Francis Crick Symposium on Neuroscience, ‘The Changing Brain’; Suzhou, China
- London Fly Meeting (*gratefully declined*)
- European Symposium for Insect Taste and Olfaction, Sardinia
- Centro Andaluz de Biología del Desarrollo, Seville
- Human Brain Seminar Series, CHUV, Lausanne
- “Neuroclub”, University of Geneva
- 2014 • Molecular Neuroscience Forum, Weizmann Institute, Israel

- European Science Foundation Workshop: “The Development and Function of Neural Systems”, Istanbul
- Life in the Aggregate: Mechanisms and Features of Social Dynamics, HHMI/Janelia Farm Research Campus
- ESF-EMBO Conference: “Flies, Worms and Robots: Combining Perspectives on Minibrains and Behaviour”, Sant Feliu
- European Neurofly Meeting, Crete (*gratefully declined*)
- European Congress of Entomology, York (*gratefully declined*)
- XXIVth European Chemoreception Research Organization Conference (*gratefully declined*)
- 2015 • Center for Neural Circuits and Behavior, University of Oxford
- EMBO/Arolla Workshop: “Cell and Developmental Systems”
- European Symposium for Insect Taste and Olfaction, Sardinia
- MRC Clinical Sciences Centre, Imperial College London
- 2016 • The Genetics Society: “Building the brain: from genes to circuits and cognition”, London
- International Congress of Entomology (ICE), Orlando (*gratefully declined*)
- International Congress of Neuroethology (ICN), Montevideo (plenary lecture)
- Telluride Workshop on Molecular Recognition and the Chemical Senses, Colorado (*gratefully declined*)
- Symposium on “Evolution of the Brain”, Department of Fundamental Neurosciences, UNIL
- International Symposium on Olfaction and Taste Satellite Meeting, University of Tokyo
- EMBO Meeting, Mannheim
- 2017 • Department of Biology, Lund University, Sweden
- Department of Pharmacology and Toxicology, UNIL
- Institute of Biology, University of Neuchâtel
- Schram Foundation Symposium, Germany (keynote lecture) (*gratefully declined*)
- Department of Biology, Brandeis University
- Department of Genetics, Harvard Medical School
- The Rockefeller University
- EMBO/EMBL Symposium: “Neural Circuits in the Past, Present and Future”
- DKFZ-ZMBH Alliance Colloquium, Heidelberg
- Club de Neurobiologie des Invertébrés, French Society of Neurosciences, CNRS-Dijon (plenary lecture)
- Society of Neuroscientists of Africa 13<sup>th</sup> International Meeting, Kampala-Uganda (plenary lecture) (*gratefully declined*)
- ECRO XXVII (plenary lecture), Cambridge
- European Symposium for Insect Taste and Olfaction, Sardinia (invited speaker)
- MRC Laboratory of Molecular Biology, Cambridge
- 31<sup>st</sup> French *Drosophila* Meeting (*gratefully declined*)
- Department of Physiology, Development and Neuroscience, University of Cambridge
- 2018 • Champalimaud Centre for the Unknown, Lisbon
- Lyon Neuroscience Research Center
- EMBO Workshop on the Molecular and Developmental Biology of *Drosophila*, Crete
- EMBO/Arolla Workshop: “Cell and Developmental Systems”
- XI European Congress of Entomology (*gratefully declined*)
- McGovern Institute for Brain Research and Center for Quantitative Biology Workshop, Peking University: “Neuroscience and AI” (*gratefully declined*)
- Centre for Developmental Neurobiology at King's College London
- “*Flying Senses*” Symposium, European Neuroscience Institute, Göttingen (*gratefully declined*)
- 2019 • Columbia Workshop on Brain Circuits, Memory and Computation, New York
- Janelia Research Campus
- “Nutritional Homeostasis in Insects” Workshop, University of Bonn
- Kavli Workshop on Neural Circuits and Behavior of *Drosophila*, Crete
- European Symposium for Insect Taste and Olfaction, Sardinia (invited speaker) (*gratefully declined*)
- EMBO Members Meeting, EMBL-Heidelberg
- Institute for Functional Genomics, University of Montpellier
- 2020 • *All scientific conference/seminar engagements postponed due to the COVID-19 pandemic*
- 2021 • Institute for the Diversity, Ecology and Evolution of the Living World, Université Paris-Saclay (Webinar; PhD student invitation)

- Brain Awareness Week, Regional Centre for Biotechnology, NCR Biotech Science Cluster Haryana (NCR Delhi) (Webinar)
- “Around the globe in 24 hours virtual symposium on Insect Olfaction and Taste” (Webinar)
- Swiss *Drosophila* Meeting, Walter Gehring Keynote Lecture, U. Zurich
- 2022 • Instituto de Neurociencias, Alicante
- next Generation Insect Chemical Ecology (nGICE), Max Planck Center (Webinar)
- International Congress of Entomology, Helsinki, Finland
- Georgia State University, Brains and Behavior Distinguished Lecture Series (Webinar)
- 2023 • School of Biosciences, University of Cardiff

Postponed invitations

- “Neuro-Evo: A Comparative Approach to Cracking Circuit Function III” Janelia Research Campus
- EMBO Conference, NCBS, India “Senses: Development, Evolution and Connectivity”

**TEACHING**

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Undergraduate

- 2008-2019 Génétique des modèles eucaryotes (BSc2, UNIL) (4h lectures)  
 2009-2019 Génétique des modèles eucaryotes (Travaux Pratiques, BSc2, UNIL) (2x3h)  
 2009- Third year Experimental Design Course host laboratory  
 2010- Advanced Molecular, Cellular and Development Biology: Body patterning (BSc3, UNIL) (14h lectures + Understanding/Interpretation of Scientific Literature 8h + Introduction to scientific paper reading and communication 1h (until 2019))  
 2011- Dynamic cell module: Cilia, cellular antennae in health and disease (BSc3, UNIL) (5h lectures) and Introduction to scientific writing (1h lecture (until 2019))  
 2013- Chemosensory perception in minibrains: from genes to behaviour (BSc3, UNIL) (4h lectures, 6h practical classes, 6h paper reading)

Post-graduate

- 2008 “Animals models in brain research” seminar for Master/PhD course in neurobiology, University of Fribourg (1h lecture)  
 2008-2011 “Olfactory physiology”: lecturer, Cold Spring Harbor Laboratory Neurobiology of *Drosophila* course (3h lectures; 6h practical training)  
 2009-2013 “Invertebrate Olfaction” Master Programme, University of Geneva (2h lectures)  
 2010- “Molecular mechanisms of evolution” (Master in Molecular Life Sciences, UNIL) (2h lectures + 6h research article discussions)  
 2011-2018 “Write-a-review” course tutor; Master in Molecular Life Sciences, UNIL (~16h)  
 2012- “How to communicate your science” Master in Molecular Life Sciences, UNIL (1h lecture)  
 2015 PhD Course in Insect Chemical Ecology, Alnarp, Sweden (2h lecture)  
 2018- Various teaching roles as Head of the Master in Molecular Life Sciences, UNIL (e.g., organisation/chairing of annual retreat (2 days), management/evaluation of “First step” projects, Write a Review & Fellowship courses (several days cumulatively annually))

Other

- 2008 “Models in biology: *Drosophila*” seminar for joint Center for Integrative Genomics and Department of Medical Genetics-UNIL meeting (1h lecture)  
 2009 CAOS Post-doc/Student Meeting “How to give a scientific presentation” (1h lecture)  
 2009 Euresearch and EPFL, Postgraduate Course “European Funding” (1h lecture)  
 2010 EPFL Laboratory of Physical Chemistry of Polymers and Membranes Winterschool, Adelboden (1h lecture)  
 2010-2013 UNIL/EPFL Summer Undergraduate Research Programmes: “How to communicate your science” (1h lecture)  
 2012-2014 “Science<sup>2</sup>” laboratory visit (1h lecture)  
 2014 EPFL/UNIL Life Sciences Postdoctoral Association: “How to manage a lab and staff”



2016 “Speed-dating” workshop on career & family, NCCR Chemical Biology/University of Geneva

#### Public outreach

2008- “Les Mystères de l’UNIL” - journées portes ouvertes (2 days annually)  
 2015 Préverenges school class lab visit – “La drosophile” (4h)  
 2016 CQFD, RTS1: “La drosophile”  
 2016 Préverenges school class demonstration – “Les microbes” (2h)  
 2017 CQFD, RTS1: Rencontre avec Richard Benton, “le grand invité de la semaine”  
 2017 Article dans Echos du vivant – éclairage – “Dans la tête d’une mouche”  
 2017 Article dans “La Salamandre”  
 2018 Conférence de la Cérémonie de remise des Masters en biologie  
 2018 Article dans Migros-Magazine  
 2018 Portrait dans TierWelt  
 2018 Journées découverte – visite de laboratoire  
 2018 Consultant, Musée de la Main – exposition sur l’odorat  
 2019 Leçon Inaugurale (public lecture): “Chacun son cerveau: l’évolution de la perception sensorielle”  
 2021 Article dans Echos du vivant – “L’odorat et le goût”  
 2022 Discussion with Cesla Amarelle (Conseillère d’Etat) regarding participation of Switzerland in Horizon-Europe  
 2022 Consultation on exhibition on “post-natural history” Pénitencier-Musée de la Nature, Sion

#### TRAINEES

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##### Post-doctoral fellows

- Yael Grosjean (Oct 2007-Dec 2009)  
(currently: CNRS Research Director, Dijon)
- Michael Reid (Jun 2008-May 2009)
- Ana Florencia Silbering (Aug 2008-Nov 2018)  
(currently: Chargée de Projet at the Medical Education Unit, UNIL)
- Carolina Gomez-Diaz (Jul 2009-Jul 2014) (Asturian Government Fellowship)  
(currently: Associate Professor, University of Oviedo)
- Michael Saina (Aug 2009-Aug 2014)  
(currently: Senior Consultant at *advisca*)
- Pavan Ramdya (Aug 2009-Feb 2015) (HFSP Long-term Fellowship)  
(currently: Assistant Professor Tenure Track position at the EPFL Brain Mind Institute/Interfaculty Institute of Bioengineering)
- Benoîte Bargeton (Sep 2010-Feb 2011, and Sep 2012-Aug 2017)  
(currently: Regional Study Coordinator, Labcorp Drug Development)
- Adria Le Boeuf (Jun 2011-Nov 2016)  
(currently: currently PRIMA Group Leader, Department of Biology, University of Fribourg)
- Lucia Prieto-Godino (Feb 2012-Oct 2017) (FEBS Long-term Fellowship; FENS European Journal of Neuroscience Young Investigator Award)  
(currently: Group Leader, The Francis Crick Institute, London)
- Juan Antonio Sánchez-Alcañiz (Aug 2012-June 2018) (FEBS, EMBO and HFSP Long-term Fellowships)  
(currently: Group Leader at the Instituto de Neurociencias, Alicante)
- J. Roman Arguello (Jan 2013-June 2018) (Novartis Foundation Grant)  
(currently: SNSF Professor, Department of Ecology and Evolution, UNIL)
- Phing Chian Chai (April 2014-Mar 2019)  
(currently: Forensic Scientist (DNA DatabaseLab) with the Health Science Authority, Singapore)
- Thomas Auer (April 2015-) (HFSP Long-term Fellowship)  
(currently SNSF Ambizione Grant Group Leader, Center for Integrative Genomics, UNIL)
- Sean McKenzie (Jan-Aug 2018)  
(currently: Lecturer in Biology, Gonzaga University, USA)
- Jérôme Mermet (April 2019-)
- Hayden Schmidt (July 2019-Feb 2021) (EMBO Long-Term and Helen Hay Whitney Foundation Post-doctoral Fellowships)  
(currently: Scientist I position, International Aids Vaccine Initiative, California)

- Suguru Takagi (Sep 2019-) (Marie Curie and EMBO Long-Term Fellowships)
- Michael Shahandeh (Feb 2020-)
- Daehan Lee (July 2020-Aug 2022)  
(*currently tenure-track Assistant Professor position, Department of Biology, Kyung Hee University, South Korea*)
- Michele Marconcini (Oct 2020-)
- Ambra Masuzzo (Aug 2021-) (EMBO Long-term Fellowship)
- Nathaniel Himmel (Feb 2022-) (HFSP Long-term Fellowship)

#### PhD students

- Raphael Rytz (May 2008-June 2013) (Roche Research Foundation Fellowship)  
(*currently: Research Associate at the Federal Office of Public Health, Bern*)
- Vincent Croset (Feb 2009-June 2013) (Boehringer Ingelheim Fellowship)  
(*currently: Assistant Professor, Durham University, UK*)
- Rati Bell (Aug 2008-Oct 2013) (Boehringer Ingelheim Fellowship)  
(*currently: The Food and Environment Research Agency, York*)
- Anantha Krishna Sivasubramaniam (Dec 2009-July 2014)  
(*currently: PhD student, University of Reading, Malaysia*)
- Jan Armida (Jun 2013-May 2018)  
(*currently: Swiss Institute for Bioinformatics*)
- Marta Scalzotto (Sep 2014-August 2019)  
(*currently: Clinical Trial Data Analyst at Labcorp*)
- Kaan Mika (Dec 2015-Feb 2021) (Guénin Prize 2022)  
(*currently: post-doctoral researcher with Consuelo De Moraes, ETH*)
- Raquel Alvarez Ocana (Mar 2017-)
- Asfa Sabrin Borbora (Dec 2021-)

#### Master students

- Deborah Widmer (Masters in Behaviour, Evolution and Conservation “First steps” project, 2008)
- Vincent Croset (Masters in Genomics and Experimental Biology project, 2008) (Prix de Faculté)
- Cristina Leoni (Masters in Genomics and Experimental Biology “First steps” project, 2009)
- Jan Armida (Masters in Medical Biology “First steps” project, 2011)
- Flavio Angei (Masters in Medical Biology Masters project, 2012)
- Jane Yi (Masters in Medical Biology “First steps” project, 2013)
- Sabine Mentha (Masters in Molecular Life Sciences Masters project, 2014)
- Raquel Alvarez Ocana (Masters in Medical Biology Masters project, 2016)
- Andrea Coti (Masters in Behaviour, Evolution and Conservation “First steps” project, 2017)
- Lou Lescuyer de Decker (Masters in Behaviour, Evolution and Conservation “First steps” project, 2020)
- Artemiy Saukin (Masters in Molecular Life Sciences “First steps” project, 2020)
- James Tan (Masters in Molecular Life Sciences Masters project, 2021)
- Julien Cergneux (Masters in Molecular Life Sciences “First steps” project, 2021)

#### Undergraduate students

- Alexandre Wicky (Summer student, 2009)
- Jeanne De Lavallaz (Summer student, 2010)
- Ruichen Sun (UNIL Summer Undergraduate Research (SUR) Programme student, 2010, and intern, 2011)
- Jovana Plavska (UNIL SUR Programme student, 2011)
- Yueying Wang (UNIL SUR Programme student, 2012)
- Rachel Crosby (UNIL SUR Programme student, 2014)
- Pedro Tan (UNIL SUR Programme student, 2018)
- Eleni Lamprou (UNIL SUR Programme student, 2019)
- Camille Guérin (Spring internship student, 2022)

#### Technicians

- Liliane Abuin (Oct 2007-)
- Jaime Humberto Copete Reina (Feb 2010-Apr 2013)

- Steeve Cruchet (Feb 2011-)
- Giovanna Zappia (Oct 2013-)

Technical assistants

- Marion Graf (Apr-Dec 2009) (stagiaire)
- Jérôme Blanc (Sep 2010-June 2011) (stagiaire)
- Romain Groux (Oct 2011-May 2012) (undergraduate helper)
- Lisa Haerri (Mar-Aug 2016) (stagiaire)
- Adrian Herrera (Sep 2017-Jan 2018) (civilist)
- Alexandre Cergneux (July-Aug 2018) (stagiaire)
- Jonas Barraud (Jan-Sep 2020) (stagiaire)
- Louis Currat (Jan-Apr 2022) (stagiaire)

High-school students (Travail de maturité)

- Narjes Sayah (2018)
- Gilles Courvoisier (2022)

Visiting scientists

- Vladimir Panin (Aug 2013-Jan 2014) (sabbatical visitor from Texas A&M University, USA)
- Naoko Toshima (Jan-May 2015) (visiting PhD student, Tanimura group, Kyushu University, Japan)
- Kaan Mika (Jan-Nov 2015) (visiting research assistant)
- Alberto Cattaneo (Jan 2020-Mar 2021; visiting fellow, Lund University; funded by Formas Grant)

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