

Personal Data

Department of Ecology and Evolution
 University of Lausanne
 Biophore
 1015 Lausanne
 Switzerland
 Tel: (41-21) 692-41-73
 Fax: (41-21) 692-41-05
Laurent.keller@unil.ch

Date of Birth - 28 February, 1961, Swiss citizen

Education

1983	B.Sc. University of Lausanne, Major Biology
1985	M.Sc. University of Lausanne, Major Biology
1989	Ph.D. University of Lausanne, Major Zoology

Positions Held

1983-1985	Research Assistant, Museum of Zoology, Lausanne and Department of Zoology and Animal Ecology University of Lausanne
1985-1987	Research Associate, Laboratory of Entomology, University Paul-Sabatier, Toulouse, France
1987-1989	Graduate Student, Museum of Zoology, Lausanne and Department of Zoology and Animal Ecology University of Lausanne
1989-1990	Postdoctoral Research Associate, Museum of Zoology, Lausanne and Department of Zoology and Animal Ecology, University of Lausanne
1990-1992	Postdoctoral Research Fellow, Museum of Comparative Zoology, Harvard University
1992-1996	Holder of a START (Swiss Talents for Academic Research and Teaching) fellowship (Swiss NSF), 84 months), University of Bern and Lausanne. From 1994-1996 Privat Docent at the University of Lausanne
1996-2000	Associate Professor of Ecology, University of Lausanne, Switzerland (50%) and Holder of a START (Swiss Talents for Academic Research and Teaching) Fellowship (Swiss NSF), University of Bern and Lausanne (50%)
1998-2000	Head of the Institute of Ecology, University of Lausanne
2000-	Full Professor of Evolutionary Ecology and Head of the new Department of Ecology and Evolution, University of Lausanne
2009	Sabbatical, Rockefeller University

Professional Honours and Prizes

1989	Outstanding Ph.D. student award, University of Lausanne
1990	Brunner Prize for the best Ph.D. in the Faculty of Sciences, University of Lausanne
1992	START (Swiss Talents for Academic Research and Teaching) fellowship (by the Swiss NSF)
1993	Award for best talk during the Annual Conference of the Swiss Zoological Society, Satellite symposium
1998	Mouline Prize for an article published in <i>Evolution</i> (first author: Michel Chapuisat),
1999	AETAS (Foundation for research on ageing) Research Award
2000	Leenards Research Award
2000	National Latsis Prize 2000, awarded by the Swiss NSF
2000	Charles D. Michener Lecture, University of Kansas
2005	Ernest Dubois Prize
2005	E. O. Wilson Naturalist Award

2006	Verwey lecture, Verwey meeting 2006
2009	Basic Life Science Senior Research Award, Faculty of Biology and Medicine, Lausanne
2010	ERC Advanced Grant

Main Society Positions

1989-1990	Secretary, French Section of the International Union for the Study of Social Insects
1989-1995	Council member of the French Section of the International Union for the Study of Social Insects
1994-1997	President of the Swiss Zoological Society
1997-1999	Vice-President of the Zoological Society of Switzerland
1998-2004	Member of the Swiss Commission for Biology (Swiss Commission for Biology, Swiss Academy for Science)
1999-2003	Member of the Steering Committee of the "National Forum on Biodiversity" (Swiss Commission for Biology, Swiss Academy for Science)

Editorial Positions

1994-1997	Editorial board of <i>Revue Suisse de Zoologie</i>
1995-1998	Reviewing Editors of <i>Journal of Evolutionary Biology</i>
1997-1999	Consulting Editor for <i>Animal Behaviour</i>
1998-2004	Editor for <i>Ecology Letters</i>
1999-2003	Editorial Board of <i>Selection</i>
2000-	Associate Editor for <i>Behavioral Ecology and Sociobiology</i>
2002-2009	Editorial Board of <i>Behavioral Ecology</i>
2003-2005	Associate Editor for <i>Evolution</i>
2003-	Editorial Board of <i>PLoS Biology</i>
2004-	Faculty of 1000, member
2005-	Editorial Board of <i>BMC Evolutionary Biology</i>
2006-	Editorial Board of <i>Current Biology</i>
2007-	Editorial Board of <i>Communicative & Integrative Biology</i>

Main Committees and Boards

1998	Head of the committee "Criteria of the allocation of assistants", Faculty of Biology, University of Lausanne
1998	Member of the committee "Future of biology at the University of Lausanne"
1998	President of the committee for installing a new procedure to share resources in the Faculty of Biology, University of Lausanne
1999	Member of the "Teaching Committee", University of Lausanne
1999	Member of an "Evaluation Committee of Scientific Research", CNRS
1999	Evaluation of a project of formation of a new Department of Research, INRA
2000	Member of two search committees for new Professors, University of Lausanne
2000	Member of the committee developing the scientific program of a new center of Genomics, University of Lausanne
2001	Member of a search committee for a "Maitre d'Enseignement et de Recherche", University of Lausanne
2001	Member of a search committee for a Professor, University of Zurich
2001	Member of a search committee for a Professor, University of Basel
2001-2004	Member of the steering committee of the new center of Genomics, University of Lausanne
2002	Member of a search committee for a Professor, University of Lausanne
2003-2004	Member of a search committee for five positions in the new Center of Genomics, University of Lausanne

2003	Member of the steering committee for the new Faculty of Biology and Medicine, University of Lausanne
2003	Member of the search committee for the Dean of the Faculty of Biology and Medicine, University of Lausanne
2003-2010	Member of the research council, Faculty of Biology and Medicine, University of Lausanne
2004-2005	Member of a search committee for a Professor, University of Fribourg
2005	President of a Promotion committee, University of Lausanne
2005	Member of a search committee for a Professor, University of Basel
2006	Member of a search committee for a Professor, Center of Integrative Genomics, University of Lausanne
2006	Member of a search committee for a Professor, Department of Ecology and Evolution, University of Lausanne
2007	Member of the committee to discuss how to integrate Biology in the Biology and Medicine Faculty
2007-	Member of the committee for the BIG (Biodiversity and Integrative Genomics) seminar, University of Lausanne
2007-2008	Member of a "Structure commission" and a "Nomination commission" for a Professor, University of Geneva
2007-2009	Member of the Scientific Executive Board of SystemsX.ch
2008	Member of a tenure committee, University of Lausanne
2008	Member of an AERES committee to assess the CNRS laboratory Evolution, Genome and Speciation, Paris Orsay
2009-	Member of a Swiss NSF panel attributing NSF Professor positions
2010	Member of a committee to discuss the organization of the new CSF/Medunil organisation

Competitive Grants

Grants from the Swiss National Science Foundation:

1990	<i>Factors Regulating Queen Number in the Fire Ant, Solenopsis invicta</i> , PI, 823A-26161, 24 months, 101'680 Frs
1992	<i>The Evolution of Social Organization: A Case Study Using the Fire Ant, Solenopsis invicta</i> , START grant (Swiss Talents for Academic Research and Teaching), 31-35584.92, 84 months, 666'965 Frs
1993	<i>The Evolution of Social Organization: A Case Study Using the Fire Ant, Solenopsis invicta</i> , 3100-036907.93, 46 months, 305'823 Frs
1994	<i>Evolution in Structured Populations</i> , Grant to cover the cost of a Workshop, 3101-041191.94, 3'000 Frs
1994	<i>The Evolution of Sex Ratios in Ants with Variable Genetic Structure</i> , 3100-040828.94, 12 months, PI, 65'656 Frs
1995	<i>Sex Ratio Variation in Ants: The Impact of Kinship and Ecological Factors</i> , 3100-043330.95, 60 months, 651'907 Frs
1996	<i>Determinants of Community Structure in Plants and Animals</i> , grant to cover the cost of a scientific meeting, 3101-046404.96, PI D. Meyer 4'100 Frs
1996	<i>Effect of a Founder Event on Genetic Diversity in the Fire Ant Solenopsis invicta</i> , 3100-049679.96, 60 months, co-PI K.G. Ross, 245'260 Frs
1998	<i>Testing Reproductive Skew Models Using Allodapine Bees</i> , 31-54001.98, 36 months, co-PIs M. Schwarz and K. Hogendoorn, 330'521 Frs
2000	<i>Sex Ratio Evolution in Ants: Testing Queen Replenishment and Local Resource competition</i> , 3100-063026, 18 months, 222'000 Frs
2002	<i>Caste Differentiation, Aging and the Dynamics of Conflict and Cooperation in Ant Colonies</i> , 31-67025, 60 months, 1'370'000 Frs
2003	<i>Evolution of Cooperation and Division of Labour in Artificial Ants</i> , 3152A0-100476, 50 months 410'153 Frs
2007	<i>Determinants of Social Organisation in Ant Colonies</i> , 3100AO-118194, 36 months, 834'000 Frs
2007	<i>Evolution of Communication in Robot Colonies</i> , 3152A0-100476, 36 months, 549'000 Frs

2009	<i>Population Genomics</i> ProDoc training module PDAMP3_126393 11, 36 months, PI I. Sanders, 482'396 Frs
2010	<i>Population Genomic Survey of Genes influencing Fitness in a Hybrid Zone of Fire Ants</i> ProDoc research module PDFMP3_130313, 36 months, 202'336 Frs

Other competitive grants

1984	Georgine Claraz Foundation, <i>Reproductive Strategy of the Argentine Ant</i> , 3'500 Frs
1984	"Société Académique Vaudoise" Foundation, <i>Queen Number and Reproductive Structure of the Argentine Ant</i> , 4'000 Frs
1985	Univ. of Lausanne Research Foundation, <i>Reproductive Tactics in the Argentine Ant</i> , 13'800 Frs
1986	French Section of the International Union for the Study of Social Insects, travel grant, <i>Regulation of Queen Number in Argentine Ant</i> , 500 Frs
1987	"Vaudoise" Entomological Society, <i>Energetics of Reproduction in Ants</i> , 500 Frs
1988	Subside from the "Société Académique Vaudoise" 18th Congrès International of Entomology, Vancouver, 950 Frs
1988	Private Funding to cover PhD research costs, 3'000 Frs
1988	French Section of the International Union for the Study of Social Insects, travel grant, 800 Frs
1989	Univ. of Lausanne Research Foundation, <i>Mating System of the Argentine Ant</i> , 3'750 Frs
1989	French Minister of Technology, <i>The Biology of Pest Ants</i> , Co-PI Luc Passera, 3'000 Frs
1990	Janggen-Pöhn-Foundation, <i>Alternative Reproductive Structure in the Fire Ant</i> , 5'000 Frs
1990	Grant from the French Minister of Research and Technology (in collaboration with other European Laboratories (Toulouse, Marseilles, Paris, Bruxelles), 20'000 FF
1993	Travel grant by the Swiss Academy of Natural Sciences, <i>Genetics of Fire Ants in South America</i> , 6'900 Frs
1993	Travel grant from the Association for the Study of Animal Behaviour, Annual Winter Meeting, London, 600 Frs
1993	Special grant from the Faculty of Sciences, University of Lausanne, 50'000 Frs
1994	Grant from the "Société Vaudoise des Sciences Naturelles", (Fonds Agassiz), <i>Sex Ratio in the Ant Formica exsecta</i> , 2'810 Frs
1994	Univ. of Lausanne "Research Foundation, 450e", <i>Conflict and Cooperation in Colonies of the Argentine Ant</i> , 3'000 Frs
1996	Univ. of Lausanne-Swiss Federal Institute of Technology (Lausanne) Collaborative Research Projects, <i>Khepera Ants. Collective Intelligence and Dynamics of Division of Labour</i> , 112'510 Frs
1997	MAE Research grants from France for collaborations between France and Switzerland, <i>Study of Reproductive Strategies in Ants</i> , 45'000 FF
1997	US National Science Foundation DEB 9707331 <i>Effect of a Founder Event on Genetic Diversity in the Fire ant Solenopsis invicta</i> , co-PI K.G. Ross, 135'000 Fs
1997	University of Lausanne publication grants, 4'800 Frs
1998	Travel grant by the Swiss Academy of Natural Sciences, <i>Genetic Diversity in the Fire Ant Solenopsis invicta</i> , 5'700 Frs
1999	Research grant from the Balbona Bioenvironmental Center, 5'000 Frs
1999	Australian National Science Foundation <i>Testing Reproductive Skew Models Using Allodapine Bee</i> , 19942063, 36 months, co-PIs M. Schwarz and K. Hogendoorn, 240'363 Frs
1999	Research grant from the AETAS foundation, <i>Testing Genes Implicated in Aging in a System with a Naturally Selected Variation of Lifespan</i> , 80'000 Frs
2000	EU Research Training Network (Coordinator J.J. Boomsma) <i>Integrated Studies of the Economics of Insect Societies</i> , 2'453'000 Frs (contribution to our laboratory, ca. 360'000 Frs)
2000	Univ. of Lausanne Research Foundation, 450e to cover the cost of a meeting entitled <i>Social Systems and Genetic Structures</i> , 2'000 Frs
2000	Leenards Research Award, <i>Testing Theories of Aging in a System with Tremendous Variation in Lifespan</i> , 350'000 Frs
2000	Société Académique Vaudoise, Research Grant, 12'000 Frs

2000	Herbette Foundation Grant to support Prof. L. Passera's sabbatical visit, 12'000 Frs
2000	Roche Research Foundation, <i>Study of the Genetic and Behavioural Relationship of European Populations the Ant Linepithema humile</i> , 6'000 Frs
2001	Herbette Foundation Grant, 13'600 Frs
2001	Univ. of Lausanne-Swiss Federal Institute of Technology (Lausanne) Collaborative Research Projects, <i>Evolution of cooperation and Labour Division in Artificial Ants</i> , Co-PIs D. Floreano and R. Siegwart, 80'000 Frs
2002	Ministère de l'Aménagement du Territoire et de l'Environnement Français, Projets Ecosystèmes Tropicaux <i>Genetics of Colonies and Populations of Wasmania auropuncta</i> , Co-PIs A. Estoup and A. Dejean, 670'000 FF
2002	Univ. of Lausanne special grant for genomics (Genomics ; intraspecific interactions), 300'000 Frs
2003	Herbette Foundation Grant to contribute to the development of a fire ant microarray, 30'000 Frs
2004	Univ. of Lausanne special grant for developing an ant microarray, 60'000 Frs
2004	Chuard-Schmid Foundation ,subside for developing an ant microarray, 20'000 Frs
2004	Rub Foundation, subside for developing an ant microarray, 10'000 Frs
2004	Agassiz Foundation, subside for developing an ant microarray, 15'000 Frs
2004	Herbette Foundation Grant to contribute to research on fire ant genomics, 25'000 Frs
2004	NIH (NHGRI) grant to establish a BAC library for the fire ant <i>Solenopsis invicta</i> (with 8 co-PIs)
2005	Faculty of Biology and Medicine special inter-disciplinary research project <i>Kin recognition and differential gene expression in Arabidopsis thaliana</i> , Co-PI Philippe Reymond, 200'000 Frs
2006	Univ. of Lausanne special grant for genomics (Genomics and Interactions), 200'000 Frs
2006	Loterie Romande, Grant to support a project to provide ant colonies to classes of the Canton de Vaud, 10'000 Frs
2006	Herbette Foundation Grant to buy a BAC library, 26'000 Frs
2007	EU Network of excellence "Integrating Research into Development and Aging", together with 19 other European laboratories, coordinator, Rudy Westendorp, 10'000'000 € (contribution to our laboratory, 360'000 € plus competitive funds available to all members), five years
2007	EU Cordis grant "Integrating Cooperation Research across Europe" FP6-2005-Nest-Path for "What it Means to be Human" 1'200'000€ (to be shared between 26 laboratories)
2007	Indo Swiss Bilateral Research Initiative, 2'500 Frs
2007	Roche Research Foundation, <i>Evolution of caste specific gene expression in the fire ants Solenopsis invicta, S. richteri and in their hybrids</i> , 63'000 Frs
2009	Infectigen Foundation, <i>Ultra-high throughput sequencing for discovery and characterization of viral genomes in fire ants</i> , 100'000 Frs
2009	Faculty of Biology and Medicine special inter-disciplinary research project <i>Genome-wide study of transmission distortion</i> , Co-PI Alexandre Reymond, 200'000 Frs
2010	European Research Council Advanced Grant, <i>Social Life</i> 249375, 2'497'500 €

Organization of Meetings/Symposia

1989	Annual Meeting of the French Section of the International Union of the Study of Social Insects, Le Brassus (with D. Cherix)
1990	Symposium entitled "Evolution and significance of polygyny in social insects" during the 11th Meeting of the International Union for the Study of Social Insects, Bangalore
1994	Symposium entitled "Intracolony conflicts. Ultimate factors" during the 12th Meeting of the International Union of the Study of Social Insects, Paris (with J. Herbers)
1994	Workshop entitled "Evolution in Structured Populations" at the Institute of Zoology and Animal Ecology, University of Lausanne (with J. Goudet and N. Perrin)
1995	Workshop entitled "Biology and Economics" during the annual meeting of the Swiss Academy of Sciences, St-Gall
1996	Workshop entitled "Cooperation and Conflict" within the framework of the "3e Cycle Romand of Biological Sciences", La Sage (with N. Perrin). Invited speakers: David Haig, John Maynard Smith, Geoff Parker, Anne Pusey, Francis Ratnieks, Eors Szathmary

1997	Public Conferences Cycle (Faculty of Sciences, University of Lausanne) on the theme "Sex". Invited speakers: Frank Cézilly, François Renaud and Pierre-Henry Gouyon
1997	Symposium entitled "Cooperation and Conflict in Animal Societies" during the International Congress of the European Society for Evolutionary Biology, Arnhem (with J. Heinze)
1999	Member of the Scientific Committee "5th European Conference on Artificial Life, the 1999 International EPFL-Latsis Foundation Conference", 13-17 September, Swiss Federal Institute of Technology, Lausanne
1999	Workshop entitled "Relatedness: concept, measure and evolutionary implications" within the framework of the "3e Cycle Romand of Biological Sciences", La Sage (with J. Goudet and N. Perrin). Invited speakers: Steve Frank, Dave Queller, François Rousset, Jon Seger and Mike Wade
2000	22e Annual Meeting of the Association for the study of Biology and Population Genetics, Dijon, with J. Goudet and N. Perrin, Frank Cézilly, Marie-Jeanne Perrot-Minot and Sandrine Trouvé)
2000	Workshop entitled "Social Systems and Genetic Structures" within the framework of the "3e Cycle Romand of Biological Sciences", La Sage (with J. Goudet and N. Perrin)
2001	Symposium entitled "Sociality and Population Genetics" during the International Congress of the European Society for Evolutionary Biology, Aarhus (with L. Sundström, J. Goudet and N. Perrin)
2001	Workshop entitled "Evolutionary and Ecological Genomics", within the framework of the "3e Cycle Romand of Biological Sciences", University of Lausanne (with Y. Poirier, P. Reymond, J. Goudet, N. Perrin, I. Sanders and J.P. Zryd)
2002	Workshop entitled "Evolutionary and Ecological Genomics", within the framework of the "3e Cycle Romand of Biological Sciences", University of Lausanne (with P. Reymond)
2003	Workshop entitled "Lausanne Genomics days", within the framework of the "3e Cycle Romand of Biological Sciences", University of Lausanne (with O. Hagenbüchle and P. Reymond)
2003	Member of the Scientific Committee 5 th International Workshop "Information Processing in Cells and Tissues (IPCAT2003)", September 8 - 11, 2003, Swiss Federal Institute of Technology, Lausanne
2003	Workshop entitled "Social Insect Genomics", within the framework of the INSECT EU network, University of Lausanne (with R. Hammond)
2004	Workshop entitled "Lausanne Genomics days", within the framework of the "3e Cycle Romand of Biological Sciences", University of Lausanne (with O. Hagenbüchle and P. Reymond)
2005	Workshop entitled "Lausanne Genomics days", within the framework of the "3e Cycle Romand of Biological Sciences", University of Lausanne (with O. Hagenbüchle and P. Reymond)
2006	Symposium entitled "The Nature of Human Cooperation", University of Lausanne (with Michel Chapuisat, Jacques Dubochet, Jérôme Goudet and Nicolas Perrin)
2006	Symposium entitled "Gene and Gene Networks underlying Social Biology and Behavior" during the International Congress of the International Union for the Study of Social Insects, Washington DC (with John Wang and Guy Bloch)
2006	Workshop entitled "Lausanne Genomics days", within the framework of the "3e Cycle Romand of Biological Sciences", University of Lausanne (with O. Hagenbüchle and P. Reymond)
2006	Member of the Program committee "9th European Conference on Artificial Life, From Animals to Animates", 25-30 September, CNR Roma
2007	Workshop entitled "Genes, Genomes and Evolution", within the framework of the "3e Cycle Romand of Biological Sciences", Villars (with O. Hagenbüchle, H. Kaessman, X. Perret and A. Reymond)
2007	Workshop entitled "Lausanne Genomics days", within the framework of the "3e Cycle Romand of Biological Sciences", University of Lausanne (with O. Hagenbüchle and P. Reymond)
2008	Symposium entitled "Aging: linking evolution with mechanisms" within the framework of the "3e Cycle Romand of Biological Sciences", Fribourg (with Tadeuz Kawecki and Fritz Mueller)
2008	European Meeting of the International Union for the Study of Social Insects, Roche-En-Ardenne, member of the program committee
2008	Workshop entitled "Lausanne Genomics days", within the framework of the "3e Cycle Romand of Biological Sciences", University of Lausanne (with O. Hagenbüchle and P. Reymond)
2009	Symposium entitled "Evolution and Medicine" for the general public (200 years Darwin), Hospital and University of Lausanne, (with Tadeuz Kawecki)
2009	Member of the program Committee for the Swarm Cognition Workshop, Annual Meeting of the Cognitive Science Society, Amsterdam

2009	Member of the program Committee on Social Learning Agents, 10 th European conference on Artificial Life, Budapest
2010	Workshop entitled "Lausanne Genomics days", within the framework of the "3e Cycle Romand of Biological Sciences", University of Lausanne (with O. Hagenbüchle and P. Reymond)

Invited Seminars

1986	University of Paul-Sabatier, Toulouse, Department of Entomology
1990	University of Bern, Institute of Zoology
1990	University of Zurich, Institute of Zoology
1990	Harvard University, Department of Organismic Biology
1991	University of Madison, Wisconsin, Department of Entomology
1991	University of California, Berkeley, Department of Entomology
1991	University of California, Davis, Department of Entomology
1992	University of Geneva
1992	Rice University, Department of Ecology and Evolutionary Biology
1992	Harvard University, Population Biology Seminars
1992	University of Fribourg, Institute of Zoology
1992	University of Bern, Section Ethology
1992	University of Würzburg, Theodor-Boveri Institut
1992	University of Paul-Sabatier, Toulouse, Department of Behavioural Ecology
1993	University of Lausanne, Institute of Zoology and Animal Ecology
1993	University of Paris-Sud XI, Department of Evolution and Plant Systematics
1993	University of Paris-Nord, Department of Experimental and Comparative Ethology
1993	University of Basel, Institute of Zoology
1993	University of Sheffield Special Symposium on the Biology of Spermatozoa
1993	University of Fribourg, Faculty of Sciences
1993	Max-Plank Institut für Verhaltensphysiologie, Seewiesen
1993	Oxford University, Department of Zoology
1993	University of Cambridge, Department of Zoology
1993	University Imperial College at Silwood Park, Department of Biology
1994	University of Helsinki, Department of Zoology
1994	University of Zurich, Institute of Zoology
1994	Special Symposium on the Evolution of Colony Characteristics in Social Insects, Tvärminne Zoological Station
1994	University of Neuchâtel, Institute of Zoology
1994	Harvard University, Department of Organismic Biology
1994	University of Lausanne, Faculty of Sciences
1995	University of Zurich, Institute of Zoology
1995	University of Lausanne, Institute of Zoology and Animal Ecology
1995	Technische University of Berlin, Biology Institute
1995	University of Zurich, Biodiversity seminars
1995	Museum of Zoology, Lausanne
1995	University of Lausanne, Faculty of Sciences
1995	Cornell University, Department of Neurobiology and Behavior
1996	University of Bern, Institute of Zoology
1996	University of Zurich, Institute of Zoology
1996	University of Lausanne, Institute of Zoology and Animal Ecology
1996	University of Texas, Austin, Department of Zoology

1996	University of Georgia, Athens, Department of Ecology
1996	University of Pierre and Marie Curie, Laboratory of Ecology
1996	"Sciences et Citoyens" Meeting organised by the CNRS, Poitiers (Theme: can Biology explain the Society?)
1997	University of Bern, Institute of Zoology
1998	Confederation of European Pest Control Association, Geneva
1998	University of Montpellier., Center of Functional Ecology and Evolution
1998	University of Konstanz, Institute of Ethology
1998	University of Lausanne, General conference for the public
1998	University of Bern, Institute of Zoology
1998	Center of Applied Ecology of the Littoral, Corrientes
1998	University of Lausanne and Federal Institute of Technology, Lausanne, Association "Vaudoise" of researchers in physics
1999	University of Lausanne, General conference for the public
1999	University of Lyon, Department of Life Sciences
1999	University of François Rabelais, Tours, Institute of Research on the Biology of Insects
2000	National Academy of Sciences, Wien, Konrad Lorenz-Institut für Vergleichende Verhaltensforschung
2000	Harvard University, Museum of Comparative Zoology
2000	ISREC (Swiss Institute for Experimental on Research on Cancer), Institute Ludwig and University of Lausanne (Institute of Biochemistry) common seminars, Epalinges
2000	University of Princeton, Department of Molecular Biology and Department of Physics
2000	University of Basel, Institute of Botany
2001	University of Fribourg, Department of Physics
2001	ETH Zurich, Department of Computational Sciences
2001	University of Fribourg, Institute of Zoology
2001	University of Uppsala, Department of Animal Ecology
2001	University of Zurich, Institute of Zoology
2001	Max Planck Institute for Evolutionary Anthropology, Leipzig
2001	University of Montpellier II, CEFE
2001	University of Fribourg, interactive seminars, Department of Biology
2001	University of Amsterdam (Netherlands), Seminars on Ecology and Evolution
2002	University of Calgary, Distinguished Lecture Series, Institute of Biochemistry and Molecular Biology
2002	University of Geneva, Academic Thursday, Faculty of Medicine
2002	University of Rockefeller
2002	University of Edinburgh, Institute of Cell, Animal and Population Biology
2002	University of Cambridge, Institute of Zoology
2002	Max-Planck Institute für Entwicklungsbiologie, Tübingen
2003	Centre Hospitalier Universitaire Vaudois (CHUV), Transbugnon Research Conferences
2003	University of Geneva, Seminars in Cellular and Molecular Biology
2003	University Libre of Bruxelles
2004	University of Bern, Department of Ecology and Evolution
2004	ISREC (Swiss Institute for Experimental on Research on Cancer) guest lecture during an off-site day
2004	University of Lausanne, Biodiversity and Genomic Interactions Seminar
2004	University of Bern, Department of Plant Sciences
2005	University of Lyon, Department of Life Sciences
2005	University of Regensburg, Department of Biology
2005	University of Lausanne, Department of Ecology and Evolution
2005	University of Copenhagen, Department of Population Ecology

2005	Paris Interdisciplinary College, Cochin-Port-Royal Medicine Faculty) (Opening Seminar)
2006	University College London, Center for Ecology and Evolution (CEE)
2006	University of Oxford, Department of Zoology
2006	Jacques-Monod Institute, Paris
2006	University of Geneva, Department of Plant Sciences
2007	University of Cambridge, Department of Zoology
2007	University of Copenhagen, Department of Population Ecology
2007	University of Georgia, Department of Entomology
2007	EPFL, Global Health Institute
2008	University of Rockefeller
2008	University of Tübingen, EvE Hilgendorf Lecture Series
2008	EAWAG, University of Bern, Department of Ecology and Evolution
2009	University of Zurich, Special Evolution Seminars for Darwin's year
2009	Weizmann Institute, Life Science Colloquium
2009	North Carolina State University, Distinguished Seminar Speaker series of the W. M. Keck Center for Behavioral Biology
2009	University of Toronto, Department of Ecology and Evolutionary Biology
2009	Stony Brook University, Department of Ecology and Evolutionary Biology
2009	Institute for Advanced Studies at Princeton
2009	Penn State University, Department of Entomology
2009	Cornell University, Department of Molecular Biology and Genetics
2009	Rochester University, Department of Biology
2010	Center for Astrobiology, Madrid

Talks for General Audience and Lay Public (Representative Choice)

1989	Society "Vaudoise" of Entomology, Lausanne
1995	Society "Neuchâteloise" of Natural History
1995	Society "Vaudoise" of Natural History, Lausanne
1996	Swiss Association of Managers, Geneva
1996	"Sciences et Citoyens" Meeting organized by the CNRS, Poitiers (Theme: can Biology explain the Society?)
1997	University of Lausanne, general conference for the public
1998	Confederation of European Pest Control Association, Geneva
1998	University of Montpellier., Center of Functional Ecology and Evolution
1999	University of Lausanne, General conference for the public
1999	Library of France, Paris, debate on the theme "The Man and origin of life", Conference organized jointly with the scientific magazine <i>La Recherche</i>
2000	Society "Vaudoise" of Natural History and Groups for Biological Research
2004	The "Festival des Sciences", Chamonix, invited speaker
2005	Festival "Sciences-Cité" Cognitive issues, from Animals to Humans, invited speaker
2005	Connaissance 3, General Lectures for the public of Canton de Vaud
2006	University of Lausanne, Special Conferences for Guests of the Swiss Post
2006	University of Lausanne, General conference for the public
2006	University of Lausanne, Interdisciplinary Seminars on "Cooperation"
2006	Geneva Hospital, Department of Internal Medicine
2007	"Cours Public" University of Lausanne on the theme "Can the Human Species be Improved"
2007	Special talk for undergraduate students "What does it mean to do a PhD"
2007	Ornithology Society Yverdon-Les-Bains

2007	University of Neuchatel, seminars for elderly people
2007	Salon du livre Geneva, general talk about ant social organization
2007	Semaine de la Mobilité, Lausanne, talks about ant foraging strategies for the "Business Mobility Forum"
2007	Forum "Movimento for mobility", SwissPost
2010	Fondation Suisse d'Etudes, Nyon

Presentation of Talks at Meetings

1984	Annual Meeting of the French Section of the International Union for the Study of Social Insects, Diepenbeck
1985	Annual Meeting of the Swiss Entomological Society, Lausanne
1985	Annual Meeting of the French Society for the Study of Animal Behaviour, Toulouse
1986	10th Meeting of the International Union for the Study of Social Insects, München
1987	Annual Meeting of the French Section of the International Union for the Study of Social Insects, Paimpont
1988	Annual Meeting of the French Society for the Study of Animal Behaviour, Lyon
1988	Annual Meeting of the Swiss Entomological Society, Geneva
1988	18th International Meeting of Entomology, Vancouver
1988	Annual Meeting of the British and French sections of the International Union for the Study of Social Insects, London
1989	"3eCycle Romand" of Biological Sciences, Lausanne
1989	Annual Meeting of the German Section of the International Union for the Study of Social Insects, Bern
1989	Annual Meeting of the French Section of the International Union for the Study of Social Insects, Le Brassus
1990	Annual Conference of the Swiss Zoological Society, Zurich
1990	11th Meeting of the International Union for the Study of Social Insects, Bangalore
1990	Annual Meeting of the Entomological Society of America, New Orleans
1991	Annual Conference of the Swiss Zoological Society, Neuchâtel
1991	1st European Meeting of the International Union for the Study of Social Insects, Leuven
1991	Annual Meeting of the Entomological Society of America, Reno
1992	Annual Conference of the Swiss Zoological Society, Geneva
1992	4th International Meeting of the Behavioural Ecology Society, Princeton
1993	Annual Conference of the Swiss Zoological Society, Bern
1993	4th International Congress of the European Society for Evolutionary Biology, Montpellier
1993	"Cycle Romand" of Biological Sciences, Bern
1993	Annual Winter Meeting of the Association for the Study of Animal Behaviour, London, invited speaker
1994	Annual Conference of the Swiss Zoological Society, Lausanne
1994	Annual Meeting of the Society for Study of Evolution, Athens GA
1994	Annual Summer Meeting of the Association for the Study of Animal Behaviour, Bern, invited speaker
1994	5th International Meeting of the Behavioural Ecology Society, Nottingham
1994	12th Meeting of the International Union for the Study of Social Insects, Paris, invited speaker
1994	Special Meeting "Evolution in Structured Populations", Lausanne
1995	24th International Ethological Conference, Honolulu, plenary lecture
1995	5th International Congress of the European Society for Evolutionary Biology, Edinburgh, invited speaker
1995	Annual Meeting of the Entomological Society of America, Las Vegas, plenary lecture
1996	Annual Conference of the Swiss Zoological Society, Fribourg
1996	5th International Congress of Systematics and Evolutionary Biology, Budapest, invited speaker
1997	Annual Meeting of the Society for Study of Evolution, Boulder, with Giorgina Bernasconi
1997	European Science Foundation workshop "Social Evolution in Vertebrates and Invertebrates: Common Principles and Idiosyncratic Differences", University of Sheffield, invited speaker

1997	French Meeting on "Microsatellites and Population Genetics", Paris, plenary lecture
1997	6th International Congress of the European Society for Evolutionary Biology, Arnhem, invited speaker
1997	European Community TMR Network "Workshop Behavioural Ecology", Würzburg, plenary lecture
1997	Deutsche Forschungsgemeinschaft Schwerpunktprogramm "Genetic analyses of social systems", Bonn, plenary lecture
1997	Dutch Society for Behavioural Biologists, Zwolle, plenary lecture
1997	Population Genetic Group Meeting, Nottingham, plenary lecture
1998	Santa Fe Institute Workshop "The Interplay of Ultimate Causes and Proximate Determinants of Animal Sociality", Santa Fe, plenary lecture
1998	Annual Conference of the Swiss Zoological and Botanical Societies, Geneva
1998	International Meeting "The Mathematical Biology of Pattern and Progress", Bath, plenary lecture
1998	CNRS Conference Jacques Monod "The Evolutionary Theory at the Dawn of the Millennium", Roscoff, plenary lecture
1998	13th Meeting of the International Union for the Study of Social Insects, Adelaide, invited lecture
1999	Workshop "Cooperation and Conflict in Evolution" sponsored by The Center for Ecology and Evolution (CEE, University College London) and the Center for Population Biology (Silwood Park, Imperial College), London, plenary lecture
1999	Annual Meeting of the French Section of the International Union for the Study of Social Insects, Tours, plenary lecture
1999	Annual Meeting of the German Section of the International Union for the Study of Social Insects, Hohenheim, plenary lecture
1999	International Day of Older Persons "The Mysteries of Longevity: From Animals to Man" organized by the Geneva International Network on Ageing (GINAI) and OMS, Geneva, plenary lecture
1999	Special workshop "Aging: toward understanding the secret of centenarians", Hospital of Cery, Lausanne-Prilly, invited lecture
1999	Conferences of the sections V and VI of the Swiss Academy of Sciences "New trends in biological sciences", Bern, plenary lecture
2000	International Workshop "Reproductive skew", Cornell, Ithaca, plenary lecture
2000	EU TMR Network "Social Evolution" concluding workshop, Firenze, invited lecture
2000	8th International Meeting of the Behavioural Ecology Society, Zürich, plenary lecture
2000	Workshop "Evolutionary Ecology of Sex", Groningen, plenary lecture
2001	EU TMR Network "Social Evolution" workshop, Granada, overview lecture as group leader in the EU funded project
2001	Workshop "Principles of Social Evolution", Wissenschaftskolleg Berlin, plenary lecture
2001	Symposium on the "Use of DNA Microarray in Evolutionary Biology", Bern invited lecture (given by my co-author Joel Parker)
2001	8th International Congress of the European Society for Evolutionary Biology, Aarhus, invited speaker
2002	Annual Conference of the Swiss Botanical and Zoological Societies, Bern, Darwin Birthday's keynote address
2002	Research Workshop on Aging, University of Geneva, invited lecture
2002	Workshop "Collective Intelligence Seminar", University of Fribourg, invited lecture
2002	Dahlem Workshop on "Genetic and Cultural Evolution of Cooperation", Berlin, invited contributor
2002	14th Meeting of the International Union for the Study of Social Insects, Sapporo, invited talk
2002	Life Science and Society (meeting organised for the 50 years of the Swiss NSF)
2003	Annual Symposium, Institute of Biology, Leiden "Progress in Evolution: from Molecules to Communities", keynote address
2003	EU TMR Network "Insect" workshop, Laufen, overview lecture as a project leader in the EU funded project
2003	12 th Arolla Workshop "Growth Control in Development and Disease", invited lecture
2003	EU Workshop "Exploring the Continuum of Development and Ageing: a Key Biomedical Challenge in Changing World", Bruxelles, invited participant

2004	D-Day, Research workshop day organized by the graduate students of the Faculty of Biology and Medicine, University of Lausanne, plenary talk
2004	American Society of Microbiology Conference on "Cell-Cell Communication in Bacteria", Banff, plenary lecture
2004	Final symposium for the EU TMR Network "Insect", Helsingoer, overview lecture as a project leader
2004	EU meeting ECAgents, Rome, as a participant to the EU project
2004	Journées Scientifiques of the Ecole Normale Supérieure de Paris, invited guest
2005	Center for Nonlinear Studies Workshop "Collective Information and Specialization in Collective Systems", Los Alamos National Laboratories, Santa Fe, invited speaker
2005	Gordon conference on "Evolutionary and Ecological Functional Genomics", Oxford, invited speaker
2005	10th International Congress of the European Society for Evolutionary Biology, Krakow, invited speaker
2005	EMBO Workshop on Principles of Self-Organization in Living Matter, Heidelberg, invited speaker
2005	Inaugural Meeting « Paris Interdisciplinary College (PIC) », invited speaker
2005	Workshop "Innovation in Biological Systems: Mechanisms, Evolution, and Consequences", Institut des Hautes Études Scientifiques, Bures-sur-Yvette, invited speaker
2006	Symposium "Conflict and Cooperation: the Evolution of Social Interactions", Harvard, invited speaker
2006	15th Meeting of the International Union for the Study of Social Insects, Washington, invited speaker
2006	Second Congress of the Italian Evolutionary Biology Society, Florence, keynote address
2006	Meeting 3eme cycles "Evolutionary Mechanisms underlying Social Interactions", Bern, invited speaker
2007	Annual Ph.D. student meeting by the National Center of Competence in Research "Plant Survival", Neuchatel, invited speaker
2007	Annual Meeting of the French Section of the International Union for the Study of Social Insects, Toulouse, plenary lecture
2007	British Ecological Society, Glasgow, "The Evolutionary Ecology of Aging", invited speaker
2008	Gordon conference on "Genes and Behavior", Il Ciocco, Barga, invited speaker
2008	Meeting of the Union of Swiss Societies for Experimental Biology (USGEB) "New Landscapes for the Life Sciences: Biology meets Engineering", Lausanne EPFL, plenary lecture
2008	Fourth European Meeting of the International Union for the Study of Social Insects, Bruxelles, plenary lecture
2008	Programme Gulbenkian Champalimaud Neuroscience (PGCN) graduate course symposium, Lisbon, invited speaker
2008	Symposium "Genetics and Genomics of Behavior", American Genetic Association, Raleigh, invited speaker
2008	Symposium "Lausanne Genomics Days", invited speaker
2008	ESF Meeting "The extended phenotype", Copenhagen, invited participant
2008	Ultra High Throughput Sequencing 2 nd Meeting, Lausanne, invited speaker
2009	EU network of Excellence "Lifespan", annual meeting Leiden, invited speaker
2009	Royal Society Discussion Meeting "The Evolution of Society", London, invited speaker
2009	Evolution meeting, Institute of Advanced Studies, Hebrew University, Jerusalem, invited speaker
2009	COLOSS workshop "New Molecular Tools", Cost Action, Liebefeld, plenary talk
2009	10 th Invertebrate Neurobiology Club Meeting, Dijon, plenary speaker
2010	Label FBM, Lausanne, invited talk,
2010	3rd National Ecogenomics Day, Netherlands Ecogenomics Research Organisation (NERO), Amsterdam, keynote speaker
2010	Incore Meeting "Cooperation: An Interdisciplinary Dialogue", Budapest, keynote speaker
2010	Evolutionary Biology Symposium, Graduate Program in Evolution, Ecology and Systematics (EES-LMU) and the Volkswagen Foundation, Frauenchiemsee, main speaker

Teaching Experience

Courses given on a regular basis

1996-2001	General Ecology (undergraduates), University of Lausanne
1996-2000	Population Biology (undergraduates), University of Lausanne
1996-2000	Theoretical Ecology (undergraduates), University of Lausanne
1996-2000	Seminar course in Ecology (undergraduates), University of Lausanne
1996-2000	Seminar course in Zoology and Botany (graduates), University of Lausanne
1996-2000	Supervision of three laboratory courses (Population Biology, Theoretical Ecology, and Zoology) (undergraduates), University of Lausanne
1999-2002	Sampling methods and data analysis (graduates), Universities of Lausanne, Geneva, Neuchâtel, Fribourg and Bern
Since 1997	Bachelor course "Experimental Design", University of Lausanne
2000-2007	Master course "Evolutionary Mechanisms", University of Lausanne
Since 2001	Participation to the organization of a seminar course in Ecology and Evolution
Since 2001	Bachelor course "Evolution", University of Lausanne
2007-	Master course, "The Major Transitions in Evolution", University of Lausanne
2010-	Participation to a Bachelor course "Evolutive Mechanisms"

Courses given on a non-regular basis

1983-1986	Laboratory course in Zoology, (undergraduates) University of Lausanne
1985-1989	Laboratory course in Entomology, (undergraduates) University of Lausanne
1993-1996	Student seminars at Bern and Lausanne Universities (undergraduates and graduates), participation to the organization
1994-1996	Evolutionary Ecology, (undergraduates), University of Lausanne
1996-1997	Environmental sciences, (master students), Federal Institute of Technology, Lausanne, participation to teaching
1996	Cellular Networks, (master students), Federal Institute of Technology, Lausanne, participation to teaching
1997	Informatics and Biology: from Models to their Applications, (master students), Federal Institute of Technology, Lausanne, participation to teaching
1997	Genetic Systems and Programming, (master students), Federal Institute of Technology, Lausanne, participation to teaching
1998	Course of Tropical Biology (organised by the Tropical Biology Association), Amani, Tanzania, 1-28 September
1999	Insects, architecture and arts, Federal Institute of Technology, Lausanne, participation to teaching
2000	Aging: The Secret of Centenaries, (courses for adult education), participation to teaching
2000	School on "ADN Microsatellites" organized by the CNRS and INRA, La Grande Motte, participation to teaching
2000	Biomedical Ethics. Contribution to a seminar entitled "Sociobiology: Genetics and Behaviour", University of Lausanne
2000	"Social Evolution" general course (undergraduates), University of Lausanne
2004	DEA "The individual: Philosophy, Epistemology and Ethics", University of Geneva, participation to teaching
2004	Module "Genes and Behaviour", Certificat of Neurosciences, University of Geneva, participation to teaching
2005	Project Determinisms (Innate and Acquired Components in the Constitution of Individuals), Presentation on "Natural Basis of Ethics"
2007	Special Graduate Course for the Ecology and Evolution Doctoral School for French speaking Universities on "How to write a scientific paper"
2008	Special Graduate Course for the NCCR Plant Survival, Neuchâtel "How to write a scientific paper"

Habilitation and Theses Committees, University of Lausanne: 22**Habilitation and Theses Committees (out of Lausanne University)**

1996	Thesis committee of Else Juliette Fjerdingstad, University of Aarhus
1997	Thesis committee of Laura Walin, University of Helsinki
1997	Thesis committee of Steffi Knoll, University of Neuchâtel
1997	Thesis committee of Peter Jann, University of Zürich
1998	Thesis committee of Rachel A. Allan, University of Melbourne
1998	Thesis committee of Laurence Gaume, University of Montpellier
1998	Thesis committee of Wee Tek Tay, La Trobe University
1999	Thesis committee of Tom Little, University of Basel
1999	Thesis committee of Pierre Frank, University of Montpellier
2001	Thesis committee of Anne Tsitrone, University of Montpellier
2002	Thesis committee of Minttumaaria Hannonen, University of Helsinki
2003	Habilitation committee Frédéric Fleury, University Claude Bernard Lyon
2003	Thesis committee of Ambroise Dalecki, University of Montpellier
2005	Thesis committee of Michiel Dijkstra, University of Copenhagen
2006	Thesis committee of Ellen Van Wilgenburg, University of Melbourne
2007	Thesis committee of Daniel J. C. Kronauer, University of Copenhagen
2007	Thesis committee of Juliette Pons, University of Fribourg
2009	Thesis committee of Benjamin Houot, University of Dijon

Master Students Currently Supervised

2009-	Susana Figueiredo Pinto
2009-	Simon Gingins

Graduate Students Currently Supervised

2006-	Mingkwon Nipitwattanaphon, supported by a grant from the Thai government
2006-	Danielle Mersch, supported by a special grant from the Faculty of Biology and Medicine, University of Lausanne
2007-	Romain Libbrecht, supported by the University of Lausanne
2008-	Thibault Lengronne, supported by the Swiss NSF
2009-	Pawel Lichocki, co-direction with Prof. Dario Floreano EPFL, supported by the Swiss NSF

Post-Doctorals Currently Supervised

2003-	John Wang, supported by Swiss NSF, University of Lausanne
2006-	Morgan Percy, supported by an EMBO fellowship
2006-	Christophe Lucas, supported by the University of Lausanne
2007-	Steffen Wishmann, supported by the Swiss NSF
2007-	Miguel Corona, supported by a EU Network of Excellence
2007-	Michiel B. Dijkstra, supported by a EU Marie Curie grant
2009-	Philip Newey, supported by the Swiss NSF
2010-	Yannick Wurm, supported by Swiss NSF

Master Students Previously Supervised

1995-1997	Christina Wai Ying Chang, Currently Senior technician, University of Konstanz
1998-2000	Hervé Rosset. Completed a PhD at the University of Lausanne

1999	Denis Fournier. Currently Lecturer at the University of Bruxelles
2000-2001	Stéphanie Jemielity. Currently Post-Doctoral at Children's Hospital, Boston
2001-2002	Valérie Vogel. Currently Post-Doctoral at the CHUV, Lausanne
2002-2003	Nadia Bruyndonckx. Currently Graduate Student at the University of Lausanne
2003-2004	Julie Jaquieri. Completed a PhD at the University of Lausanne
2003-2004	Céline Ohayon. Currently Museum assistant at Nestlé
2004-2005	Stephanie Dreier. Obtained a PhD at the University of Copenhagen
2004-2005	Johannes Gräff. Currently Post-Doctoral at MIT
2005-2006	Dominique Vuille
2005-2006	Jean-Yves Humbert. Currently Graduate Student at the ETHZ
2006-2006	Danielle Mersch (during her studies at the Ecole Normale). Currently Graduate Student at the University of Lausanne
2007-2008	Lucille Chapuis
2008-2009	Gabriel Cisarovsky. Currently Graduate Student at the ETHZ
2008-2009	Séverine Buechel. Currently Graduate Student at the ETHZ

Graduate Students Previously Supervised

1993-1997	Giorgina Bernasconi. Currently Professor at the University of Neuchatel
1993-1998	Michael J. B. Krieger. Currently Chief Scientific Officer in the start-up Group Advance Consulting GmbH
1997-2002	Cathy Liautard. Currently labmanager, University of Fribourg
1997-2002	Max Reuter. Received a Faculty Prize for the excellence of his PhD. Currently Lecturer at University College London
1997-2002	Drude Molbo. Currently staff member, Department of Social Medicine, Copenhagen University
1998-2003	Philipp Langer. Currently Research Adviser, State Secretariat for Education and Research (SER)
2000-2001	Magda Konior. Supervised during 1-year. Currently Post-doctoral the University of Jagiellonski, Krakow
2001-2006	Stéphanie Jemielity. Received a Faculty prize for the quality of her research. Currently Post-Doctoral at Children's Hospital, Boston
2001-2006	Rolf Kümmerli. Received a Faculty Prize for the excellence of his PhD. Currently Ambizione Researcher, ETHZ
2002-2008	Valérie Vogel. Currently Post-Doctoral, CHUV (Hospital, Lausanne)
2002-2008	Barbara Holzer. Currently Research Associate at Disentronic Medica Systems AG
2003-2007	Tanja Schwander. Received several prizes for his PhD, including the 2009 John Maynard Smith Prize awarded by the European Society of Evolutionary Biology. Currently Post-Doctoral at University of Groningen
2003-2007	Markus Waibel, co-direction with Prof. Dario Floreano. Currently Post-Doctoral at ETHZ
2004-2009	Danesh S. Tarapore, co-direction with Prof. Dario Floreano EPFL. Currently Post-Doctoral at the Instituto Gulbenkian de Ciência, Lisbon
2005-2009	Yannick Wurm. Currently Research Associate University of Lausanne
2006-2009	Sara Mitri, co-direction with Prof. Dario Floreano EPFL. Currently Post-Doctoral at Harvard University

Post-Doctorals Previously Supervised

1994-1995	Liselotte Sundström. Currently full Professor at the University of Helsinki
1996-1999	William D. Brown. Currently Associate Professor, State University of New York, Fredonia
1997-1999	Else J. Fjerdingstad. Currently Assistant Professor, Queens College, City University of New York
1998-2001	Jes Soe Pedersen. Currently Associate Professor, University of Copenhagen
1999-2000	Tatiana Giraud. Currently Research Director, CNRS, University of Paris-Sud
1999-2005	Joel D. Parker. Currently Lecturer, University of Southampton

2000-2001	Michel Chapuisat. Currently Maître d'Enseignement et de Recherche at the University of Lausanne
2000-2002	Ken R. Helms. Currently Research Assistant Professor, University of Vermont
2000-2004	Sara Cahan Helms. Currently Assistant Professor, University of Vermont
2001-2003	Andres Perez-Urbe. Currently Professor at the HES at Yverdon
2002-2003	Max Reuter. Currently Lecturer at University College London
2002-2006	Hélène Niculita. Currently Post-Doctoral, CHUV (Hospital, Lausanne)
2002-2006	Rob Hammond. Currently Lecturer, University of Hull
2003-2004	Paolo Uva. Currently Post-Doctoral at the University of Rome
2003-2004	Philipp Langer. Currently holding a fellowship from the "Fondation bourses politiques et sciences"
2004-2005	Virginie Ravigné. Currently Maître de Conférence (Lecturer), CIRAD et INRA, University of Montpellier
2004-2005	Julien Varaldi. Currently Maître de Conférence (Lecturer), University of Lyon
2004-2005	Denis Fournier. Currently Lecturer University of Bruxelles
2005-2009	Michael Nicolas, currently Post-Doctoral at the National Center of Biotechnology, Madrid
2006-2008	Frederic Masclaux, co-direction with Philippe Reymond. Currently researcher, CHUV (Hospital, Lausanne)
2008	Daniel J. C. Kronauer. Currently Junior Fellow, Harvard Society of Fellow
2006-2009	Lino Ometto. Currently Research group leader, Italy
2007-2009	Dietrich Gotzek. Currently Post-Doctoral, Smithsonian, Washington

Manuscripts and Books Reviewed (over 700) for:

<p><i>Academic Press</i> <i>Acta Ethologica</i> <i>Adaptive Behavior</i> <i>Aging Cell</i> <i>American Naturalist</i> <i>Animal Behaviour</i> <i>Annales Zoologici Fennici</i> <i>Apidologie</i> <i>Applied and Environmental Microbiology</i> <i>Austral Ecology</i> <i>Behavioral and Brain Sciences</i> <i>Behavioral Ecology</i> <i>Behavioral Ecology and Sociobiology</i> <i>Behaviour</i> <i>Behavioural Processes</i> <i>Biochemical Systematics and Ecology</i> <i>Biological Conservation</i> <i>Biological Invasions</i> <i>Biological Reviews</i> <i>Biology Letters</i> <i>BioScience</i> <i>Blackwell</i> <i>BMC Biology</i> <i>BMC Evolutionary Biology</i> <i>BMC Genomics</i> <i>Cambridge University Press</i> <i>Canadian Journal of Zoology</i> <i>Cell</i> <i>Conservation Biology</i> <i>Current Biology</i> <i>Ecography</i> <i>Ecological Entomology</i> <i>Ecological Research</i> <i>Ecology</i> <i>Ecology, Ethology & Evolution</i> <i>Ecology Letters</i> <i>Elsevier</i> <i>Ethology</i> <i>European Journal of Entomology</i> <i>Evolution</i> <i>Evolution and Development</i> <i>Evolutionary Ecology Research</i> <i>Experientia</i> <i>Experimental and Applied Acarology</i></p>	<p><i>Functional Ecology</i> <i>Genetica</i> <i>Genetics, Selection Evolution</i> <i>Genome Biology</i> <i>Harvard University Press</i> <i>Insect Molecular Biology</i> <i>Insectes Sociaux</i> <i>Journal of Applied Ecology</i> <i>Journal of Chemical Ecology</i> <i>Journal of Evolutionary Biology</i> <i>Journal of Experimental Biology</i> <i>Journal of Insect Behavior</i> <i>Journal of Insect Physiology</i> <i>Journal of Theoretical Biology</i> <i>Journal of Zoology</i> <i>Kluwer Academic Press</i> <i>Mechanisms of Ageing and Development</i> <i>Molecular Biology and Evolution</i> <i>Molecular Ecology</i> <i>Myrmecological News</i> <i>Nature</i> <i>Naturwissenschaften</i> <i>New Zealand Journal of Ecology</i> <i>Oecologia</i> <i>Oikos</i> <i>Oxford University Press, UK</i> <i>Oxford University Press, USA</i> <i>PlosComputationalBiology</i> <i>PlosBiology</i> <i>PlosOne</i> <i>PlosPathogen</i> <i>Princeton University Press</i> <i>Philosophical Transactions of the Royal Society, London</i> <i>Proceedings of the National Academy of Sciences, USA</i> <i>Proceedings of the Royal Society, London, B</i> <i>Physiological Entomology</i> <i>Schweizerische Entomologische Gesellschaft</i> <i>Science</i> <i>Springer Verlag</i> <i>The ISME Journal</i> <i>Theoretical Population Biology</i> <i>Trends in Ecology and Evolution</i> <i>Trends in Genetics</i></p>
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Grants, Fellowships Reviewed (over 100) for:

<p><i>ANR Agence Nationale de la Recherche, France</i> <i>Australian Research Council</i> <i>Austrian Science Fund</i> <i>BARD, the US-Israel Binational Agricultural Research & Development Fund</i> <i>Biotechnology and Biological Sciences Research Council</i> <i>Bureau des Ressources Génétiques</i> <i>Ecole Normale Supérieure de Lyon</i> <i>ECOS-Sud</i> <i>EPSRC (Engineering and Physical Sciences Research Council)</i> <i>European Research Council</i> <i>Human Frontier Science Program</i> <i>Institut de la Longévité et du Vieillessement</i> <i>Israel Science Foundation</i></p>	<p><i>Katolieke Universiteit Leuven</i> <i>The Leverhulm Trust</i> <i>MacArthur Fellowships</i> <i>NERC (Natural Environment Research Council, UK)</i> <i>NSERC (Natural Sciences and Engineering Research Council, Canada)</i> <i>NSF (USA)</i> <i>NWO, the Dutch Research Council</i> <i>Research Council for Environment and Natural Resources of the Academy of Finland</i> <i>South Africa's National Research Foundation</i> <i>Smithsonian Institution</i> <i>The John Templeton Foundation</i> <i>Swiss NSF</i> <i>USDA</i> <i>Wissenschaftskolleg zu Berlin</i></p>
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Promotion and Tenure Cases Reviewed: 24 (Canada, Switzerland, UK and USA)

Professional Societies

American Society of Naturalists
 Association for the Study of Animal Behaviour
 European Society for Evolutionary Biology
 International Society for Behavioral Ecology
 International Society for the Study of Social Insects
 Society "Académie Vaudoise"
 Society for the Study of Evolution

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Keller Publications (reverse chronological order)

Books

- 1 *The Lives of Ants*. 2009. L. Keller & E. Gordon, Oxford University Press, 252 pp. (Paperback version published in 2010).
- 2 *La Vie des Fourmis*. 2006. L. Keller & E. Gordon, Odile Jacob, Paris, 303 pp. (Translated in Korean by Ilcholbong, Seoul, 2009).

Edited Books

- 3 *Levels of Selection in Evolution*. 1999. L. Keller (ed.), Princeton University Press, Princeton, 318 pp.
- 4 *Queen Number and Sociality in Insects*. 1993. L. Keller (ed.), Oxford University Press, Oxford, 439 pp.

Papers in International Refereed Journals

- 5 Keller, L. In press. Genetics: biased transmission of genomes according to parents of origin. *Current Biology*.
- 6 Matsuura, K., Himuro, C., Yokoi, T., Yamamoto, Y., Vargo, E. L. & Keller L. In press. Identification of a termite queen pheromone regulating caste differentiation. *Proceedings of the National Academy of Sciences, USA*.
- 7 Sanllorente, O., Hammond, R.L., Ruano, F., Keller, L. & Tinaut, A. In press. Extreme population differentiation in vulnerable slavemaking ant with fragmented distribution. *Conservation Genetics*.
- 8 Wang, J., Chen, P.-J., Wang, G. J. & Keller, L. In press. Chromosome size differences may affect meiosis and genome size. *Science*.
- 9 Floreano, D. & Keller, L. 2010. Evolution of adaptive behaviour in robots by means of natural selection. *PloS Biology*, 8, e1000292. doi:10.1371/journal.pbio.1000292.
- 10 Masclaux, F., Hammond, R. L., Meunier, J., Gouhier-Darimont, C., Keller, L. & Reymond, P. 2010. Competitive ability not kinship affects growth of *Arabidopsis thaliana* accessions. *New Phytologist*, 185, 322-331.
- 11 Schwander, T., Lo, N., Beekman, M., Oldroyd, B. P. & Keller, L. 2010. Nature versus nurture in social insect caste determination. *Trends in Ecology and Evolution*, 25, 272-282.
- 12 Tarapore, D., Floreano, D. & Keller, L. 2010. Task-dependent influence of genetic architecture and mating frequency on division of labour in social insect societies. *Behavioral Ecology and Sociobiology*, 64, 675-684.
- 13 Vogel, V., Pedersen J. S., Giraud, T., Krieger, M. J. B. & Keller, L. 2010. The worldwide expansion of the Argentine ant. *Diversity and Distributions*, 16, 170-186.
- 14 Wurm, Y. & Keller, L. 2010. Parasitoid wasps: From natural history to genomic studies. *Current Biology*, 20, R242-R244.
- 15 Wurm, Y., Wang, J. & Keller, L. 2010. Changes in reproductive roles are associated with changes in gene expression in fire ant queens. *Molecular Ecology*, 19, 1200-1211.
- 16 Gill, R. J., Arce, A., Keller, L & Hammond, R. H. 2009. Polymorphic social organization in ant. *Proceedings of the Royal Society, London B*, 276, 4423-4431.
- 17 Haag-Liautard, C., Vitkainen, E., Keller, L. & Sundström, L. 2009. Fitness and the level of homozygosity in a social insect. *Journal of Evolutionary Biology*, 22, 134-142.
- 18 Holzer, B., Keller, L. & Chapuisat, M. 2009. Genetic clusters and sex-biased dispersal in a unicolonial *Formica* ant. *BMC Evolutionary Biology*, 9, 69, doi:10.1186/1471-2148-9-69.
- 19 Keller, L. 2009. Adaptation and the genetics of social behaviour. *Philosophical Transactions of the Royal Society, London B*, 364, 3209-3216.
- 20 Konior, M., Radwan, J. & Keller, L. 2009. The sexually selected sperm hypothesis, maternal effects, and sperm competitive success in the bulb mite *Rhizoglyphus robini*. *Evolutionary Ecology Research*, 11, 975-982.

- 21 Kümmerli, R. & Keller, L. 2009. Patterns of split sex ratio in ants have multiple evolutionary causes based on different within-colony conflicts. *Biology Letters*, 5, 713-716.
- 22 Mitri, S., Floreano, D., & Keller, L. 2009. The evolution of information suppression in communicating robots with conflicting interests. *Proceedings of the National Academy of Sciences, USA*, 106, 15786–15790.
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 Current Opinion in Genetics & Development
 Faculty of 1000 (five papers selected)
 Genome Biology (Research News)
 Genome News Network (twice)
 Journal of Biology
 Journal of Biosciences
 La Recherche (4 times)
 Nature (News & Views: 4 times)
 Nature (Research Highlights)
 Nature Genetics (News & Views)
 Nature Reviews Genetics (Research Highlights)
 Pour la Science (4 times)
 Science (Perspective, twice)
 Science (Editor's choice)
 Science (News of the Week)
 Science et Avenir (twice)
 Science News (5 times)
 Science et Vie (6 times)
 ScienceNOW (5 times)
 Trends in Ecology and Evolution (3 times)
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Televisions

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 CBC Radio
 FM4 News ORF, Vienna
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 Irish Radio
 Lausanne FM (twice)
 National Public Radio (twice)
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 Radio France
 Radio France International
 Radio France Bleu Azur
 Radio Lac
 Radio Méditerranée Internationale
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 Radio Suisse Romande 1 (13 times)
 Radio Suisse Romande 2
 Radio Sud
 RTL (twice)
 Swissinfo/Swiss Radio International
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 Westdeutschen Rundfunk
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Newspapers

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 Airone
 Allez savoir!
 Ananova
 The Australian
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 Dallas Morning News
 Daily Telegraph (5 times)
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Der Sandbote
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 Die Presse
 Die Südostschweiz
 Discover Channel, Canada (twice)
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 El Pais (twice)
 Entreprise Romande
 Equinox
 Esprit Libre
 Eureka
 Evening Standard
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 Eureka Moments
 Facts (twice)
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 Il Giornale di Vicenza
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La Razón	Science & Vie
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Nature Science Online (twice)	The Irish Times
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Neue Zürcher Zeitung (5 times)	The Scientist
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Noticias magazine	Today's Science
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Ouest France	TRN News
Parisien Libéré	Uniscope Lausanne (7 times)
Philadelphia Enquire	Unipress Bern
P.M. Magazine	Unipress intern
Popular Science	USA Today (twice)
Público	US News & World Report (twice)
Purple Mountain Press	The Vancouver Sun
Quercus	Virgilio
Research Reporter	VSD
ScienceDaily	Walliser Bote
Science Magazine (twice)	Die Weltwoche (twice)
Science Magazine in Republic of Korea	Die Woche
Science Notbook	WGBH
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Science Now (3 times)	Quark
Science Popular magazine	Zürcher Sonntag Zeitung
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