

THOMAS FLATT

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POSITIONS

- from 8/2017: **Associate Professor of Evolutionary Biology** (with tenure), Department of Biology, University of Fribourg, Switzerland.
- 2012-2017: **SNSF Professor** (Swiss National Science Foundation Professorship), Department of Ecology and Evolution, University of Lausanne, Switzerland.
- 2012-14: **Associated Faculty**, Vienna Graduate School of Population Genetics.
- 2011-12: **Fellow**, Wissenschaftskolleg zu Berlin, Institute for Advanced Study (03-06/12).
- 2010-12: **Faculty Member**, Vienna Graduate School of Population Genetics.
- 2009-12: **Group Leader** (with tenure), Institute of Population Genetics, Vetmeduni Vienna, Austria.

EDUCATION

- 2004-08: **Postdoctoral Research Fellow**, Brown University, Department of Ecology and Evolutionary Biology, Providence, RI, USA. Advisor: Prof. Marc Tatar.
- 2000-04: **Ph.D.** (2004): University of Fribourg, Switzerland (Evolutionary Biology, Dr. rer. nat.). Advisor: Prof. Tadeusz J. Kawecki (now Lausanne).
- 1998-99: **M.Sc.** (1999): University of Basel, Switzerland (Population Biology/Zoology); lab work at University of Sydney. Advisors: Prof. Stephen C. Stearns (Basel, now Yale) and Prof. Richard Shine (Sydney).
- 1994-98: **B.Sc.** (1996): University of Basel, Switzerland (Integrative Biology, Major in Zoology, Specialization in Population Biology).

HONORS, FELLOWSHIPS, AND SERVICE

- 2016-date: Associate Editor, *Evolution*
- 2016-date: Associate Editor, *Ecology and Evolution*
- 2016-date: Reviewing Board Member, *Peer Community in Evolutionary Biology*
- 2016-date: Member of Steering Committee, DFG Research Unit *Sociality and the reversal of the fecundity-longevity trade-off*
- 2016-date: Section Editor, *BMC Zoology* (Editor-in-Chief of life history section)
- 2015-date: Member of Scientific Advisory Board, Groningen Institute for Evolutionary Life Sciences (GELIFES), University of Groningen
- 2014-14: Reviewing Editor, *Frontiers in Endocrinology of Aging*
- 2012-date: Swiss National Science Foundation (SNSF) Assistant Professorship *ad personam*
- 2011-12: Fellow, Wissenschaftskolleg zu Berlin
- 2011-date: Contributing Member, *Faculty of 1000*, Developmental Biology Faculty, Aging Section
- 2011-2014: Academic Editor, *PLoS ONE*

- 2011-2014: Associate Editor, *Frontiers in Genetics of Aging*
 2011-2014: Reviewing Editor, *Frontiers in Experimental Endocrinology*
 2010-2016: Deciding Editor, *Journal of Evolutionary Biology*
 2010-date: Member, National Scientific Advisory Council, American Federation for Aging Research
 2009-10: Board of Reviewing Editors, *Journal of Evolutionary Biology* (promoted to DE in 2010)
 2006-08: Advanced Postdoctoral Fellow, Swiss National Science Foundation (SNSF)
 2006-06: Postdoctoral Researcher, National Institute of Health (NIH) (grant to Prof. M. Tatar)
 2005-06: Postdoctoral Fellow, Roche Research Foundation
 2004-05: Postdoctoral Fellow, Swiss National Science Foundation (SNSF)
 2003-04: Doctoral Fellow, Roche Research Foundation
 1998-99: Fellow, Dr. Max Husmann Foundation
 1998-99: Fellow, Roche Research Foundation
 1994-04: Long-Term Fellow, Schweizerische Studienstiftung

RESEARCH INTERESTS

(1) Life History Evolution; Mechanisms of Life History Trade-Offs; (2) Evolution and Mechanisms of Aging; Antagonistic Pleiotropy; (3) Clinal Variation; Climate Adaptation; Inversion Clines; (4) Population Genomics; (5) Experimental Evolution; (6) Evo-Devo; Genotype-Phenotype Map; Evolvability. [Other interests: natural history, especially herpetology]

I study the evolution and mechanisms of life history and aging by applying population genomics and functional genetics to natural and laboratory populations of the fruit fly (*Drosophila melanogaster*) which are phenotypically differentiated for life history. My group is particularly interested in using genomics to identify candidate genes and alleles likely shaped by selection and then to test these candidates for effects upon life history by using functional genetics. Another focus of my research is on understanding the physiological basis of life history trade-offs. For example, I am using functional genetic, genomic and physiological tools to investigate how hormonal signaling pathways (insulin, juvenile hormone, ecdysone) mediate and modulate trade-offs between reproduction and lifespan, immunity, and somatic maintenance. Thus, my integrative work combines experimental evolution, evolutionary genetics, population and functional genomics as well as physiology in order to understand how life histories evolve.

PUBLICATIONS

BIBLIOMETRY

- Total: 70 publications [59 articles, 10 book chapters, 1 edited book]
- *h*-index: 28; total number of citations: 3106 (source: Google Scholar)
- See: <http://scholar.google.ch/citations?user=hnOIPdEAAAAJ&hl=en>
- Papers in *Nature* [Impact Factor: 41.5], *Science* [33.6], *Cell Metabolism* [17.6], *MBE* [13.6], *EMBO Journal* [10.4], *PNAS* [9.7], *eLife* [9.3], *Molecular Ecology* [6.5], *Proc. Roy. Soc. London B* [5.0], etc.

JOURNAL ARTICLES

- [59] May, C.M., van den Heuvel, J., Doroszuk, A., Hoedjes, K.M., **Flatt, T.**, and B. J. Zwaan. 2017. Balancing fitness: adaptation to developmental diet influences the response to selection on age at reproduction in the fruit fly. *Evolution*, In Revision.
- [58] Kubrak, O., Nylin, S., **Flatt, T.**, Nässel, D., and O. Leimar. 2017. Bet-hedging in fluctuating environments in a selection experiment with *Drosophila melanogaster*. *Ecology and Evolution*, In Review.
- [57] Garschall, K., Dellago, H., Gálíková, M., Schosserer, M.,* **Flatt, T.**,* and J. Grillari. 2017. Ubiquitous overexpression of the DNA repair factor dPrp19 reduces DNA damage and extends *Drosophila* life span. *npj Aging and Mechanisms of Disease*, In Press [*co-corresponding authors].

- [55] Rodrigues, M.A., and **T. Flatt**. 2016. Endocrine uncoupling of the trade-off between reproduction and somatic maintenance in eusocial insects. **Current Opinion in Insect Science** 16:1-8.
- [56] Kapun, M., Schmidt, C., Durmaz, E., Schmidt, P.S., and **T. Flatt**. 2016. Parallel effects of the inversion *In(3R)Payne* on body size across the North American and Australian clines in *Drosophila melanogaster*. **Journal of Evolutionary Biology** 29:1059-1072.
- [54] Kapun, M., Fabian, D.K., Goudet, J., and **T. Flatt**. 2016. Genomic Evidence for Adaptive Inversion Clines in *Drosophila melanogaster*. **Molecular Biology and Evolution** 33:1317-1336.
- [53] **Flatt, T.** 2016. Genomics of clinal variation in *Drosophila*: disentangling the interactions of selection and demography. **Molecular Ecology** 25:1023-1026.
- [52] Fuellen, G., Schofield, P.N., **Flatt, T.**, Schulz, R.-J., Boege, F., Kraft, K., Rimbach, G., Ibrahim, S., Tietz, A., Schmidt, C., Köhling, R., Simm, A. 2016. Living long and well: prospects for a personalized approach to the medicine of ageing. **Gerontology** 62:409-416.
- [51] **Flatt, T.** 2015. Organ plasticity: Paying the costs of reproduction. **eLife** 2015;4:e09556. DOI: 10.7554/eLife.09556.
- [50] Fabian, D. K., Lack, J. B., Mathur, V., Schlötterer, C., Schmidt, P.S., Pool, J.E, and **T. Flatt**. 2015. Spatially varying selection shapes life history clines among populations of *Drosophila melanogaster* from sub-Saharan Africa. **Journal of Evolutionary Biology** 28:826-840.
- [49] **Flatt, T.** 2014. Plasticity of Lifespan – A Reaction Norm Perspective. 2014. **Proceedings of the Nutrition Society** 73:532-542.
- [48] Klepsatel, P., Galikova, M, Huber, C.D., and **T. Flatt**. 2014. Similarities and differences in altitudinal versus latitudinal variation for morphological traits in *Drosophila melanogaster*. **Evolution** 68:1385-1398.
- [47] Kapun, M., van Schalwyk, H., McAllister, B., **Flatt, T.**, and C. Schlötterer. 2014. Inference of chromosomal inversion dynamics from Pool-Seq data in natural and laboratory populations of *D. melanogaster*. **Molecular Ecology** 23:1813-1827 [Also see commentary by Navarro and Faria. Pool and conquer: new tricks for (c)old problems. *Molecular Ecology* 23:1653-1655].
- [46] Klepsatel, P., Galikova, M., De Maio, N., Huber, C., Schlötterer, C., and **T. Flatt**. 2013. Variation in Thermal Performance and Reaction Norms Among Populations of *Drosophila melanogaster*. **Evolution** 67:3573-3587.
- [45] **Flatt, T.**, Amdam, G.V., Kirkwood, T.B.L., and S. W. Omholt. 2013. Life-History Evolution and the Polyphenic Regulation of Somatic Maintenance and Survival. **Quarterly Review of Biology** 88:185-218.
- [44] Alcedo, J.,* **Flatt, T.**,* and Pasyukova, E.* 2013. The Role of the Nervous System in Aging and Longevity. **Frontiers in Genetics** 4:124 (doi: 10.3389/fgene.2013.00124) [*Equal contribution, co-corresponding authors].
- [43] Rus, F., **Flatt, T.**, Tong, M., Kleino, A., Aggarwal, K., Okuda, K., Yates, E., Tatar, M., and N. Silverman. 2013. Ecdysone Triggered PGRP-LC Expression Controls *Drosophila* Innate Immunity. **EMBO Journal** 32:1626-1638.
- [42] Klepsatel, P., Galikova, M., De Maio, N., Ricci, S., Schlötterer, C., and **T. Flatt**. 2013. Reproductive and post-reproductive life history of wild-caught *Drosophila melanogaster*. **Journal of Evolutionary Biology** 26:1508-1520.
- [41] Alcedo, J.,* **Flatt, T.**,* and Pasyukova, E.* 2013. Neuronal Inputs and Outputs of Aging and Longevity. **Frontiers in Genetics** 4:71 (doi: 10.3389/fgene.2013.00071) [*Equal contribution, co-corresponding authors].
- [40] Hansen, M.,* **Flatt, T.**,* and H. Aguilaniu*. 2013. Reproduction, Fat Metabolism, and Life Span: What Is the Connection? **Cell Metabolism** 17:10-19. [*Equal contribution, co-corresponding authors].
- [39] Fabian, D.K., Kapun, M., Nolte, V., Kofler, R., Schmidt, P.S., Schlötterer, C. and **T. Flatt**. 2012. Genome-wide patterns of latitudinal differentiation among populations of *Drosophila melanogaster* from North America. **Molecular Ecology** 21:4748–4769.
- [38] **Flatt, T.** 2012. A new definition of aging? **Frontiers in Genetics** 3:148. doi:10.3389/fgene.2012.00148. [Commentary on (36) Rose *et al.* 2012, see below].

- [37] Rose, M.R., **Flatt, T.**, Graves, J.L., Greer, L., Martinez, D.E., Matos, M.M., Mueller, L.D., Shmookler Reis, R.J., and P. Shahrestani. 2012. What is aging? *Frontiers in Genetics* 3:134.doi: 10.3389/fgene.2012.00134.
- [36] Orozco-terWengel, P., Kapun, M., Nolte, V., Kofler, R., **Flatt, T.**, and C. Schlötterer. 2012. Adaptation of *Drosophila* to a novel laboratory environment reveals temporally heterogeneous trajectories of selected alleles. *Molecular Ecology* 21:4931-4941 [Featured on Cover; also see commentary by Burke and Long. 2012. What paths do advantageous alleles take during short-term evolutionary change? *Molecular Ecology* 21:4913-4916].
- [35] Fabian, D.K., and **T. Flatt**. 2012. Life history evolution. *Nature Education Knowledge* 3(10):24.
- [34] Fabian, D.K., and **T. Flatt**. 2011. The evolution of aging. *Nature Education Knowledge* 3(10):9.
- [33] Klepsatel, P., and **T. Flatt**. 2011. The genomic and physiological basis of life history variation in a butterfly metapopulation. *Molecular Ecology* 20:1795-1798.
- [32] **Flatt, T.** 2011. Survival costs of reproduction in *Drosophila*. *Experimental Gerontology* 46:369-375.
- [31] Galikova, M., Klepsatel, P., Senti, G., and **T. Flatt**. 2011. Steroid hormone regulation of *C. elegans* and *Drosophila* aging and life history. *Experimental Gerontology* 46:141-147.
- [30] Bronikowski, A.M., and **T. Flatt**. 2010. Aging and its demographic measurement. *Nature Education Knowledge* 3(10):3
- [29] Kapun, M., Nolte, V., **Flatt, T.**, and C. Schlötterer. 2010. Natural host range and host specificity of the *Drosophila* C virus. *PLoS One* 5(8):e12421.
- [28] Galikova, M., and **T. Flatt**. 2010. Dietary restriction and other lifespan extending pathways converge at the activation of the downstream effector *takeout*. *Aging* 2:387-390.
- [27] Vogl, C., **Flatt, T.**, Fuhrmann, B., Hofmann, E., Wallner, B., Kovarik, P., Strobl, B., and M. Müller. 2010. Transcriptome analysis reveals a major impact of tyrosine kinase 2 (Tyk2) on the expression of interferon responsive and metabolic genes. *BMC Genomics*, 2010 Mar 25;11(1):199.
- [26] **Flatt, T.** 2009. Ageing: Diet and longevity in the balance. *Nature* 462:989-990.
- [25] **Flatt, T.**, and P.S. Schmidt. 2009. Integrating evolutionary and molecular genetics of aging. *Biochimica et Biophysica Acta* 1790:951-962.
- [24] Bauer, J.H., Morris, S.N.S., Chang, C., **Flatt, T.**, Wood, J.G., and S.L. Helfand. 2009. dSir2 and Dmp53 interact to mediate aspects of CR-dependent life span extension in *D. melanogaster*. *Aging* 1:38-48. [Commentary by L.A. Donehower. 2009. Longevity regulation in flies: A role for p53. *Aging* 1:6-8.]
- [23] **Flatt, T.**, Heyland, A., Rus, F., Porpiglia, E., Sherlock, C., Yamamoto, R., Garbuzov, A., Palli, S.R., Tatar, M., and N. Silverman. 2008. Hormonal regulation of the humoral innate immune response in *Drosophila melanogaster*. *Journal of Experimental Biology* 211: 2712-2724. [Image Featured in *JEB* Calendar 2009].
- [22] **Flatt, T.**, Min, K.-J., D'Alterio, C., Villa-Cuesta, E., Cumbers, J., Lehmann, R., Jones, D.L., and M. Tatar. 2008. *Drosophila* germ-line modulation of insulin signaling and lifespan. *Proceedings of the National Academy of Sciences USA* 105:6368-6373
- [21] Crook, T.C., **Flatt, T.**, and P.T. Smiseth. 2008. Hormonal modulation of larval begging and growth in the burying beetle *Nicrophorus vespilloides*. *Animal Behaviour* 75:71-77.
- [20] **Flatt, T.**, and D.E.L. Promislow. 2007. Physiology: still pondering an age-old question. *Science* 318:1255-1256.
- [19] **Flatt, T.**, and T.J. Kawecki. 2007. Juvenile hormone as a regulator of the trade-off between reproduction and life span in *Drosophila melanogaster*. *Evolution* 61:1980-1991.
- [18] Shingleton, A., Frankino, W.A., **Flatt, T.**, Nijhout, H.F., and D. Emlen. 2007. Size and shape: the developmental regulation of static allometry in insects. *BioEssays* 29:536-548.
- [17] Min, K.-J., **Flatt, T.**, Kulaots, I., and M. Tatar. 2007. Counting calories in *Drosophila* dietary restriction. *Experimental Gerontology* 42:247-251.

- [16] **Flatt, T.**, Moroz, L. L., Tatar, M., and A. Heyland. 2006. Comparing thyroid and insect hormone signaling. *Integrative & Comparative Biology* 46:777-794.
- [15] Bishop, C., Erezylmaz, D.F., **Flatt, T.**, Georgiou, C.D., Hadfield, M., Heyland, A., Hodin, J., Jacobs, M., Maslakova, S.A., Pires, A., Reitzel, A., Santagata, S., Tanaka, K., and J.H. Youson, 2006. What is metamorphosis? *Integrative & Comparative Biology* 46:655-661.
- [14] Braendle, C., and **T. Flatt**. 2006. A role for genetic accommodation in evolution? *BioEssays* 28:868-873.
- [13] Killingback, T., Bieri, J., and **T. Flatt**. 2006. Evolution in group-structured populations can resolve the tragedy of the commons. *Proceedings of the Royal Society of London B* 273:1477-1481.
- [12] **Flatt, T.**, Tu, M.-P., and M. Tatar. 2005. Hormonal pleiotropy and the juvenile hormone regulation of *Drosophila* development and life history. *BioEssays* 27:999-1010. [Featured on Cover Image].
- [11] **Flatt, T.** 2005. The evolutionary genetics of canalization. *Quarterly Review of Biology* 80:287-316.
- [10] Altwegg, R., Dummermuth, S., Anholt, B.R., and **T. Flatt**. 2005. Winter weather affects asp viper (*Vipera aspis aspis*) population dynamics through susceptible juveniles. *Oikos* 110:55-66.
- [9] **Flatt, T.**, and T.J. Kawecki. 2004. Pleiotropic effects of *Methoprene-tolerant (Met)*, a gene involved in juvenile hormone metabolism, on life history traits in *Drosophila melanogaster*. *Genetica* 122:141-160.
- [8] **Flatt, T.**, and I. Scheuring. 2004. Stabilizing factors interact in promoting host-parasite coexistence. *Journal of Theoretical Biology* 228:241-249.
- [7] **Flatt, T.** 2004. Assessing natural variation in genes affecting *Drosophila* lifespan. *Mechanisms of Ageing and Development* 125:155-159.
- [6] Rauch, G., Simon, J.-C., Chaubet, B., Haack, L., **Flatt, T.**, and W.W. Weisser. 2002. The influence of ant attendance on aphid feeding behaviour investigated with the electrical penetration graph technique. *Entomologia Experimentalis et Applicata* 102:13-20.
- [5] **Flatt, T.**, Shine, R., Borges-Landaez, P.A., and S.J. Downes. 2001. Phenotypic variation in an oviparous montane lizard: effects of thermal and hydric incubation environments. *Biological Journal of the Linnean Society* 74:339-350.
- [4] **Flatt, T.**, Maire, N., and M. Doebeli. 2001. A bit of sex stabilizes host-parasite dynamics. *Journal of Theoretical Biology* 212:345-354.
- [3] **Flatt, T.**, and W.W. Weisser. 2000. The effects of mutualistic ants on aphid life-history traits. *Ecology* 81:3522-3529.
- [2] **Flatt, T.**, Dummermuth, S., and B.R. Anholt. 1997. Mark-recapture estimates of survival in populations of the asp viper, *Vipera aspis aspis*. *Journal of Herpetology* 31:558-564.
- [1] **Flatt, T.**, and S. Dummermuth. 1993. [In German; English translation of title: "On the Asp or Jura Viper in the Canton of Solothurn"] "Zur Kenntnis der Aspis- oder Juraviper *Vipera a. aspis* (L., 1758) im Kanton Solothurn". *Mitteilungen der Naturforschenden Gesellschaft des Kantons Solothurn* 36: 75-102. [This natural history paper was an invited contribution and editorially reviewed by the editor-in-chief but not by external reviewers].

BOOK CHAPTERS

- [10] **Flatt, T.**, Heyland, A., and S.C. Stearns. 2011. What Mechanistic Insights Can or Cannot Contribute to Life History Evolution - An Exchange Between Stearns, Heyland, and Flatt. Chapter 28, Pp. 375-379, in **Flatt, T.** and Heyland, A. (Eds.), *Mechanisms of Life History Evolution. The Genetics and Physiology of Life History Traits and Trade-Offs*. Oxford University Press, Oxford, UK.
- [9] **Flatt, T.**, and A. Heyland. 2011. Life History Integration and Trade-Offs. Part 6, Pp. 267-269, in **Flatt, T.** and Heyland, A. (Eds.): *Mechanisms of Life History Evolution. The Genetics and Physiology of Life History Traits and Trade-Offs*. Oxford University Press, Oxford, UK.
- [8] **Flatt, T.**, and A. Heyland. 2011. Life History Plasticity. Part 5, Pp. 219-220, in **Flatt, T.** and Heyland, A. (Eds.): *Mechanisms of Life History Evolution. The Genetics and Physiology of Life History Traits and Trade-Offs*. Oxford University Press, Oxford, UK.

- [7] **Flatt, T.**, and A. Heyland. 2011. Lifespan, Aging and Somatic Maintenance. Part 4, Pp. 169-170, in **Flatt, T.** and Heyland, A. (Eds.): *Mechanisms of Life History Evolution. The Genetics and Physiology of Life History Traits and Trade-Offs*. Oxford University Press, Oxford, UK.
- [6] **Flatt, T.**, and A. Heyland. 2011. Reproduction. Part 3, Pp. 99-100, in **Flatt, T.** and Heyland, A. (Eds.): *Mechanisms of Life History Evolution. The Genetics and Physiology of Life History Traits and Trade-Offs*. Oxford University Press, Oxford, UK.
- [5] **Flatt, T.**, and A. Heyland. 2011. Growth, Development, and Maturation. Part 2, Pp. 27-28, in **Flatt, T.** and Heyland, A. (Eds.): *Mechanisms of Life History Evolution. The Genetics and Physiology of Life History Traits and Trade-Offs*. Oxford University Press, Oxford, UK.
- [4] Braendle, C., Heyland, A., and **T. Flatt**. 2011. Integrating Mechanistic and Evolutionary Analysis of Life History Variation. Chapter 1, Pp. 3-10, in **Flatt, T.** and Heyland, A. (Eds.), *Mechanisms of Life History Evolution. The Genetics and Physiology of Life History Traits and Trade-Offs*. Oxford University Press, Oxford, UK.
- [3] **Flatt, T.**, and A. Heyland. 2011. Integrating Mechanisms into Life History Evolution. Part 1, Pp. 1-2, in **Flatt, T.** and Heyland, A. (Eds.): *Mechanisms of Life History Evolution. The Genetics and Physiology of Life History Traits and Trade-Offs*. Oxford University Press, Oxford, UK.
- [2] **Flatt, T.**, and A. Heyland. 2011. Preface, Pp. ix-xi, In **Flatt, T.** and Heyland, A. (Eds.): *Mechanisms of Life History Evolution. The Genetics and Physiology of Life History Traits and Trade-Offs*. Oxford University Press, Oxford, UK.
- [1] Tu, M.P., **Flatt, T.**, and M. Tatar. 2006. Juvenile and steroid hormones in *Drosophila melanogaster* longevity. Chapter 16 (pp. 415-448) in Masoro, E. J. and Austad, S.N. (Eds.), *Handbook of the Biology of Aging*, 6th Edition, Academic Press (Elsevier), San Diego.

BOOK

Flatt, T., and A. Heyland (Editors). 2011. *Mechanisms of Life History Evolution. The Genetics and Physiology of Life History Traits and Trade-Offs*. Oxford University Press, Oxford, UK. 478 pages, 75 illustrations, ISBN 978-0-19-956877-2. [Book reviews in: *Times Higher Education*, *The Quarterly Review of Biology*, *American Journal of Human Biology*, *Journal of Genetics*].

GRANTS

- Total grant income since becoming PI in 2009: CHF 3,388,241 = USD 3,408,520 = 3,092,960 €.

CURRENT GRANTS

- 2016-: ESEB STN (European Society of Evolutionary Biology Special Topics Network) to support the consolidation of the *European Drosophila Population Genomics Network (DrosEU)*. Co-applicant on behalf of *DrosEU* with Andrea Betancourt, Josefa Gonzalez, Mike Ritchie, and Bas Zwaan. Duration 2016-2022. Euros 60,000 (not included in grant income above).
- 2016-: SNSF Professorship, grant extension. Project #PP00P3_165836: *The Genomic Basis of Life History Adaptation*. CHF 743,515. Duration: December 2016 - November 2018.
- 2016-: Supplementary funding for SNSF Professorship Project # PP00P3_133641/1: *Population Genomics of Evolutionary Change in Drosophila Aging and Life History*. CHF 58,046.
- 2015-: SNSF Research Project # 310030E-164207: *The physiological and metabolic basis of the fecundity/longevity trade-off in Drosophila*. Duration: 2015-2018. CHF 242,168. SNSF-funded subproject within DFG (Deutsche Forschungsgemeinschaft) Collaborative Research Unit (DFG Forschergruppe FOR 2281), entitled *Sociality and the reversal of the fecundity-longevity trade-off*.
- 2012-: SNSF Professorship ("SNF Förderungsprofessur") at Department of Ecology and Evolution, University of Lausanne, Switzerland, endowed by the Swiss National Science Foundation (SNSF). Project # PP00P3_133641/1: *Population Genomics of Evolutionary Change in Drosophila Aging and Life History*, Awarded in February 2011 but deferred until December 2012. Duration: December 2012 - November 2016. CHF 1,582,700.

COMPLETED GRANTS AND FELLOWSHIPS

As PI (since 2009):

- 2014: Novartis Foundation for Biomedical Research Grant, *The Mechanistic Basis of Lifespan Modulation by Reproduction and Diet*, Grant # 13C154. Duration: 12 months (2014-2015, awarded in 2013). CHF 60,000.
- 2012: Awarded for 2012: Stipend, Institute for Advanced Study Berlin (Wissenschaftskolleg zu Berlin), 03-06/2012, €4500.
- 2009: FWF (Austrian Science Foundation) Program Grant to build up the *Vienna Graduate School of Population Genetics*, Grant # W 1225. Co-applicant with Christian Schlötterer (coordinator), Reinhard Bürger, Andreas Futschik, Arndt von Haeseler, Joachim Hermisson, Alistair McGregor, Claus Vogl, Carolin Kosiol, Ines Hellmann, Magnus Nordborg. €2,400,000. 2009-2014.
- 2009: University of Veterinary Medicine Vienna, "Profillinien" Grant, Auxiliary Funding for FWF Project # P 21498-B11. €68.649. 2009-2012.
- 2009: FWF (Austrian Science Foundation) Stand Alone Grant, *Germline Regulation of Drosophila Aging Through Steroid Hormone Signaling*, Grant # P 21498-B11. Duration: 2009-2012. €457,663.5.

As postdoc:

- 2008: Advanced Postdoctoral Fellowship, Swiss National Science Foundation (SNSF): *Germline Regulation of Aging in Drosophila melanogaster* (grant PA00A-113087/2; CHF 21,850; 6 months)
- 2006: Advanced Postdoctoral Fellowship, Swiss National Science Foundation (SNSF): *Germline Regulation of Aging in Drosophila melanogaster* (grant PA00A-113087; CHF 95,415; 24 months)
- 2006: Postdoctoral Research Funding, National Institute of Health (NIH RO1 grant to M. Tatar)
- 2005: Postdoctoral Fellowship, Roche Research Foundation: *Regulation of Lifespan by Germline Signals in Drosophila melanogaster* (grant 318-2004; CHF 36,000; 12 months)
- 2004: Postdoctoral Fellowship, Swiss National Science Foundation (SNSF): *The Effects of Germline Stem Cells on Aging and Reproduction in Drosophila melanogaster* (grant PBFRA 104328; CHF 29,700; 12 months)

As predoc:

- 2003: Extension of Predoctoral Fellowship, Roche Research Foundation: *The Effects of Juvenile Hormone on Trait Architecture in Drosophila melanogaster* (grant 219-2003; CHF 5,570; 2 months, with T.J. Kawecki)
- 2002: Predoctoral Fellowship, Roche Research Foundation: *The Effects of Juvenile Hormone on Trait Architecture in Drosophila melanogaster* (grant 159-2002; CHF 27,500; 10 months, with T.J. Kawecki)
- 2000: Predoctoral Fellowship, Swiss National Science Foundation (grant to T.J. Kawecki; 36 months)
- 1998: Fellowship, Dr. Max Husmann Foundation (CHF 8,500)
- 1998: Fellowship, Roche Research Foundation: *Nongenetic Maternal Effects and Phenotypic Plasticity in Hatchling Phenotypes of a Montane Scincid Lizard* (CHF 10,000; 6 months)
- 1998: Scholarship, University of Basel (CHF 2,200)
- 1998: Scholarship, Swiss Study Foundation (CHF 7,000; 17 months)
- 1998: Research Grant, Emilia Guggenheim-Schnurr Foundation: *Effects of Ant Tending on Aphid Life History* (CHF 3,000)
- 1994: Long-Term Fellowship, Swiss Study Foundation – Funds for Young Talented People (until 2004)

SMALL AWARDS, GRANTS AND FELLOWSHIPS

- 2014: UNIL Travel Grant for Horizon 2020 grant proposal preparation
- 2010: Travel Grant for EU FP7 proposal preparation, Austrian Research Promotion Agency (FFG/EIP)
- 2009: Relocation Grant, Brain Power Austria, Austrian Research Promotion Agency (FFG)

- 2008: Travel Award, Fisher Scientific, Inc.
- 2008: Travel Award, Society for the Study of Evolution (SSE)
- 2008: Travel Award, Brown University, Division of Biology & Medicine, Associate Dean's Office
- 2007: Hot Poster Award, Gordon Research Conference, Biology of Aging, Les Diablerets, Switzerland
- 2007: Interview/Travel Grant, Brain Power Austria, Austrian Research Promotion Agency (FFG)
- 2007: Travel Award, Gordon Research Conference, Biology of Aging, Les Diablerets, Switzerland
- 2006: Travel Award, Gordon Research Conference, Biology of Aging, Ventura, CA, USA
- 2005: Travel Award, Gordon Research Conference, Biology of Aging, Aussois, France
- 2004: 3rd Poster Award, Biology 04 Meeting, Fribourg, Switzerland
- 2003: Travel Grant, Swiss Study Foundation
- 2002: Student Travel Bursary, The Academy of Medical Sciences, London, UK
- 2000: Travel Grant, University of Basel, Switzerland
- 2000: Travel Award, American Society of Naturalists
- 1999: Travel Grant, Swiss Study Foundation
- 1999: Travel Grant, British Ecological Society
- 1997: Scholarship, Tropical Biology Association, Cambridge, UK
- 1997: Travel Grant, Swiss Study Foundation

INVITED SYMPOSIA AND PLENARY TALKS

- 46 invited symposia and plenary talks
- 2018: Plenary Speaker, International Union for the Study of Social Insects (IUSSI) 2018, Guarujá, Brazil (Declined due to overcommitment)
- 2017: Invited Speaker, Symposium on "Evolutionary Biology of Ageing: Integrating Function and Mechanism", 16th Congress of the European Society for Evolutionary Biology (ESEB), Groningen, Netherlands
- 2016: Lead Speaker, The Rank Prize Funds Symposium on Nutrition and Ageing, Grasmere, UK (Cancelled due to scheduling conflict; replaced by my student Kathrin Garschall)
- 2016: German Society for Genetics (GfG) Summer Academy "Adaptation in nature – from ecology to genomes", Technical University Braunschweig, Braunschweig, Germany
- 2016: International Cofactor Life Sciences (ICLS) Conference on Neuroscience and Aging, Istanbul, Turkey (Declined due to overcommitment)
- 2016: Plenary Speaker, "The Evolution of Mechanisms: A Workshop on the Integration of Life-History Evolution and Physiology", University of Debrecen, Debrecen, Hungary
- 2016: Plenary Speaker, 12th Women's Health Congress, University Hospital Basel, Basel, Switzerland
- 2015: Keynote Speaker, Inauguration Symposium for the new Groningen Centre for Evolutionary Sciences (GELIFES) and "Adaptive Life" research plan, University of Groningen, Netherlands
- 2015: Featured Speaker, 2nd Insect Hormone (20th International Ecdysone) Workshop, Kolymbari, Crete, Greece (Declined due to overcommitment)
- 2014: Symposium Speaker, Annual Meeting of the German Zoological Society (Deutsche Zoologische Gesellschaft, DZG), Evolutionary Biology Section, University of Göttingen, Göttingen, Germany
- 2014: 2nd Eco-Evo-Devo Postgraduate Summer School (organized by Alistair McGregor and Casper Breuker), Oxford Brookes University, Oxford, UK
- 2014: Hauptstadtkongress Medizin und Gesundheit, Deutsches Ärzteforum, "Am Puls der Zeit: Regeneration und Verlangsamung des Alterungsprozesses in der Welt von Übermorgen", Citycube, Berlin, Germany

- 2014: Symposium on Pathways to Indefinite Lifespans, University of Nicosia, Cyprus (Declined due to overcommitment)
- 2014: Annual Retreat of the PhD Students of the Instituto Gulbenkian de Ciência (IGC), Oeiras, Portugal
- 2013: Menopause, Andropause and Anti-Aging Congress 2013, Hilton Vienna, Vienna, Austria (Declined)
- 2013: Invited Speaker, Symposium on "Genomics of Experimental Evolution", 14th Congress of the European Society for Evolutionary Biology (ESEB), Lisbon, Portugal (youtube video link: https://www.youtube.com/watch?v=c_EozrMwVIs)
- 2013: Plenary Speaker, Opening Lecture, "The Evolution of Proximate Mechanisms for Behavioural and Life History Decisions", Summer Course of the Doctoral Program in Ecology and Evolution, Conférence Universitaire de Suisse Occidentale (CUSO), Arolla, Switzerland
- 2013: Featured Speaker, 2013 1st Insect Hormone Workshop (19th International Ecdysone Workshop), Minneapolis, USA
- 2013: Plenary Speaker, "Nutrition and Healthy Ageing", Nutrition Society Summer Meeting 2013, Newcastle, UK (published as Flatt 2014 in *Proc. Nutr. Soc.*)
- 2013: Introductory Lecture, Swiss *Drosophila* Meeting 2013, ETH Zürich, Zürich, Switzerland
- 2013: FBM (Faculty of Biology and Medicine) Research Day at University of Lausanne: "Strong winds for discoveries", invited by the FBM Research Commission, Lausanne, Switzerland
- 2013: Royal Society Workshop on Nutrition and Ageing, Kavli Royal Society International Centre, Chicheley Hall, Buckinghamshire, UK
- 2013: Distinguished Guest Speaker, Colloquium (part 2) "Bridging the Gap Between Genomics and Evolutionary Biology", Centre for Ecological and Evolutionary Synthesis (CEES), Department of Biology, University of Oslo, held at the Norwegian Academy of Science and Letters, Oslo, Norway
- 2013: 2013 Ecdysone Workshop, 54th Annual *Drosophila* Research Conference, Washington, DC, USA
- 2012: 4th EvoVienna Meeting, Vetmeduni Vienna, Department of Integrative Biology and Evolution, Wilhelminenberg, Vienna, Austria
- 2012: Plenary Speaker, Opening Lecture, 18th European Meeting of PhD Students in Evolutionary Biology, Virrat, Finland
- 2012: Symposium on Egg Development, "How do you like your eggs?", 4th Meeting of the European Society for Evolutionary Developmental Biology (EED), Lisbon, Portugal
- 2012: Symposium on "Physiological Mechanisms that Shape Life Histories", ESEB (European Society of Evolutionary Biology) sponsored symposium, Evolution 2012 Ottawa: 1st Joint Congress on Evolutionary Biology (SSE, ASN, ESEB, CSEE, SSB), Ottawa, Canada
- 2012: XXIV International Congress of Entomology (ICE2012), Daegu, South Korea (Declined)
- 2011: Winter School on Plasticity: Mechanisms and Evolution, Institute of Theoretical Biology, Humboldt University Berlin, Germany
- 2011: Plenary Speaker, Genes and Ageing, 4th Young Investigator Workshop, LifeSpan EU Network of Excellence, Paris, France
- 2011: International Conference on Aging, Korean Society for Gerontology, Busan, Korea (Declined)
- 2010: Distinguished Guest Speaker, Colloquium (part 1) "Bridging the Gap Between Genomics and Evolutionary Biology", Centre for Ecological and Evolutionary Synthesis (CEES), Department of Biology, University of Oslo, held at the Norwegian Academy of Science and Letters, Oslo, Norway
- 2010: Keynote Lecturer, FP7-ERA-AGE 2 (European Research Area in Ageing), Future Leaders of Ageing Research in Europe (FLARE), Summer School, September 2010, Varna, Bulgaria
- 2010: Young Group Leader Presentation, Molecular and Applied Biosciences Austria 2010, Austrian Association of Molecular Life Sciences and Biotechnology (ÖGMBT), Vienna, Austria
- 2010: 10th International Symposium on Neurobiology and Neuroendocrinology of Aging, Bregenz, Austria
- 2010: 18th International Ecdysone Workshop, České Budějovice, Czech Republic
- 2008: Social Insect Life History Symposium 23rd International Entomology Congress, Durban, South Africa
- 2007: Gordon Research Conference on Aging, Poster Award Talk, Les Diablerets, Switzerland
- 2006: Symposium on Metamorphosis, Society for Integrative & Comparative Biology Meeting, Orlando, FL, USA
- 2005: Symposium on Biology of Aging, Institute of Biology & Leiden University Medical Center, Leiden, Netherlands

- 2005: Symposium on Biology of Aging, 10th Congress, European Society of Evolutionary Biology, Krakow, Poland
- 2003: 10th Swiss Herpetological Colloquium, University of Fribourg, Switzerland
- 2001: Symposium on Evolutionary and Ecological Genomics, 8th Congress, European Society of Evolutionary Biology, Aarhus, Denmark (co-author)
- 1996: German Society for Herpetology (DGHT) Meeting, Goldau, Switzerland
- 1994: 1st Swiss Herpetological Colloquium, Natural History Museum Bern, Bern, Switzerland

INVITED SEMINARS AND TALKS

- 88 invited seminars and talks

- 2017: Max Planck Institute of Molecular Cell Biology and Genetics, Dresden, Germany
- 2017: Institute of Population Genetics, Vetmeduni Vienna, Vienna, Austria
- 2016: Department of Zoology, Stockholm University, Stockholm, Sweden
- 2016: Center for Integrative Genomics (CIG), University of Lausanne, Switzerland
- 2016: Department of Biological and Medical Sciences, Oxford Brookes University, Oxford, UK
- 2016: Centre for Ecology and Conservation, Biosciences, College of Life and Environmental Sciences University of Exeter, Penryn Campus, UK
- 2016: Department of Biology, University of Fribourg, Fribourg, Switzerland
- 2016: EAWAG, Swiss Federal Institute of Aquatic Science and Technology, Dübendorf, Switzerland
- 2016: Institute of Biology, University of Neuchâtel, Neuchâtel, Switzerland
- 2016: Naturforschende Gesellschaft des Kantons Solothurn (Natural History Society of the Canton Solothurn), Natural History Museum, Solothurn, Switzerland
- 2015: School of Biology, Centre for Biological Diversity, University of St. Andrews, St. Andrews, Fife, UK
- 2015: Evo-Devo Workshop (organized by Daniela Nunes and Alistair McGregor), Barrow upon Trent, Derbyshire, UK
- 2015: Max Planck Institute for Demographic Research (MPIDR), "Meet the Expert Series" Seminar Series, MaxNetAging Doctoral School (MNARS), Rostock, Germany
- 2015: Institute for Evolution and Biodiversity, University of Münster, Münster, Germany
- 2015: Instituto Gulbenkian de Ciência (IGC), Oeiras, Portugal
- 2015: University of Freiburg, Institute of Biology, Assessment Meeting for DFG Research Unit FOR 2281, Freiburg, Germany
- 2015: Faculty of Biology, Ludwig Maximilians University Munich, Munich, Germany
- 2015: Institute of Integrative Biology, University of Liverpool, Liverpool, UK
- 2014: Department of Zoology, Stockholm University, Stockholm, Sweden
- 2014: Institute of Biology, University of Neuchâtel, Neuchâtel, Switzerland
- 2014: Institute of Ecology and Evolution, Mini Symposium in Evolutionary Biology, University of Bern, Switzerland
- 2014: Wageningen Evolution and Ecology Seminars (WEES), Wageningen University, Wageningen, Netherlands
- 2014: Department of Genetics, University of Georgia, Athens, GA, USA
- 2013: Institute of Biology, University of Neuchâtel, Neuchâtel, Switzerland
- 2013: Institute of Ecology and Evolution, Population Genetics Seminar, University of Bern, Switzerland
- 2013: Ecole Normale Supérieure de Lyon, Department of Biology, Lyon, France
- 2013: Kawecki Lab Meeting, Department of Ecology and Evolution, University of Lausanne, Lausanne, Switzerland
- 2013: Jensen Lab Meeting, Institute of Bioengineering, School of Life Sciences, École Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland
- 2012: 8th Lausanne Fly Meeting, University of Lausanne, Center of Integrative Genomics, Lausanne, Switzerland

- 2012: Department of Biosciences, Ecology and Evolutionary Biology, University of Helsinki, Helsinki, Finland
- 2012: Department of Chromosome Biology, Max F. Perutz Laboratories, University of Vienna, Vienna, Austria
- 2012: University College London, Institute of Healthy Ageing, Department of Genetics, Evolution & Environment, London, UK
- 2012: University of Jyväskylä, Department of Biological and Environmental Sciences, Jyväskylä, Finland
- 2012: Department of Biology, Lund University, Lund, Sweden
- 2012: Wissenschaftskolleg zu Berlin, Institute for Advanced Study, Berlin, Germany
- 2012: Freie Universität Berlin, Department of Animal Behavior, Berlin, Germany
- 2011: Konrad Lorenz Institute for Evolution and Cognition Research (KLI), Altenberg, Austria
- 2011: Universidad de Guanajuato, Departamento de Biología, División de Ciencias Naturales y Exactas, Guanajuato, Mexico (Declined)
- 2011: Ecole Normale Supérieure de Lyon, Laboratoire de Biologie Moléculaire de la Cellule, Lyon, France
- 2011: Swiss National Science Foundation, Research Council, Bern, Switzerland
- 2010: Université Paris 7 / CNRS, Laboratoire de Génétique du Stress et du Vieillissement, Paris, France
- 2010: Research Institute of Wildlife Ecology, Vetmeduni Vienna, Wilhelminenberg, Vienna, Austria
- 2010: Austrian Academy of Sciences, Institute for Biomedical Aging Research, Innsbruck, Austria
- 2010: University of Natural Resources & Applied Life Sciences (BOKU), Vienna Institute of BioTechnology, Institute of Applied Microbiology, Vienna, Austria
- 2010: University of Vienna, COSB (Centre of Organismal Systems Biology), Faculty of Life Sciences, Austria
- 2010: Swiss National Science Foundation, Research Council, Bern, Switzerland
- 2009: University of Lausanne, Vice Rectorate, Lausanne, Switzerland
- 2009: Université Paris 7 / CNRS, Laboratoire de Génétique du Stress et du Vieillissement, Paris, France
- 2009: Austrian Science Foundation, Evaluation Hearing for Ph.D. Program in Population Genetics, Vienna, Austria
- 2009: University of Basel, Zoological Institute, Evolutionary Biology Group, Basel, Switzerland
- 2009: Université Nice-Sophia Antipolis, CNRS UMR6543, Institute of Developmental Biology & Cancer, Nice, France
- 2009: Czech Academy of Sciences, Institute of Entomology, Biological Centre, České Budějovice, Czech Republic
- 2009: University of Natural Resources & Applied Life Sciences (BOKU), Department of Biotechnology, Vienna, Austria
- 2009: University College London, Institute of Healthy Ageing, Department of Genetics, Evolution & Environment, London, UK
- 2009: Queen Mary University of London, School of Biological & Chemical Sciences, London, UK (Declined)
- 2008: Harvard Medical School, Paul F. Glenn Laboratories for the Biological Mechanisms of Aging, Boston, MA, USA
- 2008: University of Lausanne, Department of Ecology and Evolution and Center for Integrative Genomics, Switzerland
- 2008: University of Glasgow, Division of Environmental & Evolutionary Biology, Glasgow, UK
- 2008: Centre National de la Recherche Scientifique (CNRS), Laboratoire Evolution, Génomes et Spéciation, and Centre de Génétique Moléculaire, Gif-sur-Yvette, France
- 2008: Austrian Science Foundation, Evaluation Hearing for Ph.D. Program in Population Genetics, Vienna, Austria
- 2008: University of Kentucky, Department of Biology, Lexington, KY, USA
- 2008: University of Nebraska, School of Biological Sciences, Lincoln, NE, USA
- 2008: Buck Institute for Age Research, Novato, CA, USA
- 2008: University of Oslo, Centre for Ecological and Evolutionary Synthesis, Norway
- 2007: Arizona State University, School of Life Sciences, Tempe, AZ, USA

2007: University of Veterinary Medicine Vienna, Institute of Animal Breeding & Genetics, Vienna, Austria
 2007: Norwegian Life Sciences University, Department of Animal & Aquacultural Sci., Aas, Norway
 2007: College of William & Mary, Departments of Biology/Mathematics, Williamsburg, VA, USA
 2007: Florida State University, Department of Biological Sciences, Tallahassee, FL, USA
 2007: University of Florida, Whitney Laboratory for Marine BioSciences, St. Augustine, FL, USA
 2007: Brown University, Department of Ecology & Evolution, Providence, RI, USA
 2006: Salk Institute for Biological Studies, La Jolla, CA, USA
 2006: University of Lausanne, Department of Ecology & Evolution, Lausanne, Switzerland
 2005: Brown University, Department of Ecology & Evolution, Providence, RI, USA
 2005: Kilguss Research Institute, Reproductive Biology Seminar Series, Providence, RI, USA
 2004: University of Florida, Whitney Laboratory for Marine BioSciences, St. Augustine, FL, USA
 2004: University of Fribourg, Unit of Ecology & Evolution, Fribourg, Switzerland
 2004: Brown University, Department of Ecology & Evolution, Providence, RI
 2004: Yale University, Department of Ecology & Evolution, New Haven, CT
 2003: University of Zürich, Institute of Zoology, Zürich, Switzerland
 2003: Friedrich-Schiller University, Institute of Ecology, Jena, Germany
 2002: Université Pierre & Marie Curie, Department of Ecology & Evolution, Paris, France
 2002: ETH Zürich, Department of Ecology & Evolution, Zürich, Switzerland
 2002: Princeton University, Department of Ecology & Evolution, Princeton, NJ
 2002: Brown University, Department of Ecology and Evolution, Providence, RI
 2001: University of Bern, Department of Zoology, Bern, Switzerland
 2000: Roche Research Foundation, Meeting of Board of Trustees, Basel, Switzerland
 1999: University of Basel, Department of Integrative Biology, Basel, Switzerland

CONTRIBUTED CONFERENCE PRESENTATIONS

- 64 contributed conference presentations

2017: 16th Congress of the European Society for Evolutionary Biology (ESEB), Groningen, Netherlands (Talk and poster; co-author)
 2017: Biology 17, Annual Swiss Conference on Ecology, Evolution, Systematics, Biogeography and Conservation, University of Lausanne (1 talk and 1 poster; co-/last author)
 2016: Symposium on Genetics of Adaptation, National Centre for Biological Sciences (NCBS), Bangalore, India (Talk; co-author)
 2016: 6th European Meeting of the International Union for the Study of Social Insects, Helsinki, Finland (Talk; co-author)
 2016: 3rd Ecology and Evolutionary Biology Symposium, Ankara, Turkey (Talk; co-author) (cancelled)
 2016: Swiss *Drosophila* Meeting, ETH Zurich Switzerland (Talk; co-author)
 2016: Evolution 2016, Austin, TX, USA (Talk; co-author)
 2016: 2nd Cologne Ageing Conference, Cologne, Germany (Poster; co-author)
 2016: Biology 16, Annual Swiss Conference on Ecology, Evolution, Systematics, Biogeography and Conservation, University of Lausanne (2 talks and 1 poster; co-/last author)
 2015: Population Genetics Group Meeting 49, Edinburgh, United Kingdom (co-author)
 2015: 24th European *Drosophila* Research Conference, Heidelberg, Germany (co-author)
 2015: Society for Molecular Biology & Evolution (SMBE), Vienna, Austria (Talk; co-author)
 2015: Society for Molecular Biology & Evolution Satellite Meeting (SMBEBA), Hameau de l'Etoile, France (Poster; co-author)
 2015: 15th Congress of the European Society for Evolutionary Biology (ESEB), Lausanne, Switzerland (2 talks and 1 poster; co-/last author)

- 2015: 3rd LIMNA (Lausanne Integrative Metabolism and Nutrition Alliance) Symposium, SwissTech Convention Center, Lausanne, Switzerland (Poster; co-author)
- 2015: Swiss *Drosophila* Meeting, Lausanne, Switzerland (Poster; co-author)
- 2015: 56th Annual *Drosophila* Research Conference, Chicago, IL, USA (Poster; co-author)
- 2015: Postdocs of Cambridge, "Crossing the Barriers" Lecture Series – "Evolution", University of Cambridge, UK (Talk; given by D. Fabian on a collaborative project)
- 2014: 12th International Symposium on Neurobiology and Neuroendocrinology of Aging, Bregenz, Austria (Poster; co-author)
- 2014: Evolution 2014, Raleigh Convention Center, Raleigh, NC, USA (Talk; co-author)
- 2014: Eukaryotic –"omics": exploring and testing with next-generation sequencing, CUSO Doctoral Program in Ecology and Evolution, University of Geneva (Talk; co-author)
- 2013: European *Drosophila* Research Conference (EDRC), Barcelona, Spain (Poster; co-author)
- 2013: 14th Congress of the European Society for Evolutionary Biology (ESEB), Lisbon, Portugal (Talk; co-author)
- 2013: 54th Annual *Drosophila* Research Conference, Washington, DC, USA (first author; poster)
- 2012: 53rd Annual *Drosophila* Research Conference, Chicago, IL, USA (last author; 2 posters and 1 talk)
- 2011: Life History Theory Workshop, University of Groningen, Herdershut Field Station (Talk; last author)
- 2011: Adaptation to Climate from a Spatial Perspective, Workshop at Lammi Biological Station, University of Helsinki, Finland (Talk; last author)
- 2011: Junior European *Drosophila* Investigators (JEDI) Meeting, Leysin, Switzerland (Short Talk)
- 2011: 13th Congress of the European Society for Evolutionary Biology, Tübingen, Germany (2 posters; co-author)
- 2011: 52nd Annual *Drosophila* Research Conference, San Diego, CA, USA (Talk and Poster; co-author)
- 2011: 44th Population Genetics Group Meeting, University of Hull, Hull, UK (Talk; co-author)
- 2010: Mind the Gap 2010: Joining Theoretical and Empirical Population Genetics, Workshop at the Max-Planck-Institute for Evolutionary Biology, Plön, Germany (Talk; co-author)
- 2010: 2nd Vienna *Drosophila* Meeting, Institute of Molecular Pathology, Vienna, Austria (Talk; co-author)
- 2010: 18th International Ecdysone Workshop, České Budějovice, Czech Republic (Poster; co-author)
- 2010: Annual Meeting of the Society for Molecular Biology and Evolution, Lyon, France (Poster; co-author)
- 2010: 51st Annual *Drosophila* Research Conference, Washington, DC, USA (Platform Talk; co-author)
- 2009: 12th Congress of the European Society for Evolutionary Biology, Turin, Italy (Poster)
- 2009: 1st Vienna *Drosophila* Meeting, University of Veterinary Medicine Vienna, Austria (Talk)
- 2008: Molecular Genetics of Aging, Cold Spring Harbor Laboratory, NY, USA (Talk; co-author)
- 2008: TOLL 2008, Recent Advances in Pattern Recognition, Cascais, Portugal (Talk; co-author)
- 2008: Society for the Study of Evolution, Minneapolis, MN, USA (Talk)
- 2008: Symposium "Aging: Linking Evolution with Mechanisms", University of Fribourg, Switzerland (Talk)
- 2008: 49th Annual *Drosophila* Research Conference, San Diego, CA, USA (Poster)
- 2007: Gordon Research Conference on Biology of Aging, Les Diablerets, Switzerland (Poster)
- 2007: 48th Annual *Drosophila* Research Conference, Philadelphia, PA, USA (Platform Talk)
- 2006: Molecular Genetics of Aging, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, USA (Talk)
- 2006: 11th Congress, International Society for Behavioral Ecology, Tours, France (Poster)
- 2006: Society for the Study of Evolution, Stony Brook, NY, USA (Talk and Poster)
- 2006: 47th Annual *Drosophila* Research Conference, Houston, TX, USA (Platform Talk)
- 2006: Gordon Research Conference on Biology of Aging, Ventura, CA, USA (Poster)
- 2005: 10th Congress of European Society of Evolutionary Biology, Krakow, Poland (Poster)
- 2005: 15th International Congress of Comparative Endocrinology, Boston, MA, USA (Talk)
- 2005: 46th Annual *Drosophila* Research Conference, San Diego, CA, USA (Poster)
- 2004: Gordon Research Conference on Biology of Aging, Aussois, France (Poster)
- 2004: Society for the Study of Evolution, Fort Collins, CO, USA (Talk)
- 2004: Biology 04 Meeting, Fribourg, Switzerland (Poster)

- 2003: 9th Congress, European Society of Evolutionary Biology, Leeds, UK (Poster)
 2003: Biology 03 Meeting, University of Zürich, Zürich, Switzerland (Talk)
 2002: Biology 02 Meeting, University of Bern, Bern, Switzerland (Talk)
 2000: Society for the Study of Evolution, Bloomington, IN, USA (Talk)
 2000: Swiss Symposium on Evolution, Ecology, Behaviour, Lausanne, Switzerland (Talk)
 1999: British Ecological Society, Winter Meeting, Leeds, UK (Talk)
 1992: Treffen der Deutschsprachigen Arachnologen, Naturhistorisches Museum Basel (Poster)

TEACHING

- currently approx. 54 hours per year (fall semester: 16 hrs; spring semester: 38 hrs).

COURSES AND LECTURES TAUGHT AT UNIVERSITY OF FRIBOURG (AS OF 2017/2018)

- 2017-: Evolutionary Biology (BL.0021)
 2018-: Life History Evolution & Aging (BL.0214)
 2018-: Ecology II (4 hour module on evolution; BL.0002)
 2018-: Experimental Ecology (practical; BL.0037)
 2018-: Advanced Topics in Evolutionary Genetics and Ecology (BL.0201)
 2018-: Seminars in Ecology and Evolution (BL.0211)
 2018-: Research Seminars in Ecology and Evolution (BL.0212)

COURSES AND LECTURES TAUGHT AT UNIVERSITY OF LAUSANNE

- 2014-: Evolution of Life History and Aging (MSc level, 14 semester hours)
 2014-: Darwinian Medicine – Evolution in Health and Disease (BSc level, 14 semester hours)
 2013-: Introduction to Scientific Writing (MSc level, 16 semester hours)

COURSES AND LECTURES TAUGHT AT VETMEDUNI VIENNA

- 2011-2012: Basic Course for Ph.D. Students in Population Genetics: *Drosophila* Genetics
 2012: Darwinian Medicine (with D. Penn)
 2010-2012: Special Molecular Biology (with A. McGregor, C. Metzner)
 2009-2010: Basic Course for Ph.D. Students in Population Genetics: Biostatistics (with C. Vogl)
 2009-2012: Invertebrate BioModels (with A. McGregor, A. Betancourt)
 2009-2012: Basic Course for Ph.D. Students in Population Genetics: Life History Evolution
 2009-2012: Darwinian Medicine (with A. McGregor, D. Penn)
 2009-2012: Current Topics in Population Genetics (with C. Schlötterer, A. McGregor, C. Kosiol)
 2009-2012: Population Genetics - From Theory to Practice (with C. Schlötterer, A. McGregor, C. Kosiol)

COURSES TAUGHT AT OTHER UNIVERSITIES

- 2004: Data Analysis - Introductory Biostatistics, University of Fribourg (with D. Meyer, T. Steinger)

INVITED GUEST LECTURES

- 2013: Life History Evolution, Institute of Biology, University of Neuchâtel (Lectured for F. Helfenstein)
 2007: Evolution of Aging, College of William & Mary (Lectured for T. Killingback)
 2006: Evolution of Cooperation, Brown University (Lectured for S. McGarvey)
 2004/05/07: Darwinian Medicine, Brown University (Lectured for M. Tatar)

TEACHING ASSISTANT

- 2003: Arena in Evolution, TA to D. Ebert, D. Meyer, T. Kawecki, University of Fribourg
 2002: Evolutionary Biology, TA to T. Kawecki, University of Fribourg
 2000: Evolutionary Genetics, Teaching Assistant (TA) to D. Ebert, University of Basel

TRAINING AND SUPERVISION OF STUDENTS, POSTDOCS AND LAB PERSONNEL

POSTDOCS & SENIOR RESEARCHERS

- 10/2014-date: Dr. Katja Hoedjes. *Effects of Developmental Nutrition on Adult Behavior: An Evolutionary Perspective*. University of Lausanne. Co-advised with Laurent Keller (primary advisor). Funded by Novartis Research Foundation (to LK) and Marie Skłodowska-Curie Individual Fellowship (to KH).
- 04/2014-03/2015: Dr. Sara Carvalho. *Mechanisms Underlying Modulation of Drosophila Lifespan by Reproduction and Diet*. University of Lausanne.
- 01/2013-date: Dr. Martin Kapun. *Evolutionary Genetics and Life History Effects of Chromosomal Inversions in Drosophila melanogaster*. University of Lausanne.
- 01/2013-12/2014: Dr. Chantal Daupin-Villemant. *Ovarian production of ecdysteroids and their role in adult physiology in Drosophila*. Senior researcher / postdoc, also fulfilling part-time laboratory technician duties.

PH.D. STUDENTS

- 01/2016-date: Marisa Rodrigues. *The physiological and metabolic basis of the fecundity/longevity trade-off in Drosophila*. University of Lausanne.
- 07/2013-date: Esra Durmaz. *Effects of Clinal Polymorphisms on Drosophila Life History*. University of Lausanne. Primary Advisor; Co-Advisor: Tadeusz Kawecki.
- 05/2013-date: Kathrin Garschall. *Functional Genetic Tests of Longevity Candidate Genes in Drosophila*. University of Lausanne. Primary Advisor; Co-Advisor: Marc Robinson-Rechavi.
- 06/2009-11/2014. Martina Galikova (currently postdoc at the Max Planck Institute for Biophysical Chemistry, Göttingen, Germany). Ph.D. Thesis: *Reproductive Physiology and Aging in Females of Drosophila melanogaster*. Vetmeduni Vienna. Primary Advisor; Co-Advisors: Alistair McGregor and Christian Schlötterer. Defense date: 27 November 2014. External expert: Bas Zwaan.
- 10/2010-11/2014: Daniel Fabian (currently postdoc at the University of Cambridge, Department of Genetics). Ph.D. Thesis: *The Genomic and Phenotypic Basis of Life History Traits in Drosophila melanogaster*. Vetmeduni Vienna. Primary Advisor; Co-Advisor: Christian Schlötterer. Defense date: 5 November 2014. External expert: Sergey Nuzhdin.
- 06/2009-01/2014. Peter Klepsatel (currently postdoc at the Max Planck Institute for Biophysical Chemistry, Göttingen, Germany). Ph.D. Thesis: *Variation in Life History, Morphology and Thermal Phenotypic Plasticity in Drosophila melanogaster*. Vetmeduni Vienna. Primary Advisor; Co-Advisor: Christian Schlötterer. Defense date: 24 January 2014. External expert: Patricia J. Moore.
- 03/2010-06/2013. Martin Kapun (currently postdoc at the University of Lausanne, Department of Ecology and Evolution). Ph.D. Thesis: *The Genetic Basis of Adaptive Evolution in Drosophila melanogaster*. Co-Advisor; Primary Advisor: Christian Schlötterer. Vetmeduni Vienna. Defense date: 17 June 2013. External expert: Theodore J. Morgan.

M.SC. AND B.SC. STUDENTS

- 03/2016-06/2016: Ivo Moes (Wageningen University), M.Sc. Internship: *Genetic Basis of the Evolution of Longevity in an Experimental Evolution Experiment*. Primary Advisor: Bas Zwaan (Wageningen University).
- 12/2013-01/2015: Ana Paula Machado, MSc Thesis Project, MSc BEC Program (Behavior, Evolution and Conversation). *Integration of museum specimens into the phylogeographic analysis of African and Asiatic Cheetahs*. University of Lausanne and Vetmeduni Vienna (co-supervised with Dr. Pamela Burger, Vienna).
- 12/2013-01/2015: Chloe Schmidt, MSc Thesis Project, MSc BEC Program (Behavior, Evolution and Conversation). *Unraveling the Effects of a Major Chromosomal Inversion on Life History and Fitness in Drosophila*. University of Lausanne. Supervised by Martin Kapun and Thomas Flatt.
- 03/2013-08/2013: Roel Bevers (Wageningen University), M.Sc. Internship: *Function of couch potato in adult physiology and life history*. Primary Advisor: Bas Zwaan (Wageningen University).
- 12/2010-11/2011: Leo Edlinger, M.Sc. Thesis: *The Role of RabX2 in Drosophila Aging and Autophagy*. Meduni Vienna; Vetmeduni Vienna.

- 02/2011-09/2011: Agnieszka Parlicka, M.Sc. Thesis in Biomedicine & Biotechnology, Vetmeduni Vienna. *Functional characterization of the Drosophila protein unkempt (unk), a new component of the insulin/TOR signaling pathway*. Internal Advisor; Primary External Advisor: Hugo Stocker (ETH Zürich).
- 06-12/2010: Victoria Steinmann, M.Sc. Thesis in Biomedicine & Biotechnology: *Effects of pasilla knockdown and over-expression on alternative splicing of the Drosophila transcriptome and development*. Co-Advisor; Primary Advisor: Alistair McGregor. Vetmeduni Vienna.
- 02-06/2010: Julia Steger, B.Sc. Thesis in Biomedicine & Biotechnology: *Effects of Germline Ablation on Fat Metabolism in Drosophila melanogaster*. Vetmeduni Vienna.
- 02-06/2010: Anna Schönauer, B.Sc. Thesis in Biomedicine & Biotechnology: *Eye size evolution in Drosophila yakuba and D. santomea*. Co-Advisor; Primary Advisor: Alistair McGregor. Vetmeduni Vienna.
- 2009-2010: Kai Schrötter, M.Sc. Thesis in Biomedicine & Biotechnology, Vetmeduni Vienna, *Mapping of genes that cause variation in susceptibility to the sigma virus in Drosophila melanogaster*. Internal Advisor; Primary External Advisor: Frank Jiggins (University of Cambridge, UK).

UNDERGRADUATE STUDENTS

- 10/2014-12/2014: Judith Schneider, First Steps Project, MSc BEC Program (Behavior, Evolution and Conversation): *Modulation of egg-laying behavior by olfactory cues in Drosophila*. University of Lausanne. Supervised by Sara Carvalho and Thomas Flatt.
- 10/2013-12/2013: Alejandra Maria Parreno and Tania Studer, First Steps Project, MSc BEC Program (Behavior, Evolution and Conversation): *Functional Genetic Tests of Candidate Genes Affecting Drosophila Aging and Life History*. University of Lausanne. Supervised by Kathrin Garschall and Thomas Flatt.
- 07/2012: Valentina Zehetbauer, Summer Project Student from the University of Natural Resources & Applied Life Sciences (BOKU) Vienna: *Altitudinal Variation in Drosophila Life History*. Vetmeduni Vienna.
- 07/2012: Simone Bauer, Project Work in Biomedicine & Biotechnology: *Altitudinal Variation in Drosophila Life History*. Vetmeduni Vienna.
- 09/2011: Roman Maresch, Project Work in Biomedicine & Biotechnology: *Steroid and Insulin Signaling in the Drosophila Ovary*. Vetmeduni Vienna.
- 02/2011: Jaqueline Kopp, Project Work in Biomedicine & Biotechnology: *Drosophila as a Model for Studying the Germline Regulation of Aging*. Vetmeduni Vienna.
- 02/2011: Bianca Neumeister, Project Work in Biomedicine & Biotechnology: *Drosophila as a Model for Studying the Germline Regulation of Aging*. Vetmeduni Vienna.
- 11/2009: Manuel Miller, Project Work in Biomedicine & Biotechnology: *The Effect of Overexpressing Apoptotic Genes on Germline Proliferation in Drosophila*. Vetmeduni Vienna.

HIGH SCHOOL STUDENTS

- 08/2011 and 09/2012: Pia Hager. Project work, supervised by P. Klepsatel: *Life History Traits in Natural Populations of D. melanogaster*.

LAB MANAGERS, TECHNICIANS, AND LAB ASSISTANTS

- 03/2017-08/2017. Cindy Ramel. Student assistant; fly media preparation. University of Lausanne.
- 03/2016-02/2017. Pierre Perréaz. Student assistant; fly media preparation. University of Lausanne.
- 03/2015-02/2016. Christophe Sahli. Student assistant; fly media preparation. University of Lausanne.
- 07/2014-01/2015. Maria-Alejandra Parreno. Student assistant; media preparation. University of Lausanne.
- 03/2014-06/2014. Estelle Clerc. Student assistant; fly media preparation. University of Lausanne.
- 04/2013-03/2014. Bahram Kheradmand. Student assistant; fly media preparation. University of Lausanne.
- 03/2013-09/2015. Daria Martynow, lab manager and technician. University of Lausanne.
- 01/2013-12/2014. Dr. Chantal Dauphin-Villemant, senior research assistant. University of Lausanne.
- 10/2011-11/2012. Akila Weerasekera, lab manager and technician. Vetmeduni Vienna.

- 10/2010-09/2011. Claudia Höchsmann, lab manager and technician. Vetmeduni Vienna.
- 10/2009-09/2010. Dr. Gabriele Senti, lab manager and technician. Vetmeduni Vienna.

HOST FOR VISITING SCIENTISTS

- 03-06/2015. Gonçalo Matos (Instituto Gulbenkian, Oeiras, Portugal). Primary advisor: Elio Sucena.
- 04-09/2014. Gabriele Andreatta (University of Padova, Italy). Primary advisor: Rodolfo Costa.
- 07-09/2012. Dr. Markus Schosserer (University of Natural Resources & Applied Life Sciences, BOKU, Vienna, Austria). Primary advisor: Johannes Grillari.
- 01-06/2011. Prof. Patricia Moore (University of Exeter, Cornwall Campus, UK, now UGA, Athens, Georgia, USA). 6 month sabbatical in Vienna, funded by a Leverhulme Trust Fellowship.
- 10-12/2010 and 09/11/12 2011. Dr. Chantal Dauphin-Villemant (formerly at CNRS, Paris). Short-term research stays in Vienna, sponsored by CNRS, and by Profillinien grant to TF.

EXTERNAL THESIS EXAMINER & MEMBER OF PH.D. STUDENT COMMITTEES

- Ph.D. Thesis Committee Member (mid-thesis exam), Amaranta Fontcuberta, University of Lausanne, Department of Ecology and Evolution, Lausanne, Switzerland. May 2017. "AgingX - a cross-species bioinformatics approach to the biology of aging". Advisor: Michel Chapuisat.
- Ph.D. Thesis Examiner, Louise Nicky Ormond, EPFL, School of Life Sciences, Lausanne Switzerland. "Methods and Applications in Statistical Population Genetics". 15 December 2016. Advisor: Jeff Jensen.
- External Ph.D. Examiner, Pavel Payne, Ph.D. Project at the Institute for Science and Technology (IST), Klosterneuburg/Maria Gugging, Austria: "The role of trade-offs in the Cas/CRISPR bacterial immune system in the evolutionary dynamics of bacterial populations". 12 December 2016. Advisors: Jonathan Bollback and Nick Barton.
- External Ph.D. Examiner, James Rapkin, University of Exeter. "Food for Thought - The Importance of Nutrition in Sexual Selection". 1 December 2016. Advisor: John Hunt.
- Ph.D. Thesis Examiner, Ivan Mateus, Department of Ecology and Evolution, Lausanne, Switzerland. "Role of host and fungal intra-species genetic variability in the symbiosis between arbuscular mycorrhizal fungus *Rizophagus irregularis* and cassava (*Manihot esculenta*)". 23 November 2016; Public defense: 7 December 2016. Advisor: Ian Sanders.
- Ph.D. Thesis Committee Member (mid-thesis exam), Casper van der Kooij, University of Lausanne, Department of Ecology and Evolution, Lausanne, Switzerland. 9 November 2016. Advisor: Tanja Schwander.
- External Examiner for Ph.D. Thesis of Katharina von Wyschetzki, University of Regensburg, Regensburg, Germany. "Evaluating proximate causes of longevity in ant queens by RNA-sequencing". Advisor: Jürgen Heinze.
- External Examiner for Ph.D. Thesis of Maroun Bou Sleiman, Ecole Polytechnique Fédérale de Lausanne EPFL, Lausanne, Switzerland. "The *Drosophila* gut response to infection: a systems approach". Defense: 6 July 2016. Advisors: Bart Deplancke, Bruno Lemaitre.
- External Examiner for Ph.D. Thesis of Michael Zeller, University of Neuchâtel, Neuchâtel, Switzerland. "Impact of environment on co-evolution between hosts and parasites". Defense: 25 June 2016. Advisor: Jacob Koella.
- External Examiner for Ph.D. Thesis of Christina M. May, Wageningen University, Wageningen, Netherlands. "Plastic and evolutionary effects of development diet on adult phenotypes and gene expression in the fruit fly". Defense: 22 June 2016. Advisor: Bas J. Zwaan.
- External Examiner for Ph.D. Thesis of Daniela Schneider, University of Vienna, Vienna, Austria. "Deciphering the molecular mechanisms of symbiotic speciation". 10 July 2015. Advisors: Wolfgang Miller and Michael Jantsch.
- Ph.D. Thesis Committee Member (mid-thesis exam), Andrea Komljenovic, University of Lausanne, Department of Ecology and Evolution, Lausanne, Switzerland. July 2015. "AgingX - a cross-species bioinformatics approach to the biology of aging". Advisor: Marc Robinson-Rechavi.

- External Examiner for Ph.D. Thesis of Cláudia Mendes, Instituto Gulbenkian (IGC), Oeiras, Portugal. "Nutritional plasticity and evolutionary divergence in the *Drosophila* ovary". 29 May 2015. Advisors: Christen Mirth and Elio Sucena.
- External Expert, Ph.D. Thesis Committee, First Year Candidacy of Roel P. J. Bevers, EPFL, Lausanne, Switzerland. March 2015. "Mitochondrial Variation and its Impact on Metabolic Phenotypes". Advisor: Bart Deplancke.
- Ph.D. Thesis Committee Member, Simone Mumbauer, University of Lausanne, Center of Integrative Genomics, Lausanne, Switzerland. March 2015. "Dynamic aspects of Hippo signaling". Advisor: Fisun Hamaratoglu.
- Ph.D. Thesis Committee Member (mid-thesis exam), Ivan Mateus, University of Lausanne, Department of Ecology, Lausanne, Switzerland. January 2015. "Patterns and causes of genetic variation in an arbuscular mycorrhizal fungus". Advisor: Ian Sanders.
- Reading Committee Member and External Examiner for Ph.D. Thesis of Joost van den Heuvel, Leiden University, Leiden, Netherlands. 2014. "The evolution and plasticity of life histories upon variation of nutrition". Advisors: Paul Brakefield, Bas Zwaan, Tom Kirkwood, and Daryl Shanley. Defense: 25 November 2014.
- Public External Examiner ("Opponent") for Ph.D. Thesis of Jouni Kvist. 2014. University of Helsinki, Institute of Biotechnology, Helsinki, Finland. "Functional Genomics of the Glanville Fritillary Butterfly". Advisors: Mikko Frilander and Ilkka Hanski. Defense: 24 October 2014.
- External Examiner for Ph.D. Thesis of Colin McClure, University of Bath, Department of Biology and Biochemistry, Bath, UK. 2014. "Life History Implications of Sex, Diet and Pathogen Exposure in the Fruit Fly". Advisor: Nicholas Priest; Internal Examiner: Laurence Hurst. Defense: 4 September 2014.
- External Examiner for Ph.D. Dissertation of Silvia Paolucci, University of Groningen, Centre for Ecological and Evolutionary Studies, Groningen, Netherlands. 2014. "The genetics of adaptive photoperiodic response in *Nasonia vitripennis*". Advisor: Leo Beukeboom.
- External Examiner for MSc Thesis of Hyunjin Shim, Ecole Polytechnique Fédérale de Lausanne (EPFL). 2014. "Estimating Selection Coefficient from Time-Serial Data with Likelihood-based and ABC-based Methods". Advisor: Jeffrey Jensen.
- External Examiner ("Rapporteur") for Ph.D. Dissertation of Nausicaa Poulet, University of Nice-Sophia Antipolis, France. 2013. "Developmental Plasticity and Evolution of the *Caenorhabditis* germline and reproductive system". Advisor: Christian Braendle.
- External Pre-Examiner for Ph.D. Dissertation of Philipp Lehmann, Department of Biological and Environmental Science, University of Jyväskylä, Finland. 2013. "Eco-physiological aspects of adaptation to seasonal environments: the latitudinal range expansion of the Colorado potato beetle across Europe". Advisor: Leena Lindström.
- Ph.D. Candidacy Committee Member. 2013-date. Bou Sleiman Maroun (Ecole Polytechnique Federale de Lausanne, EPFL): "Uncovering the Basis of Natural Variation in *Drosophila* Response to Infection". Advisor: Bruno Lemaitre, Internal Expert: Bart Deplancke, President of Committee: Pierre Gönczy.
- Committee Member. 2012-2016. Pavel Payne, Ph.D. Project at the Institute for Science and Technology (IST), Klosterneuburg/Maria Gugging, Austria: "The role of trade-offs in the Cas/CRISPR bacterial immune system in the evolutionary dynamics of bacterial populations". Advisors: Jonathan Bollback and Nick Barton.
- External Examiner for Ph.D. Dissertation of Jan Rynes, Department of Molecular Biology, University of South Bohemia, Ceske Budejovice, Czech Republic. 2012. "Role of the bZIP protein Atf3 in metabolic and immune homeostasis and Molecular interactions of the insect juvenile hormone receptor Met". Advisor: Marek Jindra.
- Public External Examiner ("Opponent") for Ph.D. Dissertation of Venera Tyukmaeva, Department of Biological and Environmental Sciences, University of Jyväskylä, Finland. 2012. "Adaptation to Seasonality: Genetics and Variation in Life-History Traits Important in Overwintering". Advisors: Anneli Hoikkala and Maaria Kankare. 26 October 2012.

- External Examiner (“Rapporteur”) for Ph.D. Dissertation of Jérôme Goudeau, Ecole Normale Supérieure de Lyon, Laboratoire de Biologie Moléculaire de la Cellule, Lyon, France. 2011. “Links between Germline and Longevity in *Caenorhabditis elegans*”. Advisor: Hugo Aguilaniu. 30 June 2011.

EDITORIAL SERVICE

- Associate Editor, *Evolution* (2016-2018)
- Associate Editor, *Ecology and Evolution* (2016-date)
- Reviewing Board Member (Recommender), *Peer Community in Evolutionary Biology* (2016-date)
- Section Editor, *BMC Zoology* (Editor-in-Chief of life history section) (2016-date)
- Reviewing Editor, *Frontiers in Endocrinology of Aging* (2014, resigned in 2014)
- Special Research Topics Editor for *Frontiers in Genetics of Aging*: “Neuronal inputs and outputs of aging and longevity” (with J. Alcedo and E. Pasyukova, 2011-2013)
- Contributing Member, *Faculty of 1000* (F1000), Developmental Biology Faculty, Aging Section (2011-date).
- Academic Editor, *PLoS ONE* (2011-2014, resigned in 2014)
- Associate Editor, *Frontiers in Genetics of Aging* (2011-2014, resigned in 2014)
- Reviewing Editor, *Frontiers in Experimental Endocrinology* (2011-2014, resigned in 2014)
- Deciding Editor, *Journal of Evolutionary Biology* (2010-2015).
- Reviewing Editor, *Journal of Evolutionary Biology* (2009-12; promoted to DE in 2010).

REVIEWER SERVICE

REVIEWER FOR ACADEMIC JOURNALS

- Reviewer for 60 journals; approximately 12-24 reviews per year.

AGING CELL, AMERICAN NATURALIST, AMPHIBIA-REPTILIA, ANNALS OF THE NEW YORK ACADEMY OF SCIENCES, ANIMAL BEHAVIOUR, BEHAVIORAL ECOLOGY AND SOCIOBIOLOGY, BIOGERONTOLOGY, BIOLOGY LETTERS, BMC BIOLOGY, BMC EVOLUTIONARY BIOLOGY, BMC GENOMICS, BMC GERIATRICS, CURRENT BIOLOGY, DEMOGRAPHIC RESEARCH, ECOLOGY, ECOLOGY LETTERS, ELIFE, EVOLUTION, EVOLUTION & DEVELOPMENT, EVOLUTIONARY ECOLOGY, EVOLUTIONARY BIOLOGY, EXPERIMENTAL GERONTOLOGY, FEBS LETTERS, FLY, FRONTIERS IN ZOOLOGY, FUNCTIONAL ECOLOGY, GENETICS, GENETICS RESEARCH, GERONTOLOGY, HEREDITY, HORMONES AND BEHAVIOR, INSECT BIOCHEMISTRY AND MOLECULAR BIOLOGY, INSECT MOLECULAR BIOLOGY, INSECT SCIENCE, INTEGRATIVE & COMPARATIVE BIOLOGY, JOURNAL OF BIOLOGICAL CHEMISTRY, JOURNAL OF EVOLUTIONARY BIOLOGY, JOURNAL OF EXPERIMENTAL BIOLOGY, JOURNAL OF EXPERIMENTAL ZOOLOGY B (MOLECULAR & DEVELOPMENTAL EVOLUTION), JOURNAL OF GERONTOLOGY: BIOLOGICAL SCIENCES, JOURNAL OF INSECT BEHAVIOR, JOURNAL OF INSECT PHYSIOLOGY, JOURNAL OF THEORETICAL BIOLOGY, JOURNAL OF ZOOLOGY, MECHANISMS OF AGEING AND DEVELOPMENT, MOLECULAR BIOLOGY AND EVOLUTION, MOLECULAR ECOLOGY, NATURE, NATURE COMMUNICATIONS, NATURE ECOLOGY & EVOLUTION, NATURE REVIEWS CANCER, OECOLOGIA, PEERJ, PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY OF LONDON B, PLOS BIOLOGY, PLOS GENETICS, PLOS ONE, PROCEEDINGS OF THE ROYAL SOCIETY OF LONDON B, SCIENTIFIC REPORTS, TRENDS IN ECOLOGY AND EVOLUTION, TRENDS IN CELL BIOLOGY.

- Top Reviewer for *PROCEEDINGS OF THE ROYAL SOCIETY LONDON B* in 2015
- Top Reviewer for *MOLECULAR ECOLOGY* 2014 & 2015 (for review performance 2012-2013 and 2013-2014; top 8% of reviewers)

REVIEWER FOR ACADEMIC BOOK PUBLISHERS (BOOK PROPOSALS, ETC.)

- *Oxford University Press*, Oxford, UK: review of the evolutionary biology content of the Oxford Reference (OR; www.OxfordReference.com) online publishing platform (OUP's A to Z reference content)
- *Oxford University Press*, Oxford, UK: *Does Aging Stop?*, by L.D. Mueller, C.L. Rausser, and M.R. Rose. 2011.

REVIEWER FOR BOOK CHAPTERS

- Chapter in: A. Córdoba-Aguilar, D. González-Tokman and I. González-Santoyo (eds.) (forthcoming), *Insect Behavior: From Mechanisms to Ecological and Evolutionary Consequences*. Oxford University Press.
- Chapter in: R.D. Aldridge and D. M. Sever (eds.) (2011), *Reproductive biology and phylogeny of snakes*. Volume 9, Reproductive Biology and Phylogeny series, B. G. M. Jamieson (ed). CRC Press, Boca Raton, Florida, USA.

REVIEWER FOR GRANTS AND FELLOWSHIPS

- Reviewer for 21 funding bodies
- Centre national de la recherche scientifique (CNRS) and Institut national de la santé et de la recherche médicale (INSERM) (France), ATIP-Avenir Program
- Chilean National Science & Technology Commission FONDECYT (declined due to overcommitment)
- Wissenschaftskolleg zu Berlin, College for Life Sciences Fellowship
- Groningen Institute for Evolutionary Life Sciences (GELIFES), proposals for Ph.D. positions
- Alexander von Humboldt Foundation (2016, declined due to overcommitment)
- Invited Panel Member Biological Sciences for the Portuguese Science and Technology Fund FCT (Fundação para a Ciência e a Tecnologia, I.P.) (2015 & 2016, declined due to overcommitment)
- Israeli Ministry of Science, Technology & Space (2015, declined due to overcommitment)
- Royal Society of London, UK (Royal Society Wolfson Research Merit Award)
- PRESTIGE postdoc program Campus France Agence française pour la promotion de l'enseignement supérieur, l'accueil et la mobilité internationale (2015, declined due to overcommitment)
- FWO (Fonds Wetenschappelijk Onderzoek - Vlaanderen; Research Foundation – Flanders) (Declined due to overcommitment)
- Invited external mock review for a NIH R15 Grant for the Department of Biological Sciences, Southern Methodist University, Dallas, TX, USA
- DFG (Deutsche Forschungsgemeinschaft)
- Velux Foundation, Zürich, Switzerland
- Czech Science Foundation (Declined due to overcommitment)
- Royal Society of London, UK (Royal Society Fellowship Application)
- National Center of Science and Technology Evaluation, Ministry of Education and Science, Astana, Republic of Kazakhstan (Declined)
- NSF (National Science Foundation), Processes, Structures and Integrity (PSI) Program, Division of Integrative Organismal Systems
- NSF (National Science Foundation), Organism-Environment Interactions Program (OEI), Division of Integrative Organismal Systems
- C.T. de Wit Graduate School for Production Ecology & Resource Conservation, Department of Genetics, Wageningen University, Ph.D. Proposal
- Greek Ministry of Education, Lifelong Learning and Religious Affairs (Invited but no reviews requested)
- CAS (Centre for Advanced Study), Norwegian Academy of Science and Letters, Oslo, Norway
- SNSF (Swiss National Science Foundation), Switzerland
- NERC (Natural Environment Research Council), UK
- European Research Area for Aging (ERA-AGE2), FLARE program (Future Leaders in Ageing Research in Europe) (Declined)
- Danish Council for Independent Research, Natural Sciences, Denmark
- AFM (Association Française contre les Myopathies), France
- ANR (Agence Nationale de la Recherche), France
- University of Houston Grant to Enhance and Advance Research (GEAR) Program, USA
- AFAR (American Federation for Aging Research), National Scientific Advisory Council, USA

- BBSRC (Biotechnology and Biological Sciences Research Council), UK
- NSF (National Science Foundation), Population and Evolutionary Processes, Division of Environmental Biology, USA
- MacArthur Fellowship, John D. and Catherine T. MacArthur Foundation, USA
- Research Into Aging Charity – Help the Aged (New Investigator Award), London, UK
- ARC (Australian Research Council) (Biosciences; International Reader/Assessor), Australia
- BARD (United States - Israel Binational Agricultural Research & Development Fund), USA & Israel
- NOW (Netherlands Organisation for Scientific Research), Netherlands
- Nathan Shock Center for Excellence in the Biology of Aging (Barshop Institute, San Antonio), USA

EXTERNAL REVIEWER FOR TENURE DECISIONS AND PROFESSORIAL PROMOTIONS

- 2015. Oxford Brookes University, Oxford, UK
- 2014. Instituto Gulbenkian de Ciência, Oeiras, Portugal
- 2012. University of California, Irvine, Department of Ecology and Evolutionary Biology
- 2012. University of Connecticut, Storrs, Department of Allied Health Sciences

JOB SEARCH / HIRING COMMITTEES

- 2014. External Assessor, Tenure Track Assistant Professorship Position in Ecological and Evolutionary Genomics, Faculty of Biological and Environmental Sciences, University of Helsinki

ORGANIZATION OF WORKSHOPS, SYMPOSIA AND CONFERENCES

- 2017: Co-Organizer with Josefa Gonzalez (Barcelona) and Martin Kapun (Lausanne) of the 6th Workshop of the *European Drosophila Population Genomics Consortium (DrosEU)*, held as a satellite meeting at the 16th Congress of the European Society for Evolutionary Biology (ESEB), Groningen, Netherlands, 20 August 2017.
- 2017: Co-Organizer with Josefa Gonzalez (Barcelona) and Martin Kapun (Lausanne) of an Information Session about the *European Drosophila Population Genomics Consortium (DrosEU)* and the ESEB STN, 16th Congress of the European Society for Evolutionary Biology (ESEB), Groningen, Netherlands, August 2017.
- 2017: Co-Organizer with Martin Kapun (Lausanne), Symposium *The Evolutionary Significance of Chromosomal Inversions*, 16th Congress of the European Society for Evolutionary Biology (ESEB), Groningen, Netherlands, 20-25 August 2017.
- 2016: Co-Organizer with Tobias Uller (Lund) and Bernhard Voelkl (Oxford), Workshop on *Evolving Plasticity in Natural and Artificial Systems*, Center for Interdisciplinary Research (ZiF - Zentrum für interdisziplinäre Forschung), Bielefeld, Germany, 5-7 September 2016.
- 2015: Co-Organizer with Paul Schmidt (Philadelphia), Symposium *How to Identify and Test the Loci and Alleles Underlying Adaptation?*, 15th Congress of the European Society for Evolutionary Biology (ESEB), Lausanne, Switzerland, 10-14 August 2015.
- 2015: Member of Organizing Committee (main organizers: Kirst King-Jones and Kim Furbo Rewitz), 2015 (2nd) *International Insect Hormone Workshop* (formerly: (20th) *International Ecdysone Workshop*), Kolymbari, Crete, Greece.
- 2015: Co-Organizer with Lukas Keller and Marta Manser of "Steve Fest", a symposium in honor of Stephen C. Stearns' major contributions to evolutionary biology, University of Basel, Alte Universität (Rheinsprung), Basel, Switzerland, April 2015.
- 2015: Co-Organizer with Fisun Hamaratoglu of *Swiss Drosophila Meeting*, IDHEAP, University of Lausanne, April 2015.
- 2015: Co-Organizer with Josefa Gonzalez (Barcelona) and Martin Kapun (Lausanne) of the 2nd Workshop of the *European Drosophila Population Genomics Consortium (DrosEU)*, Institut de Biologia Evolutiva, Universitat Pompeu Fabra, Barcelona, February 2015.

- 2015-date: Member of Organizing Committee of *BIG (Biology and Integrative Genetics) Seminar Series* in Biology, an initiative of the Faculty of Biology and Medicine, University of Lausanne. Co-organized by Vincent Dion, Ted Farmer, Thomas Flatt, and Sophie Martin.
- 2014: Co-Organizer with Josefa Gonzalez (Barcelona) and Martin Kapun (Lausanne) of the 1st Workshop of the *European Drosophila Population Genomics Consortium (DrosEu)*, Institut de Biologia Evolutiva, Universitat Pompeu Fabra, Barcelona, April 2014.
- 2013: Co-Organizer with Richard Benton of *Lausanne Drosophila Meeting*, at the Department of Ecology and Evolution, University of Lausanne, December 2013.
- 2013-15: Member of the Organizing Committee for the 2015 15th *ESEB (European Society for Evolutionary Biology) Congress* in Lausanne, Switzerland: responsible for acquisition of conference sponsors, together with N. Alvarez.
- 2013: Co-Organizer with Josefa Gonzalez and Martin Kapun, Satellite Workshop *Creating an European Drosophila Population Genomics Network*, European *Drosophila* Research Conference (EDRC), Barcelona, Spain, 16-19 October, 2013.
- 2013: Co-Organizer with Josefa Gonzalez, Satellite Workshop *Creating an European Drosophila Population Genomics Network*, 14th Congress of the European Society for Evolutionary Biology (ESEB), Lisbon, Portugal, 19-24 August 2013.
- 2013: Co-Organizer with Bas Zwaan (Wageningen), Symposium *Mechanisms of Trade-Offs*, 14th Congress of the European Society for Evolutionary Biology (ESEB), Lisbon, Portugal, 19-24 August 2013.
- 2013: Member of Organizing Committee (main organizer: M. B. O'Connor), *2013 Insect Hormones Workshop (19th International Ecdysone Workshop)*, Minneapolis, USA.
- 2010: Co-Organizer with Christian Schlötterer, Alistair McGregor, and Carolin Kosiol, *2nd EvoVienna Meeting*, 4 May 2010, Vienna, Austria.
- 2009: Co-Organizer with Lars Gille, *Departmental Seminar Series*, Department of Biomedical Sciences, Vetmeduni (University of Veterinary Medicine) Vienna.
- 2009: Co-Organizer with Alistair McGregor, 1st Vienna *Drosophila* Meeting, 26 June 2009, Vienna, Austria.
- 2008: Co-Organizer with Andreas Heyland, Symposium *Molecular Mechanisms Underlying Life History Evolution*, Society for the Study of Evolution (SSE), University of Minnesota, Minneapolis, 20-24 June 2008.

DEPARTMENTAL AND UNIVERSITY SERVICE

- 2016: Ad hoc panel member (replacing Tadeusz Kawecki) of the PhD Fellowships Committee of the Faculty of Biology and Medicine (FBM), University of Lausanne (UNIL). of the Faculty of Biology and Medicine (FBM), University of Lausanne (UNIL).
- 2015-: Member of Organizing Committee of *BIG (Biology and Integrative Genetics) Seminar Series* in Biology, an initiative of the Faculty of Biology and Medicine (FBM), University of Lausanne (UNIL). Co-organized by Vincent Dion (Winship Herr, as of 2016), Ted Farmer, Thomas Flatt (representative of Department of Ecology and Evolution), and Sophie Martin.
- 2013-: Surrogate Member of the Council of the Faculty of Biology and Medicine (Conseil de la Faculté de Biologie et de Médecine [FBM]), University of Lausanne (UNIL) (Surrogate for Prof. Nicolas Salamin).
- 2012: Member of the Educational Working Group *Regulation and Mechanisms* for the new curriculum in Veterinary Medicine, Vetmeduni Vienna.
- 2009-12: Responsible for safety precautions regarding genetically modified organisms (GMO) at the Institute of Population Genetics, Vetmeduni Vienna.
- 2002-04: Ph.D. Student Representative, Faculty Council of the Department of Biology, University of Fribourg, Switzerland.

OTHER PROFESSIONAL SERVICE AND ACTIVITIES

- 2016: Member of Steering Committee, DFG Research Unit *Sociality and the reversal of the fecundity-longevity trade-off*
- 2016: Invited to nominate candidates for the 2017 Kyoto Prize in Basic Sciences by the Inamori Foundation (declined to due to overcommitment)
- 2016-: Member of Steering Committee of *ESEB (European Society for Evolutionary Biology) Special Topics Network (STN) "The European Drosophila Population Genomics Consortium (DrosEU)";* members: Andrea Betancourt, Josefa Gonzalez, Mike Ritchie, Bas Zwaan, Thomas Flatt.
- 2015-: Member of Scientific Advisory Board, Groningen Institute for Evolutionary Life Sciences (GELIFES), University of Groningen
- 2016: Invited Discussant, Lorentz Workshop on Translational Research in Ageing (organized by Eline Slagboom and Bas Zwaan), Lorentz Center, International Center for Workshops in the Sciences, Leiden, Netherlands
- 2014: Raised CHF 5,400 from KGF Foundation (BASF, Novartis, Roche, Syngenta) and CHF 4,000 from SKMB (Swiss Committee for Molecular Biology) for organizing *2015 Swiss Drosophila Meeting* at the University of Lausanne, April 2015, in collaboration with co-organizer Fisun Hamaratoglu (UNIL).
- 2014/15: Invited Participant, Workshop on "Heredity in the Postgenomic Era", Institute of Advanced Study Berlin, Wissenschaftskolleg zu Berlin (Wiko), 2 workshops in May 2014 and May 2015.
- 2014: Participant in Panel Roundtable Discussion about the Swiss National Science Foundation (SNF) Professorship Program, at the Life Sciences Switzerland (LS2) 2014 Annual Meeting (4-5 February 2014), University of Lausanne.
- 2013: Co-founder and member of the management committee of the European *Drosophila* Population Genomics Consortium (*DrosEU*), together with Josefa Gonzalez (Barcelona) and Martin Kapun (Lausanne).
- 2012: Invited to nominate candidates for the 2013 Kyoto Prize in Basic Sciences by the Inamori Foundation.
- 2012: Consultant / telephone interview for a BBC television documentary on metamorphosis (*Metamorphosis: The Science of Change*).
- 2012: Member of the Focus Working Group *Adaptive Plasticity*, Wissenschaftskolleg zu Berlin (Wiko), Institute for Advanced Study, Berlin, Germany. Convener: Mark Viney; Members: Ricardo Azevedo, Christian Braendle, Thomas Flatt, Jacob Koella, Sarah Reece, Stephen C. Stearns, Mark Viney.
- 2012: Invited Participant, Catalysis Meeting and Workshop *Tracking the biotic response to global climate change through genomic analysis* (organized by Alan Bergland, Dmitri Petrov [both Stanford], and Paul Schmidt [Philadelphia]), at the National Evolutionary Synthesis Center (NESCent), Duke University, Durham, NC, USA, 27-29 April 2012; Participating Member of Research Consortium *Real Time Evolution Consortium: Tracking the tempo and mode of evolution over ecologically relevant temporal and spatial scales*.
- 2008: Raised funds for organizing a Symposium from the Society for the Study of Evolution (SSE), Associate Dean's Office of the Division of Biology & Medicine, Brown University and from Fisher Scientific. \$3800.
- 2004-05: Visiting Scientist with Prof. Neal Silverman, University of Massachusetts (UMass) Medical School, Department of Medicine, Division of Infectious Diseases, Worcester, MA, USA.
- 2003: Raised CHF 10,000 from KGF Foundation (Ciba Specialty Chemicals, Novartis, Roche, Merck Serono, Syngenta) for organizing 9th European Meeting of Ph.D. Students in Evolutionary Biology, 11-16 September 2003, Fiesch, Switzerland.
- 1998-99: Visiting Scientist with Prof. Richard Shine, School of Biological Sciences, University of Sydney.
- 1998: Participant, Evolutionary Biology Workshop, Guarda, Switzerland (faculty: Nancy Knowlton, John Maynard Smith, Ian Sanders, Ulf Dieckmann, Michael Doebeli).

- 1997-99: Undergraduate Research at University of Basel, Switzerland, with Dr. Michael Doebeli (now Vancouver).
- 1997: Tropical Biology Association (TBA) "Darwin Field Course" in Tropical Biology, Makerere University Biological Field Station (MUBFS) Kibale Forest, Uganda.
- 1997: Participant, Evolutionary Biology Workshop, Guarda, Switzerland (faculty: Nancy Knowlton, Jeremy Jackson, David Haig, John Maynard Smith, Res Erhardt, Stephen C. Stearns).
- 1997-99: Undergraduate Research at University of Basel, Switzerland, with Dr. Wolfgang W. Weisser (now Munich).
- 1994: Course in Field Herpetology, Champex, Valais, Switzerland (organized by the Société Hépetologique de France).
- 1993-95: Collaborator, KARCH (Swiss Coordination Center for Conservation of Reptiles and Amphibians), Natural History Museum Bern, Switzerland.
- 1992-95: Collaborator, Official Cantonal Survey of Reptiles, Canton Solothurn, Switzerland.
- 1989-90: Research Associate with Dr. Beat Schätti, Curator of Department of Herpetology and Ichthyology, Museum of Natural History, Geneva, Switzerland (work on systematics and taxonomy of Ecuadorian *Bothrops asper* and *Bothrops atrox*; Serpentes: Viperidae: Crotalinae).

MEMBERSHIPS IN PROFESSIONAL SOCIETIES (CURRENT & PAST)

- Society for Molecular Biology & Evolution (SMBE)
- Society for the Study of Evolution (SSE)
- American Society of Naturalists (ASN)
- European Society for Evolutionary Biology (ESEB)
- European Society for Evolutionary Developmental Biology (EED)
- Evolutionary Demography Society (EDS)
- Genetics Society of America (GSA)
- Society for Integrative and Comparative Biology (SICB)
- Swiss Zoological Society (SZS)
- EvolVienna
- EDEN - Evo-Devo-Eco Network
- JEDI - Junior European *Drosophila* Investigators
- German Zoological Society (Deutsche Zoologische Gesellschaft - DZG)
- Lausanne Integrative Metabolism and Nutrition Alliance (LIMNA)
- Naturforschende Gesellschaft des Kantons Solothurn
- Société Académique Vaudoise
- etc.

RECENT COLLABORATORS

- Hugo Aguilaniu (Lyon)
- Joy Alcedo (Detroit)
- Gro Amdam (Aas & Tempe)
- Robert Arking (Detroit)
- Alan Bergland (Virginia)
- Josefa Gonzalez (Barcelona)
- Jérôme Goudet (UNIL, Lausanne)
- Ary Hoffmann (Melbourne)
- Mark Kirkpatrick (Austin)
- Tom Kirkwood (Newcastle)
- Olof Leimar, Dick Nässel, Soren Nylin, Chris Wheat, et al. (Stockholm)

- Stefan Laurent and Jeffrey Jensen (EPFL, Lausanne)
- Bruno Lemaitre (EPFL, Lausanne)
- Alistair McGregor (Oxford)
- Stig Omholt (Trondheim)
- John Pool (Madison)
- Nick Priest (Bath)
- Christian Schlötterer (Vienna)
- Paul Schmidt (Philadelphia)
- Neal Silverman (Worcester)
- Joost van den Heuvel (Wageningen)
- Tom van Dooren (Paris)
- Marc Tatar (Providence)
- Bas Zwaan (Wageningen)

COLLABORATIVE CONSORTIA

- DFG (Deutsche Forschungsgemeinschaft) Collaborative Research Unit (DFG Forschergruppe FOR 2281), entitled *Sociality and the reversal of the fecundity-longevity trade-off*.
- Participant in the *Drosophila Real Time Evolution Consortium (Dros-RTEC)* (led by D. Petrov, A. Bergland [both Stanford], P. Schmidt [Philadelphia])
- Co-founder and co-organizer of the *European Drosophila Population Genomics Consortium (DrosEU)* (together with J. Gonzalez [Barcelona] and M. Kapun [both Lausanne]). Website: <https://sites.google.com/site/droseuweb/> (funded by a ESEB Special Topics Network grant)

MEDIA COVERAGE AND INTERVIEWS (SELECTION)

- "Why Do We Age?" ("Perché s'invecchia?"), Swiss Italian TV (Radiotelevisione Svizzera [RSI La 1]), TV science show "Il giardino di Albert" ("Albert's garden"), 5 February 2017 [on *Drosophila* aging research by the Flatt lab at University of Lausanne]
- "Who wants to live forever?", *Horizons* (Swiss magazine for scientific research, published by the Swiss National Science Foundation), issue 105, June 2015, p. 36-37, by S. Koechlin [on *Drosophila* aging research by the Flatt lab at University of Lausanne]
- "The Fountain of Youth from a Petri Plate? News from Molecular Aging Research" (In German, "Der Jungbrunnen aus der Petrischale? Neues aus der molekularen Alternsforschung"), *Austrian Radio OE1 (ORF)*, Radio Show "Dimensionen – Die Welt der Wissenschaft: <http://oe1.orf.at/programm/388934>
- "Sheep Study Shows Rams With Big Horns Get The Ewe But Die Young", *Science News*, by Elizabeth Pennisi, posted: 08/23/2013 8:17 am EDT [on a paper by Johnston *et al.* 2013 in *Nature*]
- "Evolution: New Understandings of How Populations Change Over Time", *ScienceDaily*, 19 October 2012, available online at: <http://www.sciencedaily.com/releases/2012/10/121019071417.htm> [on Orozco-terWengel *et al.* 2012 in *Molecular Ecology*]
- "Genanpassungen sind kein Zufall", *science.ORF.at*, 19 October 2012, available online at: <http://science.orf.at/stories/1706591/> [on Orozco-terWengel *et al.* 2012 in *Molecular Ecology*]
- "Directing change: how do they do it?", *Vetmeduni Vienna Press Release*, 19 October 2012, available at: <http://www.vetmeduni.ac.at/en/research/research-output/press-releases/fly-adapt-temp/> [on Orozco-terWengel *et al.* 2012 in *Molecular Ecology*]
- "Fountain of Youth (in Bees): Acting Younger", *Discovery News*, July 2012. [Commentary by T. Flatt on Baker *et al.* 2012, *Experimental Gerontology*, DOI: 10.1016/j.exger.2012.05.011]
- "Young flies cannibalize the plump", *Science News*, Published online 10 July 2012 [Commentary by T. Flatt on R. Vijendravarma, S. Narasimha and T. Kaweck. Evolution of predatory cannibalism in *Drosophila melanogaster*. Evolution Ottawa: 1st Joint Congress on Evolutionary Biology, July 7, 2012. Ottawa, Canada]
- "Research Exchange at the Institute of Population Genetics" (In German, "Gelebter Forschungsaustausch am Institut für Populationsgenetik"), *Online News Vetmeduni Vienna*, 25/01/2012 and *Vetmed Magazin*, 01/12, p. 4 [on T. Flatt's sabbatical at the Wissenschaftskolleg zu Berlin, Institute of Advanced Study]

- "On flies and humans" (In German, "Von Fliegen und Menschen"), *Vetmed Magazin*, 01/2011, p. 6-7 [on the Institute of Population Genetics and the Flatt Group]
- "Flatt Group - Aging Research with Fruitflies at the Vetmeduni Vienna" (In German, "Flatt Group - Altersforschung mit Fruchtfliegen an der Vetmeduni Wien"), *Brain Power Austria Newsletter* (4/2010), Brain Power Austria, Austrian Research Promotion Agency (FFG) [on research in the Flatt Group]
- "Dietary restriction: standing up for sirtuins", by Baur et al., *Science*, 2010 Aug 27; 329 (5995):1012-1013 [on Flatt et al. 2008 in *PNAS*]
- "Sex accelerates aging" (In German, "Sex beschleunigt Alterung"), *Die Presse* (Sunday edition), Vienna, 23 May 2010, page 24 (available online at diepresse.com) [on survival costs of reproduction and research in the Flatt Group]
- "Bees forage with their guts", *Science News* (Published online 1 April 2010) [Commentary by T. Flatt on Wang et al., 2010, *PLoS Genetics* 6(4):e1000896]
- "Onto aging" (In German, "Dem Altern auf der Spur"), interview with Brain Power Austria, Austrian Research Promotion Agency (FFG), 17 February 2010, available at: http://www.brainpower-austria.at/incontent/sites/2/DE/t_column2_2363.asp [on research in the Flatt Group]
- Press breakfast, New Year's reception, University of Veterinary Medicine Vienna, 22 January 2010 [on the Institute of Population Genetics]
- "In the fast lane" (In German, "Auf der Überholspur"). *Vetmed Magazin*, 04/2009 (December), p. 23, Vetmeduni Vienna [on funding and research in the Flatt group, FWF grant P 21498-B11, and Flatt et al. 2008 in *PNAS*]
- "Living longer childless" (In German, "Kinderlos lebt sichs länger"). *Horizonte (Horizons - Magazine of the Swiss National Science Foundation)*, Nr. 83, December 2009, p. 20 [on Flatt et al. 2008 in *PNAS*]
- "Evolution: Modernizing the Modern Synthesis". *Science* 11 July 2008 321:196-197 (in News Focus) [Commentary by T. Flatt on an evolutionary biology meeting held at Austria's Konrad Lorenz Institute for Evolution and Cognition Research]
- "Eliminating germline extends fly lifespan". *United Press International*, 28 April 2008 [on Flatt et al. 2008 in *PNAS*]
- "Reproduction – fewer offspring yield longer lifespan". *Boston Globe* (Health & Science – Discoveries), 28 April, 2008 [on Flatt et al. 2008 in *PNAS*.]
- "Eliminating Germline Lengthens Fly Lifespan, Brown Study Shows". *Brown University Press Release*, released 23 April, 2008 [on Flatt et al. 2008 in *PNAS*]
- "Bee social activity tied to gene - Finding helps explain how honeybees developed their distinctive social behavior." *The Scientist* (Published online 6 March 2007) [Commentary by T. Flatt on a paper published by Gro Amdam's group: Nelson et al., 2007, *PLoS Biology* 5(3):e62]
- "Why the good guys (occasionally) win". *Brown Alumni Magazine*, September/October 2006. [on Killingback et al. 2006 in *Proc. Roy. Soc. London B*]
- "Size, it turns out, does indeed matter in business." *Boca Raton News*, 3 July 2006. [on Killingback et al. 2006 in *Proc. Roy. Soc. London B*]
- "How cooperation can evolve in a cheater's world." *Brown University Press Release* #05-145, released 29 June, 2006. [on Killingback et al. 2006 in *Proc. Roy. Soc. London B*]
- "Cooperators can prosper: population model resolves the tragedy of the commons." *BioScience* 56(5), May 2006: p. 456. [on Killingback et al. 2006 in *Proc. Roy. Soc. London B*]