Curriculum Vitae

Personal information

Fabrice Eroukhmanoff

Work experience

1. Employer: The Norwegian Medicines Agency
   - Start date: 092018
   - End date:
   - Position: Senior Advisor _ Clinical Assessment, Statistics
   - Activities:

     _ Assessment of statistical methodology for clinical trial applications and marketing authorization

     _ Scientific liaison with pharmaceutical companies and academia with regards to statistics

   - Country: Norway
2. Employer: University of Oslo, Deparment of Pharmacy
   - Start date: 2019
   - End date:
   - Position: University Lecturer
   - Activities: Applied Statistics for Pharmacists, Drug development and Clinical drug Trials
   - Country: Norway
3. Employer: University of Oslo, Deparment of Biosciences
   - Start date: 2018
   - End date:
   - Position: Guest Researcher
   - Activities: The Genomics of Rapid Evolution, Speciation and Range Expansion
   - Country: Norway
4. Employer: University of Oslo, Department of Biosciences
   - Start date: 012018
   - End date: 062018
   - Position: University Lecturer
   - Activities:

     Teaching Evolutionary Biology and Genetics at the undergraduate level

     Supervision of graduate students

   - Country: Norway
5. Employer: University of Oslo, Department of Biosciences
   - Start date: 012011
   - End date: 122017
   - Position: Researcher
   - Activities:

     Research in evolutionary ecology, genetics and genomics as Postdoc (2011_2014) and Principal Investigator (2015_2018)

     Supervision of undergraduate and graduate students

   - Country: Norway
6. Employer: Lund University
   - Start date: 012005
   - End date: 012010
   - Position: PhD Student
   - Activities:

     Research in the field of Quantitative Genetics and Evolutionary Ecology

     Teaching Ecology at the undergraduate level

   - Country: Sweden
7. Employer: Ecole Normal Superieure Paris_Saclay
   - Start date: 092002
   - End date: 062007
   - Position: ENS Fellow
   - Activities:

     Civil Servant in the fields of Research and Education (Biology)

   - Country: France

Education and training

1. Subject: Ecole Normal Superieure
   - Start date: 2002
   - End date: 2004

- Qualification: Magistere of Biochemistry and Biology
- Organisation:
- Country: France

2. Subject: University Paris VII Diderot
   - Start date: 2002
   - End date: 2004
   - Qualification: Master of Science, Molecular Biology and Biochemistry
   - Organisation:
   - Country: France
3. Subject: Lund University
   - Start date: 2005
   - End date: 2010
   - Qualification: PhD in Animal Ecology
   - Organisation:
   - Country: Sweden
4. Subject: University of Oslo
   - Start date: 2018
   - End date:
   - Qualification: Teaching competence (teaching and learning in higher education)
   - Organisation:
   - Country: Norway
5. Subject: Wine and Spirit Education Trust
   - Start date: 2018
   - End date:
   - Qualification: WSET level 2 award in Wines and Spirits, Oenology
   - Organisation:
   - Country: United Kingdom

Additional information

Publications

Cuevas, A.M., Eroukhmanoff, F., Ravinet, M., Saetre, G.P., Runemark, A. 2022. Predictors of genomic differentiation within a hybrid taxon. PLoS Genetics 18 (2), e1010027.

Yazdi, H.P., Ravinet, M., Rowe, M., Saete G.P., Guldvog, C.O., Eroukhmanoff F., Marzal, M., Magallenes, S., Runemark, A. 2022. Extensive transgressive gene expression in testis but not ovary in the homoploid hybrid Italian sparrow. Molecular Ecology. 31:4067_4077.

Lo Cascio Sætre, C., Eroukhmanoff F., Rönkäv K., Kluen, E., Thorogood, R., Torrance, J., Tracey, A., Chow, W., Pelan, S., Howe, K., Jakobsen, K.S., Tørresen, O.K. 2021. A Chromosome_Level Genome Assembly of the Reed Warbler (Acrocephalus scirpaceus). Genome Biology & Evolution. doi.org/10.1093/gbe/evab212.

Cuevas,A.M., Ravinet, M., Sætre, G.P., Eroukhmanoff, F. 2021. Intraspecific genomic variation and local adaptation in a young hybrid species. Molecular Ecology. doi.org/10.1111/mec.15760.

Borziak, K., Ravinet, M., Eroukhmanoff, F., Sætre, G.P. Dorus, S. 2020. Molecular diversification of the seminal fluid proteome in a recently diverged passerine species pair. Molecular Biology and Evolution 37:488_506.

Rowe, M., Witthington, E., Borziak, K., Ravinet, M., Eroukhmanoff, F., Sætre, G.P. Dorus, S. 2020. Molecular diversification of the seminal fluid proteome in a recently diverged passerine species pair. Molecular Biology and Evolution 37:488_506.

Cramer, ERA., Rowe, M., Eroukhmanoff, F., Lifjeld, J.T., Sætre, G.P. Johnsen A. 2019. Measuring sperm swimming performance in birds: effects of dilution, suspension medium, mechanical agitation, and sperm number. Journal of Ornithology 1_11.

Runemark, A., Eroukhmanoff, F., Bolanos A.N., Hermansen, J.S., Meier J. 2018. Hybridization, sex specific genomic architecture and local adaptation. Philosophical Transactions of the Royal Society B doi: 10.1098/rstb.2017.0419.

Lo Cascio Sætre, C., C. Coleiro, M. Austad, M. Gauci, G._P. Sætre, K.L. Voje, F. Eroukhmanoff. 2018. Reply to 'Inconclusive evidence for rapid adaptive evolution'. Nature Communications doi.org/10.1038/s41467_018_05120_9.

Runemark, A. , Fernandez, L. P., Eroukhmanoff, F., G._P. Sætre. 2018. Genomic contingencies and the potential for local adaptation in a hybrid species. The American Naturalist 192, 000_000.

Runemark, A. , C.N. Trier, F. Eroukhmanoff, J.S. Hermansen, M. Matschiner, M. Ravinet, T.O. Elgvin, G._P. Sætre . 2018. Variation and constraints in hybrid genome formation. Nature Ecology and Evolution 2:549–556 doi.10.1038/s41559_017_0437_7.

G._P. Sætre, A. Cuevas, J.S. Hermansen, T.O. Elgvin, L. Pineiro Fernandez, S.A. Sæther, Lo Cascio Sætre, F. Eroukhmanoff. 2017. Rapid polygenic response to secondary contact in a hybrid species. Proceedings of the Royal Society B 284: 20170365.

Lo Cascio Sætre, C., C. Coleiro, M. Austad, M. Gauci, G._P. Sætre, K.L. Voje, F. Eroukhmanoff. 2017. Rapid adaptive phenotypic change following colonization of a newly restored habitat. Nature Communications doi:10.1038/ncomms14159.

Eroukhmanoff, F, M. Rowe, ERA Cramer, F Haas, JS. Hermansen, A Runemark, A Johnsen, & G_Pr Sætre. 2016. Experimental evidence for ovarian hypofunction in sparrow hybrids. Avian Research 7, 3 DOI: 10.1186/s40657_016_0038_1.

Green Karlsson, K., F. Eroukhmanoff, Harris, S., E. I. Svensson & L. B. Pettersson. 2016. Rapid changes in genetic architecture of behavioural syndromes following colonisation of a novel environment. Journal of Evolutionary Biology 29, 144_152.

Seehausen, O, Roger K Butlin, Irene Keller, Catherine E Wagner, Janette W Boughman, Paul A Hohenlohe, Catherine L Peichel, Glenn_Peter Saetre, Claudia Bank, Ake Brännström, Alan Brelsford, Chris S Clarkson, Fabrice Eroukhmanoff, Jeffrey L Feder, Martin C Fischer, Andrew D Foote, Paolo Franchini, Chris D Jiggins, Felicity C Jones, Anna K Lindholm, Kay Lucek, Martine E Maan, David A Marques, Simon H Martin, Blake Matthews, Joana I Meier, Markus Möst, Michael W Nachman, Etsuko Nonaka, Diana J Rennison, Julia Schwarzer, Eric T Watson, Anja M Westram, Alex Widmer. 2014. Genomics and the origin of species. Nature Reviews Genetics 15, 176–192.

Eroukhmanoff, F., Elgvin, T.O., Gonzalez Rojas, M. F., Haas, F., Hermansen, J.S. and G._P. Saetre. 2014. Effects of species interaction on beak integration in an avian hybrid species complex. Evolutionary Biology DOI 10.1007/s11692_014_9278_3.

Cramer, E.R.A., Laskemoen, T., Eroukhmanoff, F., Haas, F., Hermansen, J.S.,Lifjeld, J., Rowe, M., Sætre, G._P_, Jensen, A. 2014. Testing for potential post_mating pre_zygotic isolation in a passerine species pair. Behavioral Ecology and Sociobiology. DOI 10.1007/s00265_014_1724_9.

Abbott R, Albach D, Ansell S, Arntzen J. W., Baird SJE., Bierne N, Boughman J, Brelsford A, Buerkle CA, Buggs CA, Butlin RK, Dieckmann U, Eroukhmanoff F, Grill A, Helms Cahan S, Hermansen JS, Hewitt G, Hudson A, Jiggins C, Jones J, Keller B, Marczewski T, Mallet J, Martinez_Rodriguez P, Möst M, Mullen S, Nichols R, Nolte AW, Parisod C, Pfennig K, Rice AM, Ritchie MG, Seifert B, Smadja CM, Stelkens R, Szymura JM, Väinöla R, Wolf JBW, Zinner D. 2013. Hybridization and speciation. Journal of Evolutionary Biology 26: 229_246.

Eroukhmanoff, F., Hermansen, J. S., Bailey, R. I., Saether, S. A. and G._P. Saetre. 2013. Local adaptation within a hybrid species. Heredity 111: 286_292.

Eroukhmanoff, F., Bailey RI & Sætre G_P. 2013. Hybridization and genomeevolution I: The role of contingency during hybrid speciation.Current Zoology 59:667_674.

Bailey RI, Eroukhmanoff, F. & Sætre G_P. 2013. Hybridization and genome evolution II: Mechanisms of species divergence and their effects on evolution in hybrids. Current Zoology 59: 675_685.

Eroukhmanoff, F. & E.I. Svensson. 2011. Evolution and stability of the G_matrix during colonization of a novel environement. Journal of Evolutionary Biology 24: 1363_1373.

Eroukhmanoff, F., Hargeby, A., & E. I. Svensson. 2011. The importance of different reproductive barriers during phenotypic divergence in isopod ecotypes. Evolution 65: 2631_2640.

Harris, S., F. Eroukhmanoff, K. Karlsson, E. I. Svensson & L. B. Pettersson. 2011. Changes in behavioural trait integration following rapid ecotype divergence in an aquatic isopod. Journal of Evolutionary Biology 24. 1887_1896.

Svensson, E. I., Eroukhmanoff F., Karlsson, K., Runemark, A. and A. Brodin. 2010. A role for learning in population divergence of mate preference. Evolution 64:3101_3113.

Karlsson, K., F. Eroukhmanoff & E. I. Svensson. 2010. Phenotypic Plasticity towards the Social Environment: Effects of Density and Sex Ratio on Mating Behaviour Following Ecotype Divergence. PLoS ONE 5(9): e12755. doi:10.1371/journal.pone.0012755,

Karlsson, K., F. Eroukhmanoff, R. Härdling & E. I. Svensson. 2010. Parallel divergence in mating behaviour in an aquatic isopod. Journal of Evolutionary Biology 12: 2540_2549.

Eroukhmanoff, F., Hargeby, A., Nowshiravani Arnberg N., Hellgren, O., Bensch, S. & E. I. Svensson. 2009. Parallelism and historical contingency during rapid ecotype divergence in an isopod. Journal of Evolutionary Biology 22: 1098_1110.

Eroukhmanoff, F., Outomuro, D., Ocharan, F. J. & E. I.Svensson. 2009. Patterns of phenotypic divergence in the wing covariance structure of calopterygid damselflies. Evolutionary Biology 36:214_224.

Eroukhmanoff, F. 2009. Just how much is the G_matrix actually constraining adaptation? Evolutionary Biology 36:323_326.

Eroukhmanoff, F. & E. I.Svensson. 2009. Contemporary parallel diversification, antipredator adaptations and phenotiypic integration in an aquatic isopod. PLoS ONE 4(7): e6173. doi:10.1371/journal.pone.0006173.

Eroukhmanoff, F., Hargeby, A., & E. I. Svensson. 2009. Rapid adaptive divergence between ecotypes of an aquatic isopod inferred from FST_QSTanalyses. Molecular Ecology 18:4912–4923.

Eroukhmanoff, F. & E. I. Svensson. 2008. Phenotypic integration and conserved covariance structure in calopterygid damselflies. Journal of Evolutionary Biology 21: 514_526.

Svensson, E.I., Karlsson, K., Friberg, M & F. Eroukhmanoff. 2007. Gender differences in species recognition and the evolution of asymmetric sexual isolation. Current Biology 17: 1_5.

Svensson, E. I., Eroukhmanoff, F. & M. Friberg,. 2006. Effects of natural and sexual selection on adaptive population divergence and premating isolation in a damselfly. Evolution 60:1242_1253.

Projects

Memberships

Member of the EMA/HMA Big Data Taskforce (2019-2020)

Member of the Biostatistics Operational Group - ESEC (2023-present)

Guest researcher at Centre of Ecological and Evolutionary Synthesis, University of Oslo

Other Relevant Information