

PUBLICATION LIST – DR. PHIL. FELIX GUGERLI

Original publications (ISI/reviewed; * = senior author)

Bibliographic records as of April 2020 (ISI Core Collection)

Number of articles listed in Web of Science: 108

Number of citations: 4094 (average 37.91)

h-index: 38

* Csilléry K, Sperisen C, Ovaskainen O, Buchmann N, Widmer A, Gugerli F. 2019. Adaptation to local climate in a multi-trait space: evidence from silver fir (*Abies alba* Mill.) populations across a heterogeneous environment. **Heredity** 124: 77–92. (presubmission at **bioRxiv** doi: 10.1101/292540)

Dauphin B, Wüest RO, Brodbeck S, Zoller S, Fischer MC, Holderegger R, Gugerli F, Rellstab C (in press). Disentangling the effects of geographic peripheralness and habitat suitability on neutral and adaptive genetic variation in Swiss stone pine. **Molecular Ecology**.

Martínez-Sancho E, Slámová L, Morganti S, Grefen C, Carvalho B, Dauphin B, Rellstab C, Gugerli F, Opgenoorth L, Heer K, Knutzen F, von Arx G, Valladares F, Cavers S, Fady B, Alía R, Aravanopoulos F, Avanzi C, Bagnoli F, Barbas E, Bastien C, Benavides R, Bernier F, Bodineau G, Bastias CC, Charpentier J-P, Climent JM, Corréard M, Courdier F, Danusevicius D, Farsakoglou A-M, García del Barrio JM, Gilg O, González-Martínez SC, Gray A, Hartleitner C, Hurel A, Jouineau A, Kärkkäinen K, Kujala ST, Labriola M, Lascoux M, Lefebvre M, Lejeune V, Le Provost G, Liesebach M, Malliarou E, Matesanz S, Michotey C, Milesi P, Myking T, Notivol E, Pakull B, Piotti A, Plomion C, Pringarbe M, Pyhäjärvi T, Raffin A, Ramírez-Valiente JA, Ramskogler K, Robledo-Arnuncio JJ, Savolainen O, Schueler S, Semerikov V, Spanu I, Thévenet J, Tollefsrud MM, Turion N, Veisse D, Vendramin GG, Villar M, Westin J, Fonti P 2020. The GenTree dendroecological collection: tree-ring and wood density data from seven tree species across Europe. **Scientific Data** 7: 1, DOI: 10.1038/s41597-019-0340-y.

Rellstab C, Zoller S, Sailer C, Tedder A, Gugerli F, Shimizu KK, Holderegger R, Widmer A, Fischer MC (in revision). Genomic signatures of convergent adaptation to Alpine environments in three Brassicaceae species. **Molecular Ecology**.

Reutimann O, Gugerli F, Rellstab C 2020. A species-discriminatory single-nucleotide polymorphism set reveals maintenance of species integrity in hybridizing European white oaks (*Quercus* spp.) despite high levels of admixture. **Annals of Botany** 125: 663–676.

* Schürz L, Bollmann K, Rehnus M, Gugerli F (in revision). Hare's affairs: Lessons learnt from a genetic monitoring for tracking individuals and potential hybridization based on noninvasive sampling in mountain hare **Ecology and Evolution**.

Choudhury RA, Rogivue A, Gugerli F, Parisod C 2019. Impact of polymorphic transposable element distributions on recombination across the genome. **Molecular Ecology** 28: 1550–1562.

Gugerli F, Moretti M, Graf R, Maier M, Corrado C, Collatz J, Trivellone V 2019. Genetische Vielfalt von *Trichopria drosophilae*, einem natürlichen Feind der Kirschessigfliege. **Agrarforschung Schweiz** 10: 396–401. (also in French)

Holderegger R, Balkenhol N, Bolliger J, Engler JO, Gugerli F, Hochkirch A, Nowak C, Segelbacher G, Widmer A, Zachos FE 2019. Linking conservation genetics science with practice. **Molecular Ecology** 28: 3848–3856.

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- * Luqman H, Muller R, Vaupel A, Brodbeck S, Bolliger J, Gugerli F 2018. No distinct barrier effects of highways and a wide river on the genetic structure of the Alpine newt (*Ichthyosaura alpestris*) in densely settled landscapes. **Conservation Genetics** 19: 673–685.
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Articles in review or nearly so....

- * Mosca E, Bonosi L, Zulini L, Vecchione A, Neale DB, Gugerli F **in prep**. Adaptation of forest trees to climate change in the Alps: phenotypic traits as a reaction to temperature stress in ecologically contrasting Alpine *Pinus cembra* and *Picea abies* families. ???
 - * Salzer K, Thee P, Bollmann K, Gugerli F **in revision**. Pollen- and seed-mediated gene flow in a peripheral population of the bird-dispersed Swiss stone pine (*Pinus cembra*). **Tree Genetics & Genomes**.
 - * Vaupel A, Nagel D, Ellenbroek T, Bolliger J, Gugerli F **in revision**. Low effect of traffic infrastructure on genetic exchange in water frogs in relation to other landscape elements and the spatial arrangement of populations. **Ecology and Evolution**.
- Vidalis A, Hosius B, Ziehe M, Kremer A, Lefèvre F, Gugerli F, Beuker E, Kowalczyk J, Finkeldey R **in prep**. Complex selective responses of oak seedlings to translocations.
- * Weber S, Thiel-Egenter C, Gielly L, IntraBioDiv Consortium, Gugerli F **in prep**. Multispecies genetic diversity in alpine plants reveals spatial inconsistencies. ???.

Invited conference contributions

IALE World Congress, Wageningen; Plant and Animal Conservation Ecology, Zürich; Adaptive Landscape Genetics, Neuchâtel; ...

Invited seminar presentations

University of Bern; University of Zürich; University of Basel; University of Lausanne; ETH Zürich; University of Toronto; Technical University of Munich; Vokshochschule Zürich; Botanical Societies of Basel, Bern, Zürich; Murithienne; Lyceum Club Zürich; KAWA Bern, Seniorenforum Zürcher Oberland, Seniorenuniversität Zürich, CEFE Montpellier, INRA Avignon,

Woetzel S, Kemi U, Wunder J, Albani MC, Andrello M, Friberg M, Gugerli F, Koch MA, Laenen B, Rogivue A, Schneeberger K, Slotte T, Coupland G submitted. *Arabis alpina* and relatives—a model system for ecological genetics and life-history evolution. **New Phytologist**.