

## Complete list of publications Florian M. Steiner

March 2018

### SCI journals

Tratter Kinzner, M., M.-C. Kinzner, R. Kaufmann, A.A. Hoffmann, W. Arthofer, B.C. Schlick-Steiner & F.M. Steiner (submitted): Is temperature preference in the laboratory ecologically relevant for the field?

Gollner, A., K. Heller, W. Arthofer, F.M. Steiner, B.C. Schlick-Steiner & J. Seeber (submitted): Phylogenetic analyses of the Sciaridae.

Heussler, C.D., A. Walter, H. Oberkofler, H. Insam, W. Arthofer, B.C. Schlick-Steiner & F.M. Steiner (in revision): Influence of three artificial light sources on oviposition and half-life of the Black Soldier Fly, *Hermetia illucens* (Diptera: Stratiomyidae): improving small-scale indoor rearing.

Wagner, H.C., A. Gamisch, W. Arthofer, K. Moder, F.M. Steiner & B.C. Schlick-Steiner (in revision): Evolution of morphological crypsis in the *Tetramorium caespitum* ant species complex (Hymenoptera: Formicidae).

Steiner, F.M., S. Csösz, B. Markó, A. Gamisch, L. Rinnhofer, C. Folterbauer, S. Hammerle, C. Stauffer, W. Arthofer & B.C. Schlick-Steiner (revised version submitted): Turning one into five: integrative taxonomy uncovers complex evolution of cryptic species in the harvester ant *Messor "structor"*.

Kinzner, M.-C., P. Krapf, M. Nindl, C. Heussler, S. Eisenkölbl, A.A. Hoffmann, J. Seeber, W. Arthofer, B.C. Schlick-Steiner & F.M. Steiner (2018): Life-history traits and physiological limits of the alpine fly *Drosophila nigrosparsa* (Diptera: Drosophilidae): a comparative study. – Ecology and Evolution 8: 2006-2020.

Arthofer, W., C. Heussler, C., P. Krapf, B.C. Schlick-Steiner & F.M. Steiner (2017): Identifying the minimum number of microsatellite loci needed to assess population genetic structure: a case study in fly culturing. – Fly, doi: <https://doi.org/10.1080/19336934.2017.1396400>.

Wagner, H.C., Arthofer, W., Seifert, B., Muster, C., F.M. Steiner & B.C. Schlick-Steiner (2017): Light at the end of the tunnel: Integrative taxonomy delimits cryptic species in the *Tetramorium caespitum* complex (Hymenoptera: Formicidae). – Myrmecological News 25: 95-129.

Krapf, P., L. Russo, W. Arthofer, M. Möst, F.M. Steiner & B.C. Schlick-Steiner (2017): An Alpine ant's behavioural polymorphism: monogyny with and without internest aggression in *Tetramorium alpestre*. – Ethology Ecology & Evolution; doi: 10.1080/03949370.2017.1343868.

Riss, S., W. Arthofer, F.M. Steiner, B.C. Schlick-Steiner, M. Pichler, P. Stadler & C.-P. Stelzer (2017): Do genome size differences within *Brachionus asplanchnoidis* (Rotifera, Monogononta) cause reproductive barriers among geographic populations? – Hydrobiologia 796: 59-75.

Steinwandter, M., B.C. Schlick-Steiner, G.U. Seeber, F.M. Steiner & J. Seeber (2017): Effects of Alpine land-use changes: soil macrofauna community revisited. – Ecology and Evolution 7: 5389–5399.

Cicconardi, F., P. Marcatili, W. Arthofer, B.C. Schlick-Steiner & F.M. Steiner (2017): Positive diversifying selection is a pervasive adaptive force throughout the *Drosophila* radiation. – Molecular Phylogenetics and Evolution 112: 230-243.

Peham, T., F.M. Steiner, B.C. Schlick-Steiner & W. Arthofer (2017): Are we ready to detect nematode diversity by next generation sequencing? – Ecology and Evolution 7: 4147-4151.

Cicconardi, F., D. Di Marino, P.P. Olimpieri, W. Arthofer, B.C. Schlick-Steiner & F.M. Steiner (2017): Chemosensory adaptations of the mountain fly *Drosophila nigrosparsa* (Insecta: Diptera) through genomics' and structural biology's lenses. – Scientific Reports 7: 43770.

Kinzner, M.-C., M. Tratter, G. Bächli, M. Kirchmair, R. Kaufmann, W. Arthofer, B.C. Schlick-Steiner & F.M. Steiner (2016): Oviposition substrate of the mountain fly *Drosophila nigrosparsa* (Diptera: Drosophilidae). – Public Library of Science One 11: e0165743.

Arthofer, W., C. Decristoforo, B.C. Schlick-Steiner & F.M. Steiner (2016): Ultra-low activities

of a common radioisotope for permission-free tracking of a drosophilid fly in its natural habitat. – *Scientific Reports* 6: 36506.

Dejaco, T., M. Gassner, W. Arthofer, B.C. Schlick-Steiner & F.M. Steiner (2016): Taxonomist's nightmare ... evolutionist's delight: an integrative approach resolves species limits in jumping bristletails despite widespread hybridization and parthenogenesis. – *Systematic Biology* 65: 947-974.

Ceríaco, L.M., ..., W. Arthofer, B.C. Schlick-Steiner, F.M. Steiner, T. Weisse, ... (2016): Photography-based taxonomy is inadequate, unnecessary, and potentially harmful for biological sciences. – *Zootaxa* 4196: 435-445.

Amorim, D.S., C.M.D. Santos, F. Krell, A. Dubois, S.S. Nihei, O.M.P. Oliveira, A. Pont, H. Song, V.K. Verdade, D.A. Fachin, B. Klassa, C.J.E. Lamas, S.S. Oliveira, C.J.B. de Carvalho, C.A. Mello-Patiu, E. Hajdu, M.S. Couri, V.C. Silva, R.S. Capellari, R.L. Falaschi, R.M. Feitosa, L. Prendini, J.P. Pombal, F. Fernández, R.M. Rocha, J.E. Lattke, U. Caramaschi, M. Duarte, A.C. Marques, R.E. Reis, O. Kurina, D.M. Takiya, M. Tavares, D.S. Fernandes, F.L. Franco, F. Cuezco, D. Paulson, B. Guénard, B.C. Schlick-Steiner, W. Arthofer, F.M. Steiner, B.L. Fisher, R.A. Johnson, T.D. Delsinne, D.A. Donoso, P.R. Mulieri, L.D. Patitucci, J.M. Carpenter, L. Herman & D. Grimaldi (2016): Timeless standards for species delimitation. – *Zootaxa* 4137: 121-128.

Wachter, G., A. Papadopoulou, C. Muster, W. Arthofer, L.L. Knowles, F.M. Steiner & B.C. Schlick-Steiner (2016): Glacial refugia, recolonisation patterns, and diversification forces in Alpine-endemic *Megabunus* harvestmen. – *Molecular Ecology* 25: 2904-2919.

Schuler, H., K. Köppler, S. Daxböck-Horvath, B. Rasool, S. Krumböck, D. Schwarz, T.S. Hoffmeister, B.C. Schlick-Steiner, F.M. Steiner, A. Telschow, C. Stauffer, W. Arthofer & M. Riegler (2016): The hitchhiker's guide to Europe: the infection dynamics of an ongoing *Wolbachia* invasion and mitochondrial selective sweep in *Rhagoletis cerasi*. – *Molecular Ecology* 25:1595-609.

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Wagner, H.C., F. Cicconardi, G.A. Wachter, H. Ritthammer, F.M. Steiner, B.C. Schlick-Steiner & W. Arthofer (2015): A reduced representation libraries approach for nuclear marker development via 454 sequencing applied on *Tetramorium* (Hymenoptera: Formicidae). In: *Genomic Resources Notes* accepted 1 February 2015 – 31 March 2015. – *Molecular Ecology Resources* 15: 1014-1015.

Steiner, F.M., M. Pautasso, H. Zettel, K. Moder, W. Arthofer & B.C. Schlick-Steiner (2015): A falsification of the citation impediment in the taxonomic literature. – *Systematic Biology* 64: 860-868.

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