

Selected publications Florian M. Steiner

June 2017

SCI journals

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.

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.

Wachter, G.A., C. Muster, W. Arthofer, G. Raspotnig, P. Föttinger, C. Komposch, F.M. Steiner & B.C. Schlick-Steiner (2015): Taking the discovery approach in integrative taxonomy: decrypting a complex of narrow-endemic Alpine harvestmen (Opiliones: Phalangidae: *Megabunus*). – Molecular Ecology 24: 863-889.

Wachter, G.A., W. Arthofer, T. Dejaco, L.J. Rinnhofer, F.M. Steiner & B.C. Schlick-Steiner (2012): Pleistocene survival on central Alpine nunataks: genetic evidence from the jumping bristletail *Machilis pallida*. – Molecular Ecology 21: 4983–4995.

Arthofer, W., B.C. Schlick-Steiner & F.M. Steiner (2011): optiFLP: software for automated optimization of amplified fragment length polymorphism scoring parameters. – Molecular Ecology Resources 11: 1113-1118.

Schlick-Steiner, B.C., F.M. Steiner, B. Seifert, C. Stauffer, E. Christian & R.H. Crozier (2010): Integrative taxonomy: a multi-source approach to exploring biodiversity. – Annual Review of Entomology 55: 421-438.

Steiner, F.M., B.C. Schlick-Steiner, J. VanDerWal, K. Reuther, E. Christian, C. Stauffer, A.V. Suarez, S.E. Williams & R.H. Crozier (2008): Combined modelling of distribution and niche in invasion biology: a case study of two invasive *Tetramorium* ant species. – Diversity and Distributions 14: 538-545.

Schlick-Steiner, B.C., F.M. Steiner, H. Konrad, B. Seifert, E. Christian, K. Moder, C. Stauffer & R.H. Crozier (2008): Specificity and transmission mosaic of ant nest wall fungi. – Proceedings of the National Academy of Sciences of the United States of America 105: 941-944.

Steiner, F.M., B.C. Schlick-Steiner, K. Moder, C. Stauffer, W. Arthofer, A. Buschinger, X. Espadaler, E. Christian, K. Einfinger, E. Lorbeer, C. Schafellner, M. Ayasse & R.H. Crozier (2007): Abandoning aggression but maintaining self-nonsel self discrimination as a first stage in ant supercolony formation. – Current Biology 17: 1903-1907.

Schlick-Steiner, B.C., B. Seifert, C. Stauffer, E. Christian, R.H. Crozier & F.M. Steiner (2007): Without morphology cryptic species stay in taxonomic crypsis following discovery. – Trends in Ecology and Evolution 22: 391-392.

Schlick-Steiner, B.C., F.M. Steiner, K. Moder, A. Bruckner, K. Fiedler & E. Christian (2006): Assessing ant assemblages: Pitfall trapping versus nest counting. – Insectes Sociaux 53: 274-281.

Schlick-Steiner, B.C., F.M. Steiner, K. Moder, B. Seifert, M. Sanetra, E. Dyreson, C. Stauffer & E. Christian (2006): A multidisciplinary approach reveals cryptic diversity in western Palearctic *Tetramorium* ants (Hymenoptera: Formicidae). – Molecular Phylogenetics and Evolution 40: 259-273.

Schlick-Steiner, B.C., F.M. Steiner, H. Höttinger, A. Nikiforov, R. Mistrik, C. Schafellner, P. Baier & E. Christian (2004): A butterfly's chemical key to various ant forts: intersection-odour or aggregate-odour multi-host mimicry?. – Naturwissenschaften 91: 209-214.