

Public CV

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Appointments

2023- Senior Consultant, SUND Research and Innovation, University of Copenhagen
2018-2023 Research Adviser, SUND Research and Innovation, University of Copenhagen
2015-2018 Assistant Professor, Department of Biology, University of Copenhagen
2014 Junior Fellow, Wissenschaftskolleg zu Berlin (Institute for Advanced Study Berlin)
2011-2015 Postdoc, Group Cremer, IST Austria
2006-2007 Research Assistant, Department of Zoology, University of Regensburg

Education

2007-2010 PhD student, Department of Biology, University of Copenhagen (incl. 5 months at Department of Organismic and Evolutionary Biology, Harvard University)
2003-2006 MSc student, Department of Biology, University of Copenhagen
199-2003 BSc student, Department of Biology, University of Copenhagen

Publications

Immune challenges increase network centrality in a queenless ant

Alciatore, G., Ugelvig, Line Vej, Frank, E., Bidaux, J., Gal, A., Schmitt, T., Kronauer, D. J. C. & Ulrich, Y., 2021, In: Proceedings of the Royal Society B: Biological Sciences. 288, 1958, 9 p., 20211456.

Patterns of host use by brood parasitic *Maculinea* butterflies across Europe

Tartally, A., Thomas, J. A., Anton, C., Balletto, E., Barbero, F., Bonelli, S., Bräu, M., Casacci, L. P., Csósz, S., Czekeš, Z., Dolek, M., Dziekanska, I., Elmes, G., Fürst, M. A., Glinka, U., Hochberg, M. E., Höttinger, H., Hula, V., Maes, D., Munguira, M. L. & 19 others, Musche, M., Nowicki, P., Oliveira, P. S., Peregovits, L., Ritter, S., Schlick-Steiner, B. C., Settele, J., Sielezniew, M., Simcox, D. J., Stankiewicz, A. M., Steiner, F. M., Švitra, G., Ugelvig, Line Vej, Van Dyck, H., Varga, Z., Witek, M., Woyciechowski, M., Wynhoff, I. & Nash, David Richard, 2019, In: Philosophical Transactions of the Royal Society B: Biological Sciences. 374, 1769, 20180202.

Destructive disinfection of infected brood prevents systemic disease spread in ant colonies

Pull, C. D., Ugelvig, Line Vej, Wiesenhofer, F., Grasse, A. V., Tragust, S., Schmitt, T., Brown, M. J. F. & Cremer, S., 9 Jan 2018, In: eLife. 7, 29 p., e32073.

Camponotus floridanus* ants incur a trade-off between phenotypic development and pathogen susceptibility from their mutualistic endosymbiont *Blochmannia

Sinotte, Veronica Marie, Freedman, S. N., Ugelvig, Line Vej & Seid, M. A., 2018, In: Insects. 9, 2, p. 1-14 58.

Gender equity at scientific events

Débarre, F., Rode, N. O. & Ugelvig, Line Vej, 2018, In: Evolution Letters. 2/3, p. 148-158 11 p.

Opposing effects of allogrooming on disease transmission in ant societies

Theis, F. J., Ugelvig, Line Vej, Marr, C. & Cremer, S., 2015, In: Philosophical Transactions of the Royal Society B: Biological Sciences.

Increased grooming after repeated brood care provides sanitary benefits in a clonal ant

Westhus, C., Ugelvig, Line Vej, Tourdot, E., Heinze, J., Doums, C. & Cremer, S., 2014, In: Behavioral Ecology and Sociobiology. 68, 10, p. 1701-1710

Ants disinfect fungus-exposed brood by oral uptake and spread of their poison

Tragust, S., Mitteregger, B., Barone, V., Konrad, M., Ugelvig, Line Vej & Cremer, S., 2013, In: Current Biology. 23/1, p. 76-82

Pupal cocoons affect sanitary brood care and limit fungal infections in ant colonies

Tragust, S., Ugelvig, Line Vej, Chapuisat, M., Heinze, J. & Cremer, S., 2013, In: BMC Evolutionary Biology. 13, p. 225

Dispersal and gene flow in the rare, parasitic Large Blue butterfly *Maculinea arion*

Ugelvig, Line Vej, Andersen, A., Boomsma, Jacobus J. & Nash, David Richard, 2012, In: Molecular Ecology. 21, 13, p. 3224-3236 13 p.

Effects of social immunity and unicoloniality on host-parasite interactions in invasive insect societies

Ugelvig, Line Vej & Cremer, S., 2012, In: Functional Ecology. 26, p. 1300-1312

Social transfer of pathogenic fungus promotes active immunisation in ant colonies

Konrad, M., Vyleta, M. L., Theis, F. J., Stock, M., Tragust, S., Klatt, M., Drescher, V., Marr, C., Ugelvig, Line Vej & Cremer, S., 2012, In: PLOS Biology. 10, 4, e1001300.

A phylogenetic revision of the *Glaucopsyche* section (Lepidoptera: Lycaenidae), with special focus on the Phengaris-*Maculinea* clade.

Ugelvig, Line Vej, Vila, R., Pierce, N. E. & Nash, David Richard, 1 Oct 2011, In: Molecular Phylogenetics and Evolution. 61, 1, p. 237-243 6 p.

Reconstructing eight decades of genetic variation in an isolated Danish population of the large blue butterfly *Maculinea arion*

Ugelvig, Line Vej, Nielsen, P. S., Boomsma, Jacobus J. & Nash, David Richard, 2011, In: BMC Evolutionary Biology. 11, p. 201 10 p.

Ecological genetics and evolution of the Large Blue butterfly – consequences of an extraordinary lifecycle

Ugelvig, Line Vej, 2010, Biologisk Institut: Museum Tusulanum.

Rapid anti-pathogen response in ant societies relies on high genetic diversity

Ugelvig, Line Vej, Kronauer, D. J. C., Schrempf, A., Heinze, J. & Cremer, S., 2010, In: Proceedings of the Royal Society of London. Biological Sciences. 277, 1695, p. 2821-2828 8 p.

The evolution of invasiveness in garden ants

Cremer, S., Ugelvig, Line Vej, Drijfhout, F. P., Schlick-Steiner, B. C., Steiner, F. M., Seifert, B., Hughes, D. P., Schulz, A., Petersen, K. S., Konrad, H., Stauffer, C., Kiran, K., Espadaler, X., d'Ettorre, P., Aktaç, N., Eilenberg, Jørgen, Jones, G. R., Nash, David Richard, Pedersen, Jes Søe & Boomsma, Jacobus J., 2008, In: PLoS ONE. 3, 12, 9 p.

The introduction history of invasive garden ants in Europe: integrating genetic, chemical and behavioural approaches

Ugelvig, Line Vej, Drijfhout, F., Kronauer, D., Boomsma, Jacobus J., Pedersen, Jes Søe & Cremer, S., 2008, In: BMC Biology. 6, p. 1-14 11.

Social prophylaxis: group interaction promotes collective immunity in ant colonies.

Ugelvig, Line Vej & Cremer, S., 2007, In: Current Biology. 17, 22, p. 1967-71 4 p.

Attack of the invasive garden ant: aggression behaviour of *Lasius neglectus* (Hymenoptera: Formicidae) against native *Lasius* species in Spain

Cremer, S., Ugelvig, Line Vej, Lommen, S. T. E., Petersen, K. S. & Pedersen, Jes Søren, 2006, In: Myrmecologische Nachrichten. 9, p. 13-19

Density-dependence and within-host competition in a semelparous parasite of leaf-cutting ants.

Hughes, W., Petersen, K., Ugelvig, Line Vej, Pedersen, D., Thomsen, L., Poulsen, Michael & Boomsma, Jacobus J., 2004 , In: BMC Evolutionary Biology. 4, 1, p. 45 1 p.