

Institute of Parasitology, University of Zurich

Vector Entomology Unit

Publications on arthropods and arthropod-borne pathogens (March 2018)

2018

Veronesi, E., A. Paslaru, C. Silaghi, K. Tobler, U. Glavinic, P. Torgerson, A. Mathis (2018): Experimental evaluation of infection, dissemination and transmission rates for two West Nile virus strains in European *Aedes japonicus* under a fluctuating temperature regime. Parasitology Research (accepted for publication).

Wagner, S., V. Guidi, P.R. Torgerson, A. Mathis, F. Schaffner (2018): Diversity and seasonal abundances of mosquitoes at potential arboviral transmission sites in two different climate zones in Switzerland. Medical and Veterinary Entomology (ahead of print, doi: 10.1111/mve.12292).

Wagner, S., A. Mathis, A.C. Schönenberger, S. Becker, J. Schmidt-Chanasit, C. Silaghi, E. Veronesi (2018): Vector competence of field populations of *Aedes japonicus japonicus* and *Culex pipiens* from Switzerland for two West Nile virus strains. Medical and Veterinary Entomology 32: 121-124 (doi: 10.1111/mve.12273)

Barber, J., L.E. Harrup, R. Silk, E. Veronesi, S. Gubbins, K. Bachanek-Bankowska, S. Carpenter (2018): Blood feeding, susceptibility to infection with Schmallenberg virus and phylogenetics of *Culicoides* (Diptera: Ceratopogonidae) from the United Kingdom. Parasites & Vectors 11: 116.

Mills MK., K. Michel, R.S. Pfannenstiel, M.G. Ruder, E. Veronesi, D. Nayduch (2017): *Culicoides* – virus interactions: infection barriers and possible factors underlying vector competence. Current Opinion in Insect Science 22: 7-15.

Tomassone, L., E. Berriatua, R. De Sousa, G.G. Duscher, A.D. Mihalca, C. Silaghi, H. Sprong, A. Zintl (2018): Neglected vector-borne zoonoses in Europe: Into the wild. Veterinary Parasitology 251: 17-26.

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2017

Silaghi C., R. Beck, G. Capelli, F. Montarsi, A. Mathis (2017): Development of *Dirofilaria immitis* and *Dirofilaria repens* in *Aedes japonicus* and *Aedes geniculatus*. Parasite & Vectors 10: 94.

Mills M. K., K. Michel, R.S. Pfannenstiel, M.G. Ruder, E. Veronesi, D. Nayduch (2017): *Culicoides* - virus interactions: infection barriers and possible factors underlying vector competence. Current Opinion in Insect Science 22: 7-15.

Cuellar, A. C., L. J. Kjær, H. Skovgaard, S.A. Nielsen, A. Stockmarr, G. Anderson, A. Lindström, J. Chirico, T. Lilja, R. Lühken, S. Steinke, E. Kiel, M. Larska, S.I. Hamnes, S. Sviland, P. Hopp, K. Brugger, F. Rubel, T. Balenghien, C. Garros, I. Rakotoarivony, X. Allene, J. Lhoir, J.C. Delecolle, B. Mathieu, D. Delecolle, M.L. Setier-Rio, R. Venail, B. Scheid, M.A. Miranda Chueca, C. Barcelo Segui, J. Lucientes, R. Estrada, T.

Wesley, A. Mathis, R. Bødker (2017): Big data - modelling of midges in Europa using machine learning techniques and satellite imagery. NKVet Symposium 2017 - abstract book

Rudolf I., L. Betášová, H. Blažejová, K. Venclíková, P. Straková, O. Šebesta, J. Mendel, T. Bakonyi, F. Schaffner, N. Nowotny, Z. Hubálek (2017): West Nile virus in overwintering mosquitoes, central Europe. *Parasites & Vectors* 10: 452. doi 10.1186/s13071-017-2399-7

Medlock J.M., A.G.C. Vaux, B. Cull, F. Schaffner, E. Gillingham, V. Pflüger, S. Leach (2017): Detection of the invasive mosquito species *Aedes albopictus* in southern England. *Lancet Infectious Diseases* 17: 140.

Hornok, S., A.D. Sándor, R. Beck, R. Farkas, L. Beati. J. Kontschán, N. Takács, G. Földvári, C. Silaghi, E. Meyer-Kayser, A. Hodzic, S. Tomanovic, S. Abdullah, R. Wall, A. Estrada-Pena, G. G. Duscher, O. Plantard (2017): Contributions to the phylogeography of *Ixodes (Pholeoixodes) canisuga*, *I. (Ph.) kaiseri*, *I. (Ph.) hexagonus* in Europe and a simple pictorial key for the identification of their females; *Parasites & Vectors*; 10,545

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