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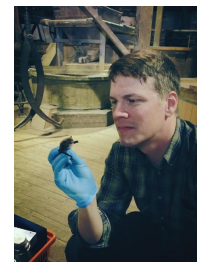
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Research outputs

A Palearctic view of a bat fungal disease

Whiting-Fawcett, F., Blomberg, A. S., Troitsky, T. S., Meierhofer, M., Field, K., Puechmaille, S. & Lilley, T. M., 15 Apr 2024
, In: Conservation Biology. 2024, 15 p., e14265.

Effective conservation of subterranean-roosting bats

Meierhofer, M. B., Johnson, J. S., Perez-Jimenez, J., Ito, F., Webela, P. W., Wiantoro, S., Bernard, E., Tanalgo, K. C., Hughes, A., Cardoso, P., Lilley, T. & Mammola, S., Feb 2024, In: Conservation Biology. 38, 1, 13 p., e14157.

Reference genome for the Northern bat (*Eptesicus nilssonii*), a most northern bat species

Laine, V. N., Pulliainen, A. T. & Lilley, T. M., Jan 2024, In: Journal of Heredity. 115, 1, p. 149–154 6 p., esad056.

When the host's away, the pathogen will play: the protective role of the skin microbiome during hibernation

Troitsky, T. S., Laine, V. & Lilley, T. M., 21 Dec 2023, In: Animal microbiome. 5, 11 p., 66.

Continental-scale climatic gradients of pathogenic microbial taxa in birds and bats

Xu, Y., Poosakkannu, A., Suominen, K. M., Laine, V. N., Lilley, T. M., Pulliainen, A. T. & Lehikoinen, A., Dec 2023, In: Ecography. 2023, 12, 11 p., e06783.

Not invasive status but plant overstory matters: open shrub canopies support greater plant and arthropod diversity and more complex food web structures compared to shady tree canopies

Lanta, V., Lilley, T. M., Rinne, V., Čížek, L., Doležal, J. & Norrdahl, K., Dec 2023, In: Arthropod - Plant Interactions. 17, 6, p. 863–889 27 p.

Role of vernal pools in activity and diversity of bats and birds linked with the emergence of flying insects

Marteau, B., Nummi, P., Lilley, T. M. & Sundell, J., Dec 2023, In: Global Ecology and Conservation. 48, 12 p., e02722.

Environmental control reduces white-nose syndrome infection in hibernating bats

Sewall, B. J., Turner, G. G., Scafani, M. R., Gagnon, M. F., Johnson, J. S., Keel, M. K., Anis, E., Lilley, T. M., White, J. P., Hauer, C. L. & Overton, B. E., Oct 2023, In: Animal Conservation. 26, 5, p. 642-653 12 p.

Environmental features around roost sites drive species-specific roost preferences for boreal bats

Suominen, K. M., Vesterinen, E. J., Kivistö, I., Reiman, M. O., Virtanen, T., Meierhofer, M. B., Vasko, V., Sironen, T. & Lilley, T. M., Oct 2023, In: Global Ecology and Conservation. 46, 12 p., e02589.

Large-scale long-term passive-acoustic monitoring reveals spatio-temporal activity patterns of boreal bats

Kotila, M., Suominen, K. M., Vasko, V. V., Blomberg, A. S., Lehikoinen, A., Andersson, T., Aspi, J., Cederberg, T., Hänninen, J., Inkinen, J., Koskinen, J., Lundberg, G. M., Mäkinen, K., Rontti, M., Snickars, M., Solbakken, J. S., Sundell,

J., Syv nper , I., Vuorenmaa, S. K., Yl nen, J., & 2 others Vesterinen, E. J. & Lilley, T. M., Jun 2023, In: *Ecography*. 2023, 6, 12 p., e06617.

The presence of wind turbines repels bats in boreal forests

Gaultier, S. P., Lilley, T. M., Vesterinen, E. J. & Brommer, J. E., Mar 2023, In: *Landscape and Urban Planning*. 231, 11 p., 104636.

Whole-genome analysis reveals contrasting relationships among nuclear and mitochondrial genomes between three sympatric bat species

Laine, V., S vilammi, T., Wahlberg, N., Meramo, K., Ossa, G., Johnson, J. S., Blomberg, A. S., Yeszhanov, A. B., Yung, V., Paterson, S. & Lilley, T. M., 4 Jan 2023, In: *Genome Biology and Evolution*. 15, 1, 12 p., evac175.

Northern Bat *Eptesicus nilssonii* (Keyserling and Blasius, 1839)

Suominen, K. M., Kotila, M., Blomberg, A. S., Pihlstr m, H., Ilyukha, V. & Lilley, T. M., 8 Dec 2022, *Handbook of the mammals of Europe*. Hackl nder, K. & Zacos, F. E. (eds.). Springer, p. 1-27 27 p.

High genetic connectivity among large populations of *Pteronotus gymnonotus* in bat caves in Brazil and its implications for conservation

Ito, F., Lilley, T., Twort, V. G. G. & Bernard, E., 5 Oct 2022, In: *Frontiers in Ecology and Evolution*. 10, 11 p., 934633.

Atmospheric humidity affects global variation of bat echolocation via indirect effects

Kotila, M., Helle, S., Lehto, H., Rojas, D., Vesterinen, E. J. & Lilley, T. M., 6 Sept 2022, In: *Frontiers in Ecology and Evolution*. 10, 12 p., 934876.

The promise and perils of engineering cave climates: Response to Turner et al.

Meierhofer, M. B., Cardoso, P., Lilley, T. & Mammola, S., Jun 2022, In: *Conservation Biology*. 36, 3, 3 p., e13927.

Cooling of bat hibernacula to mitigate white-nose syndrome

Turner, G. G., Sewall, B. J., Scafani, M. R., Lilley, T. M., Bitz, D. & Johnson, J. S., Apr 2022, In: *Conservation Biology*. 36, 2, 11 p., e13803.

Contrasting Effects of Chronic Anthropogenic Disturbance on Activity and Species Richness of Insectivorous Bats in Neotropical Dry Forest

Meramo, K., Ovaskainen, O., Bernard, E., Rodrigues Silva, C., Laine, V. & Lilley, T. M., 17 Feb 2022, In: *Frontiers in Ecology and Evolution*. 10, 13 p., 822415.

Next-generation ultrasonic recorders facilitate effective bat activity and distribution monitoring by citizen scientists

Lundberg, P., Meierhofer, M., Vasko, V. V. W., Suutari, M. S., Ojala, A., Vainio, A. & Lilley, T. M., 10 Dec 2021, In: *Ecosphere*. 12, 12, 10 p., 03866.

Winter activity of boreal bats

Blomberg, A. S., Vasko, V., Meierhofer, M. B., Johnson, J. S., Eeva, T. & Lilley, T. M., Oct 2021, In: *Mammalian Biology*. 101, 5, p. 609-618 10 p.

A conservation roadmap for the subterranean biome

Wynne, J. J., Howarth, F. G., Mammola, S., Ferreira, R. L., Cardoso, P., Di Lorenzo, T., Galassi, D. M. P., Medellin, R. A., Miller, B. W., Sanchez-Fernandez, D., Bichuette, M. E., Biswas, J., BlackEagle, C. W., Boonyanusith, C., Amorim, I. R., Vieira Borges, P. A., Boston, P. J., Cal, R. N., Cheeptham, N., Deharveng, L., & 36 others Eme, D., Faille, A., Fenolio, D., Fiser, C., Fiser, Z., Gon, S. M. O., Goudarzi, F., Griebler, C., Halse, S., Hoch, H., Kale, E., Katz, A. D., Kovac, L., Lilley, T. M., Manchi, S., Manenti, R., Martinez, A., Meierhofer, M. B., Miller, A. Z., Moldovan, O. T., Niemiller, M. L., Peck, S. B., Pellegrini, T. G., Pipan, T., Phillips-Lander, C. M., Poot, C., Racey, P. A., Sendra, A., Shear, W. A., Silva, M. S., Taiti, S., Tian, M., Venarsky, M. P., Yancovic Pakarati, S., Zagamajster, M. & Zhao, Y., Sept 2021, In: *Conservation Letters*. 14, 5, 6 p., 12834.

Heterothermy and antifungal responses in bats

Whiting-Fawcett, F., Field, K., Puechmaille, S. J., Blomberg, A. & Lilley, T. M., Aug 2021, In: Current Opinion in Microbiology. 62, p. 61-67 7 p.

Disease Avoidance Model Explains the Acceptance of Cohabitation With Bats During the COVID-19 Pandemic

Lundberg, P., Ojala, A., Suominen, K. M., Lilley, T. M. & Vainio, A., 16 Jul 2021, In: Frontiers in Psychology. 12, 9 p., 635874.

Ten-year projection of white-nose syndrome disease dynamics at the southern leading-edge of infection in North America

Meierhofer, M., Lilley, T. M., Ruokolainen, L., Johnson, J., Parratt, S., Morrison, M., Pearce, B., Evans, J. & Anttila, J., 9 Jun 2021, In: Proceedings of the Royal Society B. Biological Sciences. 288, 1952, 9 p., 20210719.

No Sign of Infection in Free-ranging *Myotis austroriparius* Hibernating in the Presence of *Pseudogymnoascus destructans* in Alabama

Johnson, J. S., Sharp, N. W., Monarchino, M. N., Lilley, T. M. & Edelman, A. J., Mar 2021, In: Southeastern Naturalist. 20, 1, p. 20-28 9 p.

The Winter Worries of Bats: Past and Present Perspectives on Winter Habitat and Management of Cave Hibernating Bats

Johnson, J. S., Blomberg, A. S., Boyles, J. G. & Lilley, T. M., 24 Jan 2021, *50 Years of Bat Research: Foundations and New Frontiers*. Lim, B. K., Fenton, M. B., Brigham, R. M., Mistry, S., Kurta, A., Gillam, E. H., Russell, A. & Ortega, J. (eds.). Cham: Springer Nature Switzerland AG, p. 209-221 13 p. (Fascinating Life Sciences).

First record of a *Nathusius' pipistrelle* (*Pipistrellus nathusii*) overwintering at a latitude above 60°N

Blomberg, A. S., Vasko, V., Salonen, S., Petersons, G. & Lilley, T. M., Jan 2021, In: Mammalia : international journal of the systematics, biology and ecology of mammals. 85, 1, p. 74-78 5 p.

Fundamental research questions in subterranean biology

Mammola, S., Amorim, I. R., Bichuette, M. E., Borges, P. A. V., Cheeptham, N., Cooper, S. J. B., Culver, D. C., Deharveng, L., Eme, D., Ferreira, R. L., Fiser, C., Fiser, Z., Fong, D. W., Griebler, C., Jeffery, W. R., Jugovic, J., Kowalko, J. E., Lilley, T. M., Malard, F., Manenti, R., & 12 others Martinez, A., Meierhofer, M. B., Niemiller, M. L., Northup, D. E., Pellegrini, T. G., Pipan, T., Protas, M., Reboleira, A. S. P. S., Venarsky, M. P., Wynne, J. J., Zagmajster, M. & Cardoso, P., Dec 2020, In: Biological Reviews. 95, 6, p. 1855-1872 18 p.

Roosting ecology of the southernmost bats, *Myotis chiloensis* and *Histiotus magellanicus*, in southern Tierra del Fuego, Chile

Ossa, G., Lilley, T. M., Waag, A., Meierhofer, M. & Johnson, J., Dec 2020, In: Austral Ecology. 45, 8, p. 1169-1178 10 p.

A global class reunion with multiple groups feasting on the declining insect smorgasbord

Vesterinen, E. J., Kaunisto, K. M. & Lilley, T. M., 6 Oct 2020, In: Scientific Reports. 10, 1, 7 p., 16595.

Bats and Wind Farms: The Role and Importance of the Baltic Sea Countries in the European Context of Power Transition and Biodiversity Conservation

Gaultier, S., Blomberg, A., Ijäs, A., Vasko, V. V. W., Vesterinen, E., Brommer, J. E. & Lilley, T. M., 24 Aug 2020, In: Environmental Science & Technology. 54, 17, p. 10385-10398 14 p.

Genome-wide changes in genetic diversity in a population of *Myotis lucifugus* affected by white-nose syndrome

Lilley, T. M., Wilson, I. W., Field, K. A., Reeder, D. M., Vodzak, M. E., Turner, G. G., Kurta, A., Blomberg, A. S., Hoff, S., Herzog, C., Sewall, B. J. & Paterson, S., Jun 2020, In: G3 - Genes genomes genetics. 10, 6, p. 2007-2020 14 p.

Population connectivity predicts vulnerability to white-nose syndrome in the Chilean myotis (*Myotis chiloensis*) - A genomics approach

Lilley, T. M., Sävilammi, T., Ossa, G., Blomberg, A. S., Vasemägi, A., Yung, V., Vendrami, D. L. J. & Johnson, J. S., Jun 2020, In: G3 - Genes genomes genetics. 10, 6, p. 2117-2126 10 p.

Threats from the air: damselfly predation on diverse prey taxa

Kaunisto, K. M., Roslin, T., Forbes, M., Morrill, A., Sääksjärvi, I. E., Puisto, A., Lilley, T. & Vesterinen, E., Jun 2020, In: *Journal of Animal Ecology*. 89, 6, p. 1365-1374 10 p.

Within-season changes in habitat use of forest-dwelling boreal bats

Vasko, V., Blomberg, A. S., Vesterinen, E. J., Suominen, K. M., Ruokolainen, L., Brommer, J. E., Norrdahl, K., Niemelä, P., Laine, V. N., Santangeli, A. & Lilley, T. M., May 2020, In: *Ecology and Evolution*. 10, 9, p. 4164-4174 11 p.

First Report of Coronaviruses in Northern European Bats

Kivisto, I., Tidenberg, E.-M., Lilley, T., Suominen, K., Forbes, K. M., Vapalahti, O., Huovilainen, A. & Sironen, T., 1 Feb 2020, In: *Vector Borne and Zoonotic Diseases*. 20, 2, p. 155-158 4 p.

Optimal hibernation theory

Boyles, J. G., Johnson, J. S., Blomberg, A. & Lilley, T. M., Jan 2020, In: *Mammal Review*. 50, 1, p. 91-100 10 p.

Lepakon vuosi

Rönkä, M., Lilley, T. M. & Sarell, N., 2020, Turku: Sammakko. 32 p.

Lukiolaiset keräsivät tutkijoille huikean määrän lepakkohavaintoja

Lundberg, P. & Lilley, T. M., 20 Dec 2019, In: *Natura*. 2019, 4, p. 11 1 p.

Resistance is futile: RNA-sequencing reveals differing responses to bat fungal pathogen in Nearctic *Myotis lucifugus* and Palearctic *Myotis myotis*

Lilley, T. M., Prokkola, J. M., Blomberg, A. S., Paterson, S., Johnson, J. S., Turner, G. G., Bartonička, T., Bachorec, E., Reeder, D. M. & Field, K. A., Oct 2019, In: *Oecologia*. 191, 2, p. 295-309 15 p.

Lepakkotiedeprojekti lukioluokille

Lundberg, P. K., Suominen, K. M. & Lilley, T. M., 22 Mar 2019, In: *Natura*. 2019, 1, p. 11 1 p.

Metal and metalloid exposure and oxidative status in free-living individuals of *Myotis daubentonii*

Ruiz, S. R., Eeva, T., Kanerva, M., Blomberg, A. & Lilley, T. M., Mar 2019, In: *Ecotoxicology and Environmental Safety*. 169, p. 93-102 10 p.

The Klingon batbugs: Morphological adaptations in the primitive bat bugs, *Bucimex chilensis* and *Primicimex cavernis*, including updated phylogeny of Cimicidae

Ossa, G., Johnson, J. S., Puisto, A. I. E., Rinne, V., Sääksjärvi, I. E., Waag, A., Vesterinen, E. J. & Lilley, T. M., Feb 2019, In: *Ecology and Evolution*. 9, 4, p. 1736-1749 14 p.

Landscape structure and ecology influence the spread of a bat fungal disease

Lilley, T. M., Anttila, J. V. & Ruokolainen, L., Nov 2018, In: *Functional Ecology*. 32, 11, p. 2483-2496 14 p.

Table for five, please: Dietary partitioning in boreal bats

Vesterinen, E. J., Puisto, A., Blomberg, A. & Lilley, T. M., Nov 2018, In: *Ecology and Evolution*. 8, 22, p. 10914-10937 24 p.

Tulimaan kevättyössä: Chilen Tulimaassa elävät maailman eteläisimmät lepakot.

Lilley, T. M., Nov 2018, In: *Suomen luonto*. 18, 9, p. 60-64 5 p.

Effect of torpor on host transcriptomic responses to a fungal pathogen in hibernating bats

Field, K. A., Sewall, B. J., Prokkola, J. M., Turner, G. G., Gagnon, M. F., Lilley, T. M., White, J. P., Johnson, J. S., Hauer, C. L. & Reeder, D. M., Sept 2018, In: *Molecular Ecology*. 27, 18, p. 3727-3743 17 p.

Energy conserving thermoregulatory patterns and lower disease severity in a bat resistant to the impacts of white-nose syndrome

Moore, M. S., Field, K. A., Behr, M. J., Turner, G. G., Furze, M. E., Stern, D. W. F., Allegra, P. R., Bouboulis, S. A., Musante, C. D., Vodzak, M. E., Biron, M. E., Meierhofer, M. B., Frick, W. F., Foster, J. T., Howell, D., Kath, J. A., Kurta, A., Nordquist, G., Johnson, J. S., Lilley, T. M., & 2 others Barrett, B. W. & Reeder, D. M., Jan 2018, In: Journal of comparative physiology. B, Biochemical, systems, and environmental physiology. 188, 1, p. 163-176 14 p.

First record of *Promops davisoni* (Thomas, 1921) (chiroptera, molossidae) from Chile and a description of its echolocation calls

Ossa, G., Lilley, T. M., Ugarte-Núñez, J., Ruokolainen, L., Vilches, K., Valladares-Faúndez, P. & Yung, V., 2018, In: Mastozoología neotropical. 25, 1, p. 129-137 9 p.

Oxidative status in relation to metal pollution and calcium availability in pied flycatcher nestlings - A calcium manipulation experiment

Espin, S., Ruiz, S., Sanchez-Virosta, P., Lilley, T. & Eeva, T., Oct 2017, In: Environmental Pollution. 229, p. 448-458 11 p.

Evidence of the migratory bat, *Pipistrellus nathusii*, aggregating to the coastlines in the Northern Baltic Sea

Ijas, A., Kahilainen, A., Vasko, V. V. & Lilley, T. M., Jun 2017, In: Acta Chiropterologica. 19, 1, p. 127-139 13 p.

Molecular Detection of *Candidatus Bartonella mayotimonensis* in North American Bats

Lilley, T. M., Wilson, C. A., Bernard, R. F., Willcox, E. V., Vesterinen, E. J., Webber, Q. M. R., Kurpiers, L., Prokkola, J. M., Ejotre, I., Kurta, A., Field, K. A., Reeder, D. M. & Pulliainen, A. T., Apr 2017, In: Vector Borne and Zoonotic Diseases. 17, 4, p. 243-246 4 p.

Vitamin profiles in two free-living passerine birds under a metal pollution gradient A calcium supplementation experiment
Ruiz, S. R., Espin, S., Sanchez-Virosta, P., Salminen, J-P., Lilley, T. M. & Eeva, T., Apr 2017, In: Ecotoxicology and Environmental Safety. 138, p. 242-252 11 p.

Molecular Evidence of *Chlamydia*-Like Organisms in the Feces of *Myotis daubentonii* Bats

Hokynar, K., Vesterinen, E. J., Lilley, T. M., Pulliainen, A. T., Korhonen, S. J., Paavonen, J. & Puolakkainen, M., Jan 2017, In: Applied and Environmental Microbiology. 83, 2, 8 p., 02951.

Pseudogymnoascus destructans transcriptome changes during white-nose syndrome infections

Reeder, S. M., Palmer, J. M., Prokkola, J. M., Lilley, T. M., Reeder, D. M. & Field, K. A., 2017, In: Virulence. 8, 8, p. 1695-1707 13 p.

Effects of dietary lead exposure on vitamin levels in great tit nestlings - An experimental manipulation

Ruiz, S. R., Espin, S., Rainio, M., Ruuskanen, S., Salminen, J-P., Lilley, T. M. & Eeva, T., Jun 2016, In: Environmental Pollution. 213, p. 688-697 10 p.

What you need is what you eat? Prey selection by the bat *Myotis daubentonii*

Vesterinen, E. J., Ruokolainen, L., Wahlberg, N., Pena, C., Roslin, T., Laine, V. N., Vasko, V., Sääksjarvi, I. E., Norrdahl, K. & Lilley, T. M., Apr 2016, In: Molecular Ecology. 25, 7, p. 1581-1594 14 p.

White-nose syndrome survivors do not exhibit frequent arousals associated with *Pseudogymnoascus destructans* infection

Lilley, T. M., Johnson, J. S., Ruokolainen, L., Rogers, E. J., Wilson, C. A., Schell, S. M., Field, K. A. & Reeder, D. M., 3 Mar 2016, In: Frontiers in Zoology. 13, 8 p., 12.

Molecular Detection of *Candidatus Bartonella hemsundetiensis* in Bats

Lilley, T. M., Veikkolainen, V. & Pulliainen, A. T., 1 Nov 2015, In: Vector Borne and Zoonotic Diseases. 15, 11, p. 706-708 3 p.

The White-Nose Syndrome Transcriptome: Activation of Anti-fungal Host Responses in Wing Tissue of Hibernating Little Brown *Myotis*

Field, K. A., Johnson, J. S., Lilley, T. M., Reeder, S. M., Rogers, E. J., Behr, M. J. & Reeder, D. M., Oct 2015, In: PLoS Pathogens. 11, 10, 29 p., 1005168.

Antibodies to *Pseudogymnoascus destructans* are not sufficient for protection against white-nose syndrome
Johnson, J. S., Reeder, D. M., Lilley, T. M., Czirjak, G. A., Voigt, C. C., McMichael, J. W., Meierhofer, M. B., Seery, C. W., Lumadue, S. S., Altmann, A. J., Toro, M. O. & Field, K. A., Jun 2015, In: *Ecology and Evolution*. 5, 11, p. 2203-2214 12 p.

Effects of early-life lead exposure on oxidative status and phagocytosis activity in great tits (*Parus major*)
Rainio, M. J., Eeva, T., Lilley, T., Stauffer, J. & Ruuskanen, S., Jan 2015, In: *Comparative Biochemistry and Physiology. Part C: Toxicology & Pharmacology*. 167, p. 24-34 11 p.

The effect of overwintering temperature on the body energy reserves and phenoloxidase activity of bumblebee *Bombus lucorum* queens
Vesterlund, S. -R., Lilley, T. M., van Ooik, T. & Sorvari, J., Aug 2014, In: *Insectes Sociaux*. 61, 3, p. 265-272 8 p.

Interspecific variation in redox status regulation and immune defence in five bat species: the role of ectoparasites
Lilley, T. M., Stauffer, J., Kanerva, M. & Eeva, T., Jul 2014, In: *Oecologia*. 175, 3, p. 811-823 13 p.

Phenology of migratory bat activity across the Baltic Sea and the south-eastern North Sea

Rydell, J., Bach, L., Bach, P., Diaz, L. G., Furmankiewicz, J., Hagner-Wahlsten, N., Kyheröinen, E.-M., Lilley, T., Masing, M., Meyer, M. M., Petersons, G., Suba, J., Vasko, V., Vintulis, V. & Hedenström, A., Jun 2014, In: *Acta Chiropterologica*. 16, 1, p. 139-147 9 p.

Bats as Reservoir Hosts of Human Bacterial Pathogen, *Bartonella mayotimonensis*

Veikkolainen, V., Vesterinen, E. J., Lilley, T. M. & Pulliainen, A. T., 2014, In: *Emerging Infectious Diseases*. 20, 6, p. 960-967 8 p.

Next Generation Sequencing of Fecal DNA Reveals the Dietary Diversity of the Widespread Insectivorous Predator Daubenton's Bat (*Myotis daubentonii*) in Southwestern Finland

Vesterinen, E. J., Lilley, T., Laine, V. N. & Wahlberg, N., 27 Nov 2013, In: *PLoS One*. 8, 11, 14 p., 82168.

Population genetics of Daubenton's bat (*Myotis daubentonii*) in the Archipelago Sea, SW Finland

Laine, V. N., Lilley, T. M., Norrdahl, K. & Primmer, C. R., 31 Oct 2013, In: *Annales Zoologici Fennici*. 50, 5, p. 303-315 13 p.

Bat rabies surveillance in Finland

Nokireki, T., Huovilainen, A., Lilley, T., Kyheröinen, E.-M., Ek-Kommonen, C., Sihvonen, L. & Jakava-Viljanen, M., 2013, In: *BMC Veterinary Research*. 9, 8 p., 174.

Resistance to oxidative damage but not immunosuppression by organic tin compounds in natural populations of Daubenton's bats (*Myotis daubentonii*)

Lilley, T. M., Ruokolainen, L., Meierjohann, A., Kanerva, M., Stauffer, J., Laine, V. N., Atosuo, J., Lilius, E. -M. & Nikinmaa, M., 2013, In: *Comparative Biochemistry and Physiology. Part C: Toxicology & Pharmacology*. 157, 3, p. 298-305 8 p.

Impact of tributyltin on immune response and life history traits of *Chironomus riparius*: single and multigeneration effects and recovery from pollution

Lilley, T. M., Ruokolainen, L., Pikkarainen, A., Laine, V. N., Kilpimaa, J., Rantala, M. J. & Nikinmaa, M., 2012, In: *Environmental Science & Technology*. 46, 13, p. 7382-7389 8 p.

Reed beds may facilitate transfer of tributyltin from aquatic to terrestrial ecosystems through insect vectors in the Archipelago Sea, SW Finland

Lilley, T., Meierjohann, A., Ruokolainen, L., Peltonen, J., Vesterinen, E., Kronberg, L. & Nikinmaa, M., 2012, In: *Environmental Toxicology and Chemistry*. 31, 8, p. 1781-1787 7 p.

Sediment organic tin contamination promotes impoverishment of non-biting midge species communities in the Archipelago Sea, S-W Finland

Lilley, T., Ruokolainen, L., Vesterinen, E., Paasivirta, L. & Norrdahl, K., 2012, In: *Ecotoxicology*. 21, 5, p. 1333–1344 12 p.

First encounter of European bat lyssavirus type 2 (EBLV-2) in a bat in Finland

Jakava-Viljanen, M., Lilley, T., Kyheroinen, E. -M. & Huovilainen, A., 2010, In: *Epidemiology and Infection*. 138, 11, p. 1581-1585 5 p.

Digit length ratio (2D/4D): comparing measurements from X-rays and photographs in field voles (*Microtus agrestis*)

Lilley, T., Laaksonen, T., Huitu, O. & Helle, S., Aug 2009, In: *Behavioral Ecology and Sociobiology*. 63, 10, p. 1539-1547 9 p.

Maternal 2nd to 4th Digit Ratio Does Not Predict Lifetime Offspring Sex Ratio at Birth

Helle, S. & Lilley, T., 2008, In: *American Journal of Human Biology*. 20, 6, p. 700-703 4 p.

Zooplankton in relation to cyanobacteria across a geographic gradient in Archipelago Sea, northern Baltic

Ruokolainen, L., Lilley, TM. & Tammi, M., 20 Feb 2006, In: *Boreal Environment Research*. 11, 1, p. 1-11 11 p.

Employment

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