

Introduction

Chargée de Recherches FNRS: projet "Invasive mammals in Western Europe" en collaboration avec le Dr J. Michaux (Ulg).

Docteur en Sciences Biologiques (2011).

Thèse de doctorat: "Phylogénie, phylogéographie et écologie de palourdes androgénétiques invasives (*Corbicula* spp.)".

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Research output - Articles

1. Vastrade, M, Etoundi, E, Bournonville, T, Colinet, M, Debortoli, N, Hedtke, SM, Nicolas, E, Pigneur, L-M, Virgo, J, Flot, J-F, Marescaux, J & Van Doninck, K 2022, 'Substantial genetic mixing among sexual and androgenetic lineages within the clam genus *Corbicula*', *Peer Community Journal*, vol. 2, e73. <https://doi.org/10.24072/pcjournal.180>
2. Hespeels, B, Li, X, Flot, J-F, Pigneur, L-M, Malaisse, J, Da Silva, C & Van Doninck, K 2015, 'Against all odds: trehalose-6-phosphate synthase and trehalase genes in the bdelloid rotifer *Adineta vaga* were acquired by horizontal gene transfer and are upregulated during desiccation.', *PLoS ONE*, vol. 10, no. 7, e0131313. <https://doi.org/10.1371/journal.pone.0131313>
3. Llíros, M, Inceoğlu, Ö, García-Armisen, T, Anzil, A, Leporcq, B, Pigneur, LM, Viroux, L, Darchambeau, F, Descy, J-P & Servais, P 2014, 'Bacterial community composition in three freshwater reservoirs of different alkalinity and trophic status', *PLoS ONE*, vol. 9, no. 12, e116145, pp. e116145. <https://doi.org/10.1371/journal.pone.0116145>
4. Smitz, N, Cornélis, D, Chardonnet, P, Caron, A, de Garine-Wichatitsky, M, Jori, F, Mouton, A, Latinne, A, Pigneur, LM, Melletti, M, Kanapeckas, KL, Marescaux, J, Pereira, CL & Michaux, J 2014, 'Genetic structure of fragmented southern populations of African Cape buffalo (*Syncerus caffer caffer*)', *BMC Evolutionary Biology*, vol. 14, no. 1, pp. 203. <https://doi.org/10.1186/s12862-014-0203-2>
5. Boonen, F, Vandamme, A-M, Etoundi, E, Pigneur, L-M & Housen, I 2014, 'Identification and characterization of a novel multicopper oxidase from *Acidomyces acidophilus* with ferroxidase activity', *Biochimie*, vol. 102, pp. 37-46. <https://doi.org/10.1016/j.biochi.2014.02.009>
6. Pigneur, L-M, Falisse, E, Roland, K, Everbecq, E, Deliège, JF, Smitz, JS, Van Doninck, K & Descy, J-P 2014, 'Impact of invasive Asian clams, *Corbicula* spp., on a large river ecosystem', *Freshwater Biology*, vol. 59, no. 3, pp. 573-583. <https://doi.org/10.1111/fwb.12286>
7. Pigneur, LM, Etoundi, E, Aldridge, DC, Marescaux, J, Yasuda, N & Van Doninck, K 2014, 'Genetic uniformity and long-distance clonal dispersal in the invasive androgenetic *Corbicula* clams', *Molecular Ecology*, vol. 23, no. 20, pp. 5102-5116. <https://doi.org/10.1111/mec.12912>
8. Pigneur, L-M, Etoundi, E, Hedtke, SM & Van Doninck, K 2012, 'Androgenesis: A review through the study of the selfish shellfish *Corbicula* spp.', *Heredity*, vol. 108, pp. 581-591. <https://doi.org/10.1038/hdy.2012.3>
9. Pigneur, L-M, Risterucci, A-M, Dauchot, N, Li, X & Van Doninck, K 2011, 'Development of novel microsatellite markers to identify the different invasive lineages in the *Corbicula* complex and to assess androgenesis', *Molecular Ecology Resources*, vol. 11, no. 3, pp. 573-7. <https://doi.org/10.1111/j.1755-0998.2010.02963.x>
10. Pwema, V, Mbomba Bekeli, N, Pigneur, L-M, Takoy Lomema, A & Micha, J-C 2011, 'Environmental variables structuring *Labeo* species (Pisces, Cyprinidae) in Malebo Pool, Congo river.', *International Journal of Biological and Chemical Sciences*, vol. 5, no. 2, pp. 507-514.
11. Pigneur, L-M, Marescaux, J, Roland, K, Etoundi, E, Descy, J-P & Van Doninck, K 2011, 'Phylogeny and androgenesis in the invasive *Corbicula* clams (Bivalvia, Corbiculidae) in Western Europe', *BMC Evolutionary Biology*, vol. 11, no. 147, pp. 147. <https://doi.org/10.1186/1471-2148-11-147>
12. Douxfils, J, Mathieu, C, Mandiki, R, Milla, S, Henrotte, E, Wang, N, Vandecan, M, Dieu, M, Dauchot, N, Pigneur, L-M, Li, X, Rougeot, C, Mélard, C, Silvestre, F, van Doninck, K, Raes, M & Kestemont, P 2011, 'Physiological and proteomic evidences that domestication process differentially modulates the immune status of juvenile Eurasian perch (*Perca fluviatilis*) under chronic confinement stress', *Fish & Shellfish Immunology*, vol. 31, no. 6, pp. 1113-1121. <https://doi.org/10.1016/j.fsi.2011.10.001>
13. Nadzialek, S, Pigneur, L-M, Wéron, B & Kestemont, P 2010, 'Bcl-2 and Caspase 3 mRNA levels in the testes of gudgeon, *Gobio gobio*, exposed to ethinylestradiol (EE2)', *Aquatic Toxicology*, vol. 98, no. 3, pp. 304-310. <https://doi.org/10.1016/j.aquatox.2010.02.016>

14. Marescaux, J, Pigneur, L-M & Van Doninck, K 2010, 'New records of Corbicula clams in French rivers', *Aquatic Invasions*, vol. 5, no. Suppl. 1, pp. S35-S39. <https://doi.org/10.3391/ai.2010.5.S1.009>

Activities - Symposium

Activities - Conference

Projects

1. **A study of the evolutionary genetics and ecology and of androgenesis in the invasive asian clams Corbicula spp.**
Van Doninck, K. (PI) & Pigneur, L.-M. (Researcher)
1/09/06 → 1/09/11
2. **Genetic structure and invasive potential of introduced mammals in Western Europe**
Pigneur, L.-M. (PI), Van Doninck, K. (Col) & MICHAUX, J. (Col)
1/10/12 → 1/10/15