

Dr. Jella Wauters, DVM

Position

Scientist (post-doc) and head of the endocrine laboratory at the Department of Reproductive Biology (part-time)

Main research focus:

Supporting reproductive and animal welfare monitoring assisted by enzyme immuno assays and hyphenated liquid-chromatography – mass spectrometry techniques, with a special focus on pathway elucidation and biomarker identification based on metabolomics.

Professional appointments

- since Feb 2019: Research associate (part-time) at the Leibniz Institute for Zoo and Wildlife Research, Department of Reproduction Biology
head of the laboratory “wildlife endocrinology”
- Since January 2018: PostDoc (part-time) at Belgium, Ghent University, Faculty of Veterinary Medicine, Department of Veterinary Public Health and Food Safety, Laboratory of Chemical Analysis: ‘Giant panda metabolomics’
- Oct 2015 - Jan 2019: Educational coordinator (part-time) at Belgium, Ghent University, Faculty of Veterinary Medicine, Department of Veterinary Public Health and Food Safety
- Jan 2015 - present: Coordinator/founder of giant panda reproductive monitoring at Belgium, Ghent University, Faculty of Veterinary Medicine, Department of Veterinary Public Health and Food Safety, Laboratory of Chemical Analysis (for several European zoos)
- Jan 2014 - Nov 2017: Quality manager (BELAC-ISO17025) at Belgium, Ghent University, Faculty of Veterinary Medicine, Department of Veterinary Public Health and Food Safety, Laboratory of Chemical Analysis
- Feb 2015 - Dec 2018: PostDoc at Belgium, Ghent University, Faculty of Veterinary Medicine, Department of Veterinary Public Health and Food Safety, Laboratory of Chemical Analysis (different food-related projects)
- Jan 2009 - June 2012: PhD Veterinary Sciences at Belgium, Ghent University, Faculty of Veterinary Medicine, Department of Pharmacology, Toxicology and Biochemistry – Novel biomarkers for the diagnosis of equine infectious joint disease
- Jan 2008 - Dec 2008: Assisting staff at Belgium, Ghent University, Faculty of Veterinary Medicine, Department of Pharmacology, Toxicology and Biochemistry

Education:

- March 2017: Hands-on LC-MS for metabolic profiling, Imperial College London
- Feb 2017: Training quality management, Allanta vzw, Zwijnaarde ISO 17025:2005
Laboratory norm and internal auditor training following ISO19011
- Jan 2008-Dec 2011: Doctoral schools Life science:
- Basic course in laboratory animal science: Partim 2: Specific Topics (2008-2009)

- IPVW: Module 3: Introductory Statistics. Basics of statistical inference. (2009-2010)
- IPVW: Module 4: Analysis of Variance. (2009-2010)
- IPVW: Module 5: Applied Linear Regression (2009-2010)
- UCT: Advanced Academic English: Writing Skills (2011)

Oct 2004-July 2007: Master in Veterinary Medicine (DVM)

Oct 2001-July 2004: Bachelor in Veterinary Medicine (BVM)

Teaching activities:

Summerschool for non-invasive endocrine monitoring of wildlife (2019 and ongoing)

Practical courses in relation to courses Veterinary Public Health and Food Safety (2015-2018)

Lectures in relation to Analytical Chemistry (1 course each year) (2015-2017)

Practical courses in relation to Biochemistry (2008-2012)

Reviewer for:

Food Chemistry, Analytical and Bioanalytical Chemistry, Plos ONE, Theriogenology, Journal of Proteome Research, Journal of Agricultural and Food Chemistry, Journal of Chromatography A

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Wilson KS, Wauters J, Valentine I, McNeilly A, Girling S, Li R, Li D, Zhang H, Rae MT, Howie AF, Andrew R, Duncan WC. 2019. Urinary estrogens as a non-invasive biomarker of viable pregnancy in the giant panda (*Ailuropoda melanoleuca*). *Scientific Reports* 2019 Aug 21; 9:12772. doi.org/10.1038/s41598-019-49288-6. Epub 2019 Sept 4.