

# Ines Adriaens

## PROFESSIONAL EXPERIENCE

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- 01/04/2023 -**                    **Postdoctoral research fellow, BOF** at Ghent University, Department of Data analysis and mathematical modelling.  
*“A tool for expert-informed decision support for complex agricultural systems.”*  
Supervisor:            dr. ir. Jan Verwaeren
- 15/03/2021 – 15/03/2023** **Researcher, project leader big data (80%)** at Wageningen Livestock Research; Animal breeding and genomics, WUR, Wageningen, NL
- 15/03/2021 – 30/04/2023** **Data team lead (20%)** at Livestock Technology, Department of Biosystems, KU Leuven, BE
- 01/12/2018 – 30/04/2023** **Postdoctoral research fellow** in Livestock Technology, Department of Biosystems, KU Leuven, BE  
*‘The interaction of milk production and dairy cow fertility unravelled through a biology and data integrating approach’*
- 01/06/2019 – 31/07/2019** **Research stay, RAFT Solutions Ltd., Ripon, UK**  
*‘A modelling approach to characterize animal resilience reflected in milk yield perturbations’*  
Supervisor:            DVM. J. Statham
- 01/04/2019 – 06/05/2019** **Research stay in the context of the GenTORE H2020 EU project, MoSAR, Paris, FR**  
*‘Sensor based proxies for resilience in dairy cows’*  
Supervisors:        Dr. N.C. Friggens & DVM. J. Statham
- 06/04/2018 – 14/07/2018** **Research stay, Modélisation appliquée aux ruminants, MoSAR, Paris, FR**  
*‘Validation of a progesterone-based monitoring algorithm in dairy cows using mechanistic white-box model simulations’*  
Supervisor:        Dr. Ir. O. Martin, dr. N. Friggens
- 11/08/2014 – 30/11/2019** **PhD in bioscience engineering, KU Leuven, BE**  
*‘Data-based monitoring of dairy cows’*  
Promotors:        Prof. Dr. Ir. W. Saeys, Dr. Ir. B. De Ketelaere & Dr. DVM. S. Piepers
- 01/07/2013 – 31/07/2013** Farm support at KU Leuven Zootechnical center (student job)

## EDUCATION

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- 11/08/2014 – 30/11/2018** **PhD in bioscience engineering, KU Leuven, BE**  
Arenberg Doctoral School - Department of Biosystems – Division of Mechatronics, Biostatistics and Sensors (MeBioS)  
▪ Thesis: *“Data-based monitoring of dairy cows on farm – milk progesterone as a mirror of fertility”*
- 01/09/2012 – 01/07/2014** **Master of bioscience engineering, KU Leuven, BE -- Magna cum laude**  
Agriculture, major Animal production, minor Human Health Technology  
▪ Thesis: *“Detection of problems of individual growing-finishing pigs through statistical process control applied to drinking behaviour”*
- 01/09/2009 – 01/07/2012** **Bachelor of bioscience engineering, KU Leuven, BE -- Magna cum laude**  
Agriculture  
▪ Thesis: *“Daily milk composition analysis for monitoring health status in high producing dairy cows”*
- 01/09/2003 – 30/06/2009** **Secondary school, Sint-Janscollege Meldert, BE**  
Latin-Mathematics