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CONTACT

Work address: Department of Internal Medicine, Reproduction and Population Medicine,
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EDUCATION

2020 - present Resident of the American College of Theriogenologists (alternative route)
under supervision of Prof. Peter Daels

2019 - present Research Foundation Flanders (FWO) Postdoctoral Fellowship with Prof. Jo
Leroy, Faculty of Pharmaceutical, Biomedical and Veterinary Science,
University of Antwerp, Belgium, and Prof. Geert Opsomer, Faculty of
Veterinary Medicine, Ghent University, Belgium

2017 - 2019 Postdoctoral Fellowship with Prof. Stephen LeBlanc, Ontario Veterinary
College, University of Guelph, Canada

2013 - 2016 PhD with Prof. Geert Opsomer, Faculty of Veterinary Medicine, Ghent
University, Belgium

Dissertation: "Subclinical endometritis in dairy cattle: a practical approach"

2010 - 2011 Post-graduate study "Biotechnology of Reproduction in Cattle", National
Institute of Animal Reproduction, National University of Cordoba, Argentina

2005 - 2010 Doctor of Veterinary Medicine (DVM), Faculty of Veterinary Medicine, National
University of Asuncion, Paraguay

LANGUAGES



PUBLICATIONS

Total number of publications (Q1) = **58**

Publications (Q1) as first author or main co-author = **25**

Publications (Q1) as senior (last) author = **6**

Google Scholar Citations = **891 (h-index: 17)**

PEER-REVIEWED PUBLICATIONS AS FIRST AUTHOR OR MAIN CO-AUTHOR

Pascottini OB, Leroy JLMR, Opsomer G. Maladaptation to the transition period and consequences on fertility of dairy cows. **Reproduction in Domestic Animals**. 2022; 10.1111/rda.14176.

Sidi S*, **Pascottini OB***, Angel-Velez D, Azari-Dolatabad N, Pavani KC, Residiwati G, Meese T, Van Nieuwerburgh F, Kambai Bawa E, Alikidon Voh A, Olusegun Ayo J, Van Soom, A. Lycopene Supplementation to Serum-Free Maturation Medium Improves In Vitro Bovine Embryo Development and Quality and Modulates Embryonic Transcriptomic Profile. **Antioxidants** 2022; 11, 344. ***These authors contributed equally to this work.**

Pascottini OB, De Koster J, Van Nieuwerburgh F, Van Poucke M, Peelman L, Fievez V, Leroy JLMR, Opsomer G. Effect of over-conditioning on the hepatic global gene expression pattern of dairy cows at the end of pregnancy. **Journal of Dairy Science**. 2021; 104: 8152-8163.

Pascottini OB, Spricigo JFW, Van Schyndel SJ, Mion B, Rosseau J, Weese JS, LeBlanc SJ. Effects of parity and blood progesterone, and non-steroidal anti-inflammatory treatment on the dynamics of the uterine microbiota of healthy postpartum dairy cows. **PLOS ONE**. 2021; 16: e0233943.

Pascottini OB, Bruinje TC, Couto Serrenho R, Mion B, LeBlanc SJ. Association of metabolic markers with neutrophil function in healthy postpartum dairy cows. **Veterinary Immunology and Immunopathology**. 2021; 232: 110182.

Pascottini OB, Leroy JLMR, Opsomer G. Metabolic stress in the transition period of dairy cows: focusing on the prepartum period. **Animals**. 2020; 10: 1419.

Pascottini OB, Van Schyndel SJ, Spricigo JFW, Rosseau J, Weese JS, LeBlanc SJ. Dynamics of uterine microbiota in postpartum dairy cows with clinical or subclinical endometritis. **Scientific Reports**. 2020; 10: 12353.

Pascottini OB, LeBlanc SJ. Metabolic markers for purulent vaginal discharge and subclinical endometritis in dairy cows. **Theriogenology**. 2020; 155, 43-48.

Pascottini OB, Van Schyndel SJ, Spricigo JFW, Carvalho MR, Mion B, Ribeiro E, LeBlanc SJ. Effect of anti-inflammatory treatment on systemic inflammation, immune function, and endometrial health in postpartum dairy cows. **Scientific Reports**. 2020; 10, 5236.

Pascottini OB, Probo M, LeBlanc SJ, Opsomer G, Hostens M. Assessment of associations between metabolic diseases and reproductive performance of dairy cows using survival analysis and machine learning models. **Preventive Veterinary Medicine**. 2020; 176: 104908.

Pascottini OB and LeBlanc SJ. Modulation of immune function in the bovine uterus peripartum. **Theriogenology**. 2020; 150: 193-200.

Pascottini OB, Baquero M, Couto Serrenho R, Van Schyndel S, Bienzle D, LeBlanc SJ. Technical note: Assessment of neutrophil endocytosis and proteolytic degradation in relation to phagocytosis and oxidative burst in dairy cows. **Journal of Dairy Science**. 2019; 102: 9396-9400.

Pascottini OB, Carvalho M, SJ Van Schyndel, Ticiani E, Spricigo JF, LK Mamedova, Ribeiro E, LeBlanc SJ. Feed restriction to induce, and meloxicam to mitigate systemic inflammation in dairy cows before calving. **Journal of Dairy Science**. 2019; 102: 9285-9297.

Yang B*, **Pascottini OB***, Cui T, Desmarets L, Xie J, Opsomer G, Nauwynck H. Presence of gammaherpesvirus BoHV-4 in endometrial cytology samples is not associated with subclinical endometritis diagnosed at artificial insemination in dairy cows. **Veterinary Microbiology**. 2019; 229: 130-137. ***These authors contributed equally to this work.**

Probo M*, **Pascottini OB***, LeBlanc SJ, Opsomer G, Hostens M. Association between metabolic diseases and the culling risk of high yielding dairy cows in a transition management facility using survival and decision tree analysis. **Journal of Dairy Science**. 2018; 101: 9419-9429. ***These authors contributed equally to this work.**

Van Schyndel S*, **Pascottini OB***, LeBlanc SJ. Comparison of cow-side diagnostic techniques for subclinical endometritis in dairy cows. **Theriogenology**. 2018; 120: 117-122. ***These authors contributed equally to this work.**

Pascottini OB, Hostens M, Opsomer G. Short communication: Cytological endometritis diagnosed at artificial insemination in repeat breeder dairy cows. **Reproduction in Domestic Animals**. 2018; 53: 559-561.

Pascottini OB*, Catteeuw M*, Van Soom A, Opsomer G. Holding immature bovine oocytes in a commercial embryo holding medium: High developmental competence for up to 10 h at room temperature. **Theriogenology**. 2018; 107: 63-69. ***These authors contributed equally to this work.**

Pascottini OB, Goszczynski D, Nguyen A. Vision article: Creating chimeras: Embryonic stem cells, incorporated. **Molecular Reproduction and Development**. 2017; 85: 85-86.

Pascottini OB, Hostens M, Sys P, Vercauteren P, Opsomer G. Risk factors associated with cytological endometritis diagnosed at artificial insemination in dairy cows. **Theriogenology**. 2017; 92: 1-5.

Pascottini OB, Hostens M, Sys P, Vercauteren P, Opsomer G. Cytological endometritis at artificial insemination in dairy cows: prevalence and effect on pregnancy outcome. **Journal of Dairy Science**. 2017; 100:588-597.

Pascottini OB, Hostens M, Dini P, Van Eetvelde M, Vercauteren P, Opsomer G. Prevalence of cytological endometritis and effect on pregnancy outcomes at the time of insemination in nulliparous dairy heifers. **Journal of Dairy Science**. 2016; 99: 9051-5056.

Pascottini OB, Hostens M, Dini P, Vandepitte J, Ducatelle R, Opsomer G. Distribution of inflammation and association between active and chronic alterations within the endometrium of dairy cows. **Reproduction in Domestic Animals**. 2016; 51: 751-757.

Pascottini OB, Hostens M, Dini P, Vandepitte J, Ducatelle R, Opsomer G. Comparison between cytology and histopathology to evaluate subclinical endometritis in dairy cows. **Theriogenology**. 2016; 86: 1550-1556.

Pascottini OB, Dini P, Hostens M, Ducatelle R, Opsomer G. A novel cytologic sampling technique to diagnose subclinical endometritis and comparison of staining methods for endometrial cytology samples in dairy cows. **Theriogenology**. 2015; 84: 1438-46.

PEER-REVIEWED PUBLICATIONS AS CO-AUTHOR

Leroy JLMR, Meulders B, Moorkens K, Xhonneux I, Slootmans J, De Keersmaeker L, Smits A, **Pascottini OB**, Marei WFA. Maternal metabolic health and fertility: we should not only care about but

also for the oocyte! **Reproduction Fertility and Development.** 2022; <https://doi.org/10.1071/RD22204>.

Gonzalez Andueza S, Azari-Dolatabad N, Benedetti C, Fernandez A, Angel-Velez D, Sadeghi H, Malledevarahalli S, Opsomer G, Van Soom A, **Pascottini OB**. Lycopene supplementation to serum-free embryo culture medium and its effect on development and quality of bovine blastocysts produced *in vitro*. **Reproduction in Domestic Animals.** 2022; <https://doi.org/10.1111/rda.14180>.

Pavani K, Meese T, **Pascottini OB**, Guan X, Lin X, Peelman L, Hamacher J, Van Nieuwerburgh F, Deforce D, Boel A, Heindryckx B, Tilleman K, Van Soom A, Gadella B, Hendrix A, Smits K. Hatching is modulated by microRNA-378a-3p derived from extracellular vesicles secreted by blastocysts. **Proceedings of the National Academy of Sciences.** 2022; 12:119.

Domain G, Ali Hassan H, Wydooghe E, **Pascottini OB**, Johannisson A, Morrell JM, Niżański W, Van Soom A. Influence of Single Layer Centrifugation with Canicoll on Semen Freezability in Dogs. **Animals.** 2022; 12:714.

Xie L, **Pascottini OB**, Zhi J, Yang H, Opsomer G, Dong Q. In Vitro Production of Neutrophils Extracellular Traps Is Affected by the Lactational Stage of Dairy Cows. **Animals.** 2022; 12:564.

Sadeghi H, Braun H-S, Panti B, Opsomer G, **Pascottini OB**. Validation of a deep learning-based image analysis system to diagnose subclinical endometritis in dairy cows. **PLOS ONE.** 2022; 17: e0263409.

Domain G, Buczkowska J, Kalak P, Wydooghe E, Banchi P, **Pascottini OB**, Niżański W, Van Soom A. Serum Anti-Müllerian Hormone: A Potential Semen Quality Biomarker in Stud Dogs? **Animals.** 2022; 12:323.

Tuska HSA, Residiwati G, Van Eetvelde, Verdru K, Meesters M, Budiono, **Pascottini OB**, Van Soom A, Opsomer G. The effect of season of birth on the morphometrics of newborn Belgian Blue calves. **Tropical Animal Health and Production.** 2022; 54, 76.

Lietaer L, **Pascottini OB**, Heirbaut S, Demeyere L, Vandaele L, Meyer E, Fievez V, Opsomer G. Quantitative and functional dynamics of circulating and endometrial polymorphonuclear leukocytes in healthy peripartum dairy cows. **Theriogenology.** 2022; 175: 50-59.

Angel-Velez D, De Coster T, Azari-Dolatabad N, Fernandez-Montoro A, Benedetti C, **Pascottini OB**, Woelders H, Van Soom A, Smits K. New Alternative Mixtures of Cryoprotectants for Equine Immature Oocyte Vitrification. **Animals.** 2021; 11: 3077.

Van Schyndel S, Dubuc J, **Pascottini OB**, Carrier J, Kelton D, Duffield T, LeBlanc SJ. The effect of pegbovigrastim on early lactation disease, production, and reproduction in dairy cows. **Journal of Dairy Science**. 2021; 104: 10100-10110.

Residiwati G, Azari-Dolatabad N, Tuska HSA, Sidi S, Van Damme P, Benedetti C, Montoro AF, Luceno NL, Pavani KC, Opsomer G, Van Soom A, **Pascottini OB**. Effect of lycopene supplementation to bovine oocytes exposed to heat shock during in vitro maturation. **Theriogenology**. 2021; 173: 48-55.

Xie L, Ma Y, Opsomer G, **Pascottini OB**, Guan Y, Dong Q. Neutrophil extracellular traps in cattle health and disease. **Research in Veterinary Science**. 2021; 139: 4-10.

Van Loo H, **Pascottini OB**, Ribbens S, Hooyberghs J, Pardon B, Opsomer G. Retrospective study of factors associated with bovine infectious abortion and perinatal mortality. **Preventive Veterinary Medicine**. 2021; 191: 105366.

Lietaer L, Demeyere K, Heirbaut S, Meyer E, Opsomer G, **Pascottini OB**. Flow cytometric assessment of the viability and functionality of uterine polymorphonuclear leukocytes in postpartum dairy cows. **Animals**. 2021; 11: 1081.

Habib T, Residiwati G, **Pascottini OB**, Verdrue K, Raes A, Meesters M, Six R, Santoro D, Budiono, Van Soom A, Opsomer G. The impact of elective caesarean section on colostrum characteristics in double-muscled Belgian Blue cows. **Theriogenology**. 2021; 167: 120-125.

Azari Dolatabad N, Raes A, Chaitanya Pavani K, Asaadi A, Angel D, Van Damme P, Leroy JLMR, Van Soom A, **Pascottini OB**. Follicular fluid during individual oocyte maturation enhances cumulus expansion and improves embryo development and quality in a dose-specific manner. **Theriogenology**. 2021; 166: 38-45.

Lietaer L, **Pascottini OB**, Kerckhof F, Props R, Lacoere T, Boon N, Vlamincx L, Van Soom A, Opsomer G, Van de Wiele T. Low microbial biomass within the reproductive tract of late postpartum dairy cows: a study approach. **Journal of Dairy Science**. 2021; 104: 6159-6174.

Asaadi A, Azari Dolatabad N, Atashi H, Raes A, Van Damme P, Hoelker M, Hendrix A, **Pascottini OB**, Van Soom A, Kafi M, Chaitanya Pavani K. Extracellular Vesicles from Follicular and Ampullary Fluid Isolated by Density Gradient Ultracentrifugation Improve Bovine Embryo Development and Quality. **International Journal of Molecular Science**. 2021; 22, 578.

Residiwati G, Habib SAT, Budiono, Kawai KVG, Seifi-Jamadi A, Santoro D, Leemans B, Boccart B, **Pascottini OB**, Opsomer G, Van Soom A. Practical methods to assess the effects of heat stress on

the quality of frozen-thawed Belgian Blue semen in field conditions. **Animal Reproduction Science**. 2020; 221: 106572.

Residiwati G, Habib SAT, Azari-Dolatabad N, Sidi S, Van Damme P, Pavani K, **Pascottini OB**, Opsomer G, Van Soom A. Crossbreeding effect of double-muscled cattle on in vitro embryo development and quality. **Reproductive Biology**. 2020; 20: 288-292.

Couto Serrenho R, Morrison E, **Pascottini OB**, DeVries T, Duffield T, LeBlanc SJ. The effect of prepartum negative dietary cation-anion difference and serum calcium concentration on blood neutrophil function in the transition period of healthy dairy cows. **Journal of Dairy Science**. 2020; 103: 6200-6208.

Angel D, Siqueira Canesin H, Brom-de-Luna J, Morado S, Dalvit G, Gomez D, Posada N, **Pascottini OB**, Urrego R, Hinrichs, K, Velez I. Embryo development after vitrification of immature and in vitro-matured equine oocytes. **Cryobiology**. 2020; 92: 251-254.

Van Schyndel S, Bauman C, **Pascottini OB**, Renaud DL, J Dubuc, Kelton D. Reproductive management practices on dairy farms: The Canadian National Dairy Study 2015. **Journal of Dairy Science**. 2019; 102: 1822-1831.

Van Schyndel S, Carrier J, **Pascottini OB**, LeBlanc SJ. The effect of pegbovigrastim on circulating neutrophil count in dairy cattle: A randomized controlled trial. **PLoS ONE**. 2018; 13: e0198701.

Ricci A, Racioppi V, Iotti B, Bertero A, Reed KF, **Pascottini OB**, Vincenti L. Assessment of the temperature cut-off point by a commercial intravaginal device to predict parturition in Piedmontese beef cows. **Theriogenology**. 2018; 113: 27-33.

Ortiz-Escribano N, **Pascottini OB**, Woelders H, Vandenberghe, De Schauwer C, Govaere J, Van Den Abbeel E, Vullers T, Ververs C, Roels K, Van De Velde M, Van Soom A, Smits K. An improved vitrification protocol for equine immature oocytes, resulting in a first live foal. **Equine Veterinary Journal**. 2018; 50: 391397.

Yang B, Li Y, **Pascottini OB**, Xie J, Wei R, Opsomer G, Nauwynck H. Primary replication and invasion of the bovine gammaherpesvirus BoHV-4 in the genital mucosae. **Veterinary Research**. 2017; 48: 83.

Tšuiiko O, Catteeuw M, Esteki M, Destouni, **Pascottini OB**, Besenfelder U, Havlicek V, Smits S, Kurg A, Salumets A, D'Hooghe T, Voet T, Van Soom A, Vermeesch J. Genome stability of bovine in vivo conceived cleavage-stage embryos is higher compared to in vitro-produced embryos. **Human Reproduction**. 2017; 32: 2348-2357.

Schang G, Fernandez-Fuertes B, Lean S, Nguyen A, **Pascottini OB**. Vision article: Infinity sperm storage: The gift that keeps on giving. **Molecular Reproduction and Development**. 2017; 84: 667-668.

Dini P, **Pascottini OB**, Ducheyne K, Hostens M, Daels P. Holding equine oocytes in a commercial embryo-holding medium: New perspective on holding temperature and maturation time. **Theriogenology**. 2016; 86: 1361-1368.

Heras S, De Coninck DI, Van Poucke M, Goossens K, **Pascottini OB**, Van Nieuwerburgh F, Deforce D, De Sutter P, Leroy J, Gutierrez-Adan A, Peelman L, Van Soom A. Suboptimal culture conditions induce more deviations in gene expression in male than female bovine blastocysts. **BMC Genomics**. 2016; 17: 1.

Dini P, Farhoodi M, Hostens M, Van Eetvelde M, **Pascottini OB**, Fazeli MH, Opsomer G. Effect of uterine lavage on neutrophil counts in postpartum dairy cows. **Animal Reproduction Science**. 2015; 158: 25-30.

CONFERENCES:

Abstracts presented at international conferences = **81**

Abstracts presented at international conferences as first author = **24**

OTHER SCIENTIFIC ACTIVITIES

INVITED SPEAKER AT INTERNATIONAL CONFERENCES AND WEBINARS

1. Invited (Workshop) speaker at International Congress on Animal Reproduction (ICAR). June 2022. **Italy**.
2. Systemic inflammation, immune function, and uterine health in postpartum dairy cows. Course in Uterine Immune Tolerance, University of Sao Paulo. November 2020. **Brazil**
3. Systemic inflammation, immune function, and uterine health in postpartum dairy cows. Course in Reproductive Tract Inflammatory Disease in Dairy Cows, University of Goias. November 2020. **Brazil**
4. Systemic inflammation, immune function, and uterine health in postpartum dairy cows. Le Congrès Vétérinaire Québécois. November 2020. **Canada**
5. From zero to hero in the academic world. International webinar special for COVID-19 charity in Indonesia. August 2020. **Indonesia**

6. A journey through the transition period in dairy cows. Veterinary Days Webinar. August 2020.
Paraguay
7. New perspectives on subclinical endometritis diagnosis in dairy cows. European Veterinary Conference: Voorjaarsdagen. April 2016.**The Netherlands**

PEER REVIEWER FOR INTERNATIONAL JOURNALS:

Total reviews = **68**

- Journal of Dairy Science (**n = 15**)
- Molecular Reproduction and Development (**n = 7**)
- Theriogenology (**n = 11**)
- Reproduction in Domestic Animals (**n = 3**)
- Reproductive Biology (**n = 3**)
- International Journal of Molecular Sciences (**n = 3**)
- Journal of Animal Science (**n = 1**)
- Veterinary Record (**n = 1**)
- Italian Journal of Animal Science (**n = 2**)
- BJOG: An International Journal of Obstetrics & Gynaecology (**n = 1**)
- Veterinary Medicine and Science. (**n = 3**)
- Metabolites (**n = 1**)
- PLoS ONE (**n = 2**)
- Animals (**n = 8**)
- Research in Veterinary Behavior (**n = 1**)
- Scientific Reports (**n = 6**)

EDITORIAL BOARD FOR INTERNATIONAL JOURNALS

Co-editor of the Special Issue "Reproductive Tract Inflammatory Disease in Postpartum Dairy Cows" in the journal Animals (Impact Factor: 2.323).

https://www.mdpi.com/journal/animals/special_issues/Reproductive_Cows

EVALUATION BOARD

Member of the evaluation board of for the Ph.D. thesis of Bo Yang "Replication characteristics of BoHV-4 in respiratory and genital mucosae and lack of association with subclinical endometritis". Ghent University, Belgium. January 2019.

AWARDS

1st Prize, Best Poster Presentation. Cytotape: a novel technique to diagnose subclinical endometritis in dairy cows. European Society of Domestic Animals Reproduction. September 2015, Albena, Bulgaria.

MEMBERSHIPS

1. Member of the European Society for Domestic Animal Reproduction (**ESDAR**; since 2015)
2. American Dairy Science Association (**ADSA**; since 2017)
3. International Embryo Technology Society (**IETS**; since 2017)
4. **President of the Morula's trainee group (IETS) 2020-2022**
5. **Board Member of the ESDAR 2021-2024**
6. **Board Member of the ADSA Reproduction Committee 2022-2025**

TEACHING RESPONSIBILITIES

Ghent University (Belgium)- Faculty of Veterinary Medicine

During the academic years of 2014-2015 and 2015-2016 I delivered weekly lessons of 2 hours consisting of theoretical and practical workshops (rectal palpation, reproductive ultrasound, artificial insemination, and embryo transfer in cows) for Master's students

University of Guelph (Canada)- Animal Bioscience

Academic year 2018-2019. Grad course on mammalian reproduction (ANSC*6400). Postpartum uterine disease complex in dairy cows

Ghent University (Belgium)- Faculty of Veterinary Medicine

During the academic years of 2019-2020 and 2021-2022 I delivered weekly lessons of 2 hours consisting of theoretical and practical workshops (rectal palpation, reproductive ultrasound, artificial insemination, and embryo transfer in cows) for Master's students

San Carlos University (Paraguay)- Agricultural Sciences

Invited professor for the Doctorate in Agricultural Sciences module Animal Reproduction and Genetics (40 hours)

Invited professor for the Master in Agricultural Sciences module Advanced Animal Reproduction (40 hours)

STUDENT SUPERVISION

Undergraduate student supervision: International Internships (Ghent University, Belgium)

Sebastian Gonzalez Andueza

- Role: Supervisor
- University of Origin: National University of Asuncion, Paraguay

- Internship topic: Lycopene supplementation in heat stressed embryos
- Status: concluded in 2021

Sadeghi Hafez

- Role: Supervisor
- University of Origin: University of Tehran, Iran
- Internship topic: Deep-learning image analyses of endometrial cytology slides
- Status: concluded in 2021

Graduate student supervision: Master of Science Program (University of Guelph, Canada)

Sabrina Van Schyndel

- Role: Co-supervisor
- Title: The effect of an immune stimulant on the incidence of clinical disease, production, and reproduction in early lactation dairy cows
- Status: concluded in 2019

Graduate student supervision: Master of Science Program (Ghent University, Belgium)

Emma Van den Branden

- Role: Co-supervisor
- Title: A comparative study of donkeys and horses
- Status: concluded in 2021

Jochem Wuyts

- Role: Co-supervisor
- Title: Optimization of young stock rearing as a key to a more sustainable dairy farming
- Status: concluded in 2021

Jens Sloodmans

- Role: Supervisor
- Title: The long term impact of an obesogenic environment on oocyte mitochondria: first important insights from a mouse *in vivo* and a bovine *in vitro* trial
- Status: concluded in 2022

Parcifal Temmerman

- Role: Supervisor

- Title: Comparison between cytobrush and uterine lavage cytological methods on the quality and the PMN percentage of bovine endometrial samples
- Status: concluded in 2022

Graduate student supervision: PhD Program (Ghent University, Belgium)

Gretania Residiwati

- Role: Co-supervisor
- Title: Effects of heat stress conditions on Belgian Blue cattle fertility: warming up for future challenges
- Status: concluded in 2021

Leen Lietaer

- Role: Co-supervisor
- Title: Novel insights about uterine innate immune function and microbiota in cattle
- Status: concluded in 2022

Nima Azari-Dolatabad

- Role: Co-supervisor
- Title: Tips and tricks for individual culture of bovine oocytes and embryos
- Status: ongoing

Hans Van Loo

- Role: Co-supervisor
- Title: Risk factors associated with bovine abortion
- Status: ongoing

Hussnain Rashid

- Role: Supervisor
- Title: Novel insights on the uterine metagenome in dairy cows
- Status: ongoing

Lei Xie

- Role: Supervisor
- Title: Innate immune function in the transition period of dairy cows
- Status: ongoing