

Scientific Work

Original scientific work and reviews in peer reviewed journals

- 2024 Malaluang P, Niazi A, Gou Y, **Nagel C**, Guimaraes T, Rocha A, Aurich C, Morell JM.
Bacterial diversity in semen from stallions in three European countries evaluated by 16S sequencing.
Veterinary research communications. 2024; 48:1409-1421.
- 2022 Kaps M, Lutzer A, Gautier C, **Nagel C**, Aurich J, Aurich C.
Altrenogest treatment reduces the stress response of three-year-old warmblood mares during their initial equestrian training.
Domestic Animal Endocrinology 2022; 80:106728.
- Lutzer A, **Nagel C**, Murphy BA, Aurich J, Aurich C.
Development of foals until one year of age when the dam was exposed to blue monochromatic light directed at one eye during late pregnancy.
Journal of Equine Veterinary Science 2022; 112:103922.
- Lutzer A, **Nagel C**, Murphy BA, Aurich J, Wulf M, Gautier C, Aurich C.
Effects of blue monochromatic light directed at one eye of pregnant horse mares on gestation, parturition and foal maturity.
Domestic Animal Endocrinology 2022; 78:106675.
- Nagel C**, Aurich C.
Induction of parturition in horses – from physiological pathways to clinical applications.
Domestic Animal Endocrinology 2022;78:106670.
- 2020 **Nagel C**, Melchert M, Aurich C, Aurich J.
Differences in endocrine and cardiac changes in mares and her fetus before, during, and after parturition in horses of different size.
Animals 2020;10:1577; <https://doi.org/10.3390/ani10091577>
- Melchert M, **Nagel C**, Aurich C, Aurich J.
Transport-related stress in five-day-old foals and their dams.
Journal of Veterinary Behavior 2020;3986-89.
- Gautier C, Scarlet D, Ertl R, Walter I, Wulf M, **Nagel C**, Aurich J, Aurich C.
Expression of enzymes involved in polyunsaturated fatty acid synthesis in the stallion testis and epididymis.
Reproduction, fertility, and development. 2020;32:851-861.
- Nagel C**, Aurich J, Aurich C.
Prediction of the onset of parturition in horses and cattle.
Theriogenology. 2020;150:308-312.
- Nagel C**, Melchert M, Aurich J, Aurich C.
Road transport of late-pregnant mares advances the onset of foaling.
Journal of Equine Veterinary Science. 2020;86;102894.

- 2019 Melchert M, Aurich C, Aurich J, Gautier C, **Nagel C**.
Controlled delay of the expulsive phase of foaling affects sympathoadrenal activity and acid base balance of foals in the immediate postnatal phase.
Theriogenology. 2019;139:8-15.
- Nagel C**, Aurich C, Aurich J.
Stress effects on the regulation of parturition in different domestic animal species.
Anim Reprod Sci. 2019;207:153-161.
- Aurich J, Köhne M, Wulf M, **Nagel C**, Beythien E, Gautier C, Zentek J, Aurich C.
Effects of dietary L-arginine supplementation to early pregnant mares on conceptus diameter-Preliminary findings.
Reprod Domest Anim. 2019;54:772-778.
- Melchert M, Aurich C, Aurich J, Gautier C, **Nagel C**.
External stress increases sympathoadrenal activity and prolongs the expulsive phase of foaling in pony mares.
Theriogenology. 2019;128:110-115.
- 2018 Hartmann C, Lidauer L, Aurich J, Aurich C, **Nagel C**.
Detection of the time of foaling by accelerometer technique in horses (Equus caballus)-a pilot study.
Reprod Domest Anim. 2018;53:1279-1286.
- Nagel C**, Aurich J, Aurich C.
Salivary Cortisol, heart rate and heart rate variability in healthy and diseased neonatal foals.
Pferdeheilkunde 2018; 34: 27-32.
- 2017 Ishizaka S, Aurich JE, Ille N, Aurich C, **Nagel C**.
Acute Physiological Stress Response of Horses to Different Potential Short-Term Stressors.
Journal of Equine Veterinary Science 2017; 54: 81-86.
- Nagel C**, Trenk L, Wulf M, Ille N, Aurich J, Aurich C.
Oxytocin treatment does not change cardiovascular parameters, hematology and plasma electrolytes in parturient horse mares.
Theriogenology 2017;91:69-76.
- 2016 **Nagel C**, Trenk L, Aurich J, Wulf M, Aurich C.
Changes in blood pressure, heart rate, and blood profile in mares during the last 3 months of gestation and the peripartum period.
Theriogenology 2016;86:1856-64.
- Nagel C**, Aurich J, Trenk L, Ille N, Drillich M, Pohl W, Aurich C.
Stress response and cardiac activity of term and preterm calves in the perinatal period.
Theriogenology 2016;86:1498-505.
- Kuhl J, **Nagel C**, Ille N, Aurich J, Aurich C.
The PGF 2α agonists luprostitol and d-cloprostenol reliably induce luteolysis in luteal phase mares without evoking clinical side effects or a stress response.
Anim Reprod Sci 2016;168:92-9.

- Nagel C**, Trenk L, Aurich C, Ille N, Pichler M, Drillich M, Pohl W, Aurich J.
Sympathoadrenal balance and physiological stress response in cattle at spontaneous and PGF₂ α -induced calving.
Theriogenology 2016;85:979-85.
- Ille N, **Nagel C**, Aurich J, Aurich C.
Cortisol release in mares treated with oxytocin because of retained fetal membranes.
J Equine Vet Sci 2016;37:46-8.
- 2015 Trenk L, Kuhl J, Aurich J, Aurich C, **Nagel C**.
Heart rate and heart rate variability in pregnant dairy cows and their fetuses determined by fetomaternal electrocardiography.
Theriogenology 2015;84:1405-10.
- Nagel C**, Ille N, Erber R, Aurich C, Aurich J.
Stress Response of Veterinary Students to Gynaecological Examination of Horse Mares - Effects of Simulator-Based and Animal-Based Training.
Reprod Domest Anim 2015;50:866-71.
- Nagel C**, Ille N, Aurich J, Aurich C.
Teaching of diagnostic skills in equine gynecology: Simulator-based training versus schooling on live horses.
Theriogenology 2015;84:1088-95.
- Nagel C**, Erber R, Ille N, Wulf M, Aurich J, Möstl E, Aurich C.
Heart rate and salivary cortisol concentrations in foals at birth.
Vet J 2015;203:250-2.
- 2014 **Nagel C**, Erber R, Ille N, von Lewinski M, Aurich J, Möstl E, Aurich C.
Parturition in horses is dominated by parasympathetic activity of the autonomous nervous system.
Theriogenology 2014;82:160-8.
- Aurich C, Weber J, **Nagel C**, Merkl M, Jude R, Wostmann S, Ollech D, Baron U, Olek S, Jansen T.
Low levels of naturally occurring regulatory T lymphocytes in blood of mares with early pregnancy loss.
Reprod Fertil Dev 2014;26:827-33.
- 2013 Palm F, **Nagel C**, Bruckmaier RM, Aurich JE, Aurich C.
Clinical parameters, intestinal function, and IGF1 concentrations in colostrum-deprived and colostrum-fed newborn pony foals.
Theriogenology 2013;80:1045-51.
- 2012 **Nagel C**, Erber R, Bergmaier C, Wulf M, Aurich J, Möstl E, Aurich C.
Cortisol and progestin release, heart rate and heart rate variability in the pregnant and postpartum mare, fetus and newborn foal.
Theriogenology 2012;78:759-67.
- Schramel J, **Nagel C**, Auer U, Palm F, Aurich C, Moens Y.
Distribution of ventilation in pregnant Shetland ponies measured by Electrical Impedance Tomography.
Respir Physiol Neurobiol 2012;180:258-62.

- 2011 **Nagel C**, Aurich J, Aurich C.
Heart Rate and Heart Rate Variability in the Pregnant Mare and its Foetus.
Reprod Domest Anim 2011;46:990-3.
- Nagel C**, Aurich J, Palm F, Aurich C.
Heart rate and heart rate variability in pregnant Warmblood and Shetland mares as well as their fetuses.
Anim Reprod Sci 2011;127:183-7.
- Nagel C**, Aurich C.
Trächtigkeitsmonitoring mittels fetomaternaler Elektrokardiografie bei der Stute und ihrem Fetus.
Praktische Tierarzt 2011;7:588-595.
- 2010 **Nagel C**, Aurich J, Aurich C.
Determination of heart rate and heart rate variability in the equine fetus by fetomaternal electrocardiography.
Theriogenology 2010;73:973-83.

Published conference paper (peer-reviewed)

- 2021 **Nagel C**, Lutzer A, Wulf M, Murphy B, Jörg Aurich J, Gautier C, Aurich C.
Effects of blue light diodes directed at one eye of pregnant mares on first postpartum ovulation and pregnancy rate. British Society of Animal Science Apr 12-15, 2021 On-line Virtual Conference. Animal - science proceedings 2021;21:41.
- Lutzer A, **Nagel C**, Murphy B, Wulf M, Aurich J, Gautier C, Aurich C.
Effects of blue LED light directed at one eye on equine pregnancy. British Society of Animal Science Apr 12-15, 2021 On-line Virtual Conference. Animal - science proceedings 2021;21:40.
- Nagel C**.
Modulation of equine parturition by external challenges and environmental factors – A review. 54th Annual Conference Physiology and Pathology of Reproduction and simultaneously 46th Joint Congress of Veterinary and Human Medicine, Feb 10-12, 2021, Zurich, Switzerland, Online Virtual Conference. Reprod Domest Anim 56, Suppl.1:4.
- 2019 **Nagel C**, Aurich C, Aurich J.
Stress effects on the regulation of parturition in different domestic animal species. European College of Animal Reproduction (ECAR) 1st Scientific Symposium Jul 4-6, 2019, Vetmeduni Vienna, Austria. Anim Reprod Sci. 2019;207:153-161.
- 2018 **Nagel C**, Melchert M, Aurich J, Aurich C.
Road Transport of Late Pregnant Mares Advances the Onset of Foaling. 12th International Symposium on Equine Reproduction (ISER), Jul 22-27, 2018, Cambridge, United Kingdom. Journal of Equine Veterinary Science (66) 252.
- Aurich C, Melchert M, Gautier C, Aurich J, **Nagel C**.
Effects of Acute Stress on Parturition in Pony Mares. 12th International Symposium on Equine Reproduction (ISER), Jul- 22-27, 2018, Cambridge, United Kingdom. Journal of Equine Veterinary Science (66) 229.

- Nagel C**, Melchert M, Gautier C, Aurich J, Aurich C.
Transport-related stress response in newborn foals and their dams. 22nd Annual Conference of the European-Society-for-Domestic-Animal-Reproduction (ESDAR), Sep 27-29, 2018, Cordoba, Spain. *Reprod Domest Anim* (53), S2 92-92.
- Melchert M, Aurich C, Gautier C, Aurich J, **Nagel C**.
Effects of acute external stress during parturition on the neonatal adaptation in the horse. 22nd Annual Conference of the European-Society-for-Domestic-Animal-Reproduction (ESDAR), Sep 27-29, 2018, Cordoba, Spain. *Reprod Domest Anim* (53), S2 166-166.
- Melchert M, Aurich J, Aurich C, **Nagel C**.
Precolostrum pH in late pregnant Shetland pony and Haflinger mares 51st Annual Conference of Physiology and Pathology, of Reproduction / 43rd Mutual Conference of Veterinary and Human Reproductive Medicine, Feb 21-23, 2018, Hannover, Germany, *Reprod Domest Anim* (53), S1 26-26.
- 2017 **Nagel C**, Aurich J, Ille N, Krupka V, Aurich C.
Transport related stress response in pregnant and postpartum mares. 21st Annual Conference of the European-Society-for-Domestic-Animal-Reproduction (ESDAR), AUG 24-26, 2017, Bern, Switzerland. *Reprod Domest Anim* (52), S3 58-59.
- 2016 **Nagel C**, Aurich J; Trenk L, Ille N, Drillich M, Aurich C.
Comparison of the stress response at birth in preterm and term calves. 20th Annual Conference of the European Society for Domestic Animal Reproduction; Sep 27-29, 2016; Lisbon, Portugal. *Reprod Domest Anim* 51, Suppl.2:64.
- Krieger S, Kanz P, Aurich C, **Nagel C**, Iwersen M, Drillich M.
Maternal heart rate dynamics during the second stage of labour in dairy cows. World Buiatrics Congress; Jul 3-8, 2016; Dublin, Ireland. (ISBN: 978-1-5262-0432-5)
- 2015 Kuhl J, Trenk L, Aurich C, Aurich J, **Nagel C**.
Changes in heart rate and heart rate variability in bovine fetuses during pregnancy. 19th Annual Conference of the European Society for Domestic Animal Reproduction; Sep 16-19, 2015; Albena, Bulgaria. *Reprod Domest Anim* 50, Suppl.3:62.
- Nagel C**, Ille N, Erber R, Aurich C, Aurich J.
Stress response of veterinary students to gynaecological examination of horse mares: effects of simulator-based and animal-based training. 19th Annual Conference of the European Society for Domestic Animal Reproduction; Sep 16-19, 2015; Albena, Bulgaria. *Reprod Domest Anim* 50, Suppl.3:38-9.
- Kuhl J, **Nagel C**, Ille N, Aurich C.
Evaluation of the stress response of mares after induction of luteolysis with two different PGF₂ α agonists. Society for the Study of Reproduction, 48. Annual Meeting; Jun 18-22, 2015; Puerto Rico, USA. Abstract 582.
- Aurich C, Weber J, **Nagel C**, Baron U, Olek S, Jansen T.
Levels of naturally occurring regulatory T-lymphocytes in mares during estrous, luteal phase and pregnancy. Society for the Study of Reproduction, 48. Annual Meeting; Jun 18-22, 2015; Puerto Rico, USA. Abstract 193.

Nagel C, Trenk L, Kuhl J, Aurich J, Aurich C.

Effects of pregnancy and lactation on heart rate and heart rate variability in dairy cows and their fetuses. Society for the Study of Reproduction, 48. Annual Meeting; Jun 18-22, 2015; Puerto Rico, USA. Abstract 207.

Nagel C, Ille N Aurich J, Aurich C.

Simulator-based training in equine gynecology - animal welfare versus learning outcome. Society for the Study of Reproduction, 48. Annual Meeting; Jun 18-22, 2015; Puerto Rico, USA. Abstract 699.

2014 Trenk L, Aurich C, Kuhl J, Aurich J, **Nagel C**.

Effects of pregnancy and lactation on heart rate and heart rate variability in dairy cows. 18th Annual Conference of the European Society for Domestic Animal Reproduction; Sep 11-13, 2014; Helsinki, Finland. *Reprod Domest Anim* 49, Suppl.3:97.

Nagel C, Erber R, Ille N, Wulf M, Aurich J, Möstl E, Aurich C.

Sympathetic activity and cortisol release in foals at birth. 18th Annual Conference of the European Society for Domestic Animal Reproduction; Sep 11-13, 2014; Helsinki, Finland. *Reprod Domest Anim* 49, Suppl.3:83.

2014 **Nagel C**, Erber R, Ille N, Von Lewinski M, Aurich J, Möstl E, Aurich C.

Sympathoadrenal and adrenocortical activity in parturient mares. XIth International Symposium on Equine Reproduction; Jan 26-31, 2014; Hamilton, New Zealand. *J Equine Vet Sci* 34:211.

2013 Palm F, Aurich J, Bruckmaier R, **Nagel C**, Aurich C.

Clinical findings, intestinal development and IGF1 in colostrum-fed and colostrum-deprived neonatal foals. 17th Annual Conference of the European Society of Domestic Animal Reproduction; Sep 12-14, 2013; Bologna, Italy. *Reprod Domest Anim* 48:117.

Nagel C, Erber R, Ille N, Aurich J, Mostel E, Aurich C.

Catecholamines and cortisol release and cardiac regulation in parturient mares. 17th Annual Conference of the European Society of Domestic Animal Reproduction; Sep 12-14, 2013; Bologna, Italy. *Reprod Domest Anim* 48:97.

Aurich C, Weber J, **Nagel C**, Merkl M, Jude R, Wostmann S, Baron U, Olek S, Jansen T.

Low levels of regulatory T-lymphocytes in blood of mares are associated with early pregnancy loss. 64th Annual Meeting of the European Federation of Animal Science; Aug 26-30, 2013; Nantes, France. (ISBN: 978-90-8686-228-3)

Nagel C, Aurich JE, Erber R, Aurich C.

Prediction of foaling in mares based on changes in endocrine and cardiac parameters. 64th Annual Meeting of the European Federation of Animal Science, Aug 26-30, 2013; Nantes, France. (ISBN: 978-90-8686-228-3)

- 2012 **Nagel C**, Becker-Birck M, Deichsel K, Aurich C.
Perceived stress in humans during collection of stallion semen. 6th International Symposium on Stallion Reproduction, Sep 5-7, 2012; Vienna, Austria; J Equine Vet Sci 32, Suppl.8:502.
- Erber R, **Nagel C**, Palm F, Aurich J, Möstl E, Aurich C.
Salivary cortisol, heart rate and heart rate variability in healthy and septicemic newborn foals. 45th Annual Conference of Physiology and Pathology of Reproduction/37th Joint Conference on Veterinary and Human Reproduction Medicine/1st Joint German-Polish Conference on Reproductive Medicine, Feb 29 - Mar 02, 2012; Berlin, Germany; Reprod Domest Anim 47:20-1.
- Nagel C**, Bergmeier C, Erber R, Wulf M, Möstl E, Aurich J, Aurich C.
Endocrine changes in the prepartum mare. 45th Annual Conference of Physiology and Pathology of Reproduction/37th Joint Conference on Veterinary and Human Reproduction Medicine/1st Joint German-Polish Conference on Reproductive Medicine, Feb 29 - Mar 02, 2012; Berlin, Germany; Reprod Domest Anim 47, Suppl.2:38.
- 2011 Palm F, Aurich JE, Hirt R, **Nagel C**, Bruckmaier RM, Aurich C.
Intestinal development and haematology parameters in foals fed either colostrum or milk replacer during the first 24 hours of life. 7th International Congress on Farm Animal Endocrinology, Aug 24-26, 2011; Bern, Switzerland; (ISBN: 978-3-033-03089-3)
- 2010 **Nagel C**, Aurich J, Palm F, Aurich C.
Heart rate and heart rate variability in pregnant warmblood and Shetland mares and their fetuses. 14th Annual Conference of the European Societies Domestic Animals Reproduction/22nd Annual Meeting of the EU-AI-Vets, Sep 15-22, 2010; Eger, Hungary; Reprod Domest Anim 45, Suppl.3:69.
- Nagel C**, Aurich J, Aurich C.
Heart rate and heart rate variability in the pregnant mare compared to her fetus. 10th International Symposium on Equine Reproduction, Jul 26-30, 2010; Lexington, Kentucky, USA; Anim Reprod Sci 121, Suppl.1:361-3.
- Nagel C**, Aurich J, Aurich C.
Changes in foetal heart rate and heart rate variability determined by fetomaternal electrocardiography in the horse. 43rd Annual Conference of Physiology and Pathology of Reproduction/35th Mutual Conference on Veterinary and Human Reproductive Medicine, Feb 24-26, 2010; Munich, Germany; Reprod Domest Anim 45, Suppl.1:36.
- 2009 Schramel JP, **Nagel C**, Auer U, Palm F, Aurich C, Moens Y.
Regional distribution of ventilation in standing Shetland ponies ante partum and post partum determined by electrical impedance tomography. Veterinary Comparative Respiratory Society, Oct 27-29, 2009; Plymouth, USA.

Other conference paper (non-peer-reviewed)

- 2023 Effects of blue light directed at one eye of pregnant mares on parturition, foal development and postpartum ovulation.
11. Tierärztfortbildung Graf Lehndorff-Institute for Equine Science, 16. Feb. 2019; Neustadt/ Dosse, Germany.
- 2019 Breeding a mare with frozen semen. New insights!
10. Tierärztfortbildung Graf Lehndorff-Institute for Equine Science, 16. Feb. 2019; Neustadt/ Dosse, Germany.
- 2018 Transport of late pregnant mares - Are you being stressed?
9. Tierärztfortbildung Graf Lehndorff-Institute for Equine Science, 24. Feb. 2018; Neustadt/ Dosse, Germany.

Transport-related stress response in newborn foals and their dams. Pregnancy-Parturition-Puerperium Meeting (PPP), 14.-16. Sep. 2018; Zurich, Swiss.
- 2017 Stress at parturition – a comparison between horse and cattle.
Pregnancy-Parturition-Puerperium Meeting (PPP), 28.-30. Sep. 2017; Giessen, Germany.
- 2016 Effects of transport stress during the peripartum period in horses. Pregnancy-Parturition-Puerperium Meeting (PPP), 9.-10. Sep. 2016; Lublin, Poland.
- 2015 Cardiac function and fluid balance in parturient mares. Pregnancy-Parturition-Puerperium Meeting (PPP), 2.-3. Oct. 2015; Vienna, Austria.
- 2014 Parturition and Stress
“Dry-period and parturition“ Vienna Advanced Ruminant Training Course, 7.-8. Nov. 2014; Vetmeduni Vienna, Austria.
- 2012 Abdominal pain in newborn foals
Vienna Postgraduate Training „Obstetrics and Perinatology“, 3.-4. Feb. 2012; Vienna, Austria.

Pregnancy Monitoring and disorders in the late pregnant mare
Vienna Postgraduate Training „Obstetrics and Perinatology“, 3.-4. Feb. 2012; Vienna, Austria.
- 2011 Endocrine changes in preparturient mares. Pregnancy-Parturition-Puerperium Meeting (PPP), 23.-24.Sep. 2011; Mariensee, Germany.

The newborn foal: characteristics of the neonatal period
SVK-Hippologentagung, 13 May 2011; Brandenburg State Stud Neustadt/ Dosse, Germany.

Fetomaternal monitoring during late pregnancy
Advanced training course for veterinarians, Graf Lehndorff-Instituts for equine science, 13. Jan 2011; Brandenburg State Stud Neustadt/ Dosse, Germany.
- 2010 Pregnancy management in the mare
Frankfurter Tierärztekongress, 6.-8. May 2010, Bad Homburg, Germany.

Clinical examination of the newborn foal
Frankfurter Tierärztekongress, 6.-8. Mai 2010, Bad Homburg, Germany.

- 2010 The orphan foal
Frankfurter Tierärztekongress, 6.-8. Mai 2010, Bad Homburg, Germany.
- 2008 Monitoring of fetal heart rate in late pregnant mares by continuous ECG.
Pregnancy-Parturition-Puerperium Meeting (PPP), 9.-11. Oct 2008; Gargnano (Brescia)-Garda Lake, Italy.

Research projects

<i>year</i>	<i>project</i>	<i>own investigations</i>
Since 2022	„Horse Watch“ Effect of age and housing on physiological development of young horses at the onset of training	co-investigator
2023	Evaluation progesterone concentration in faeces and salivary during early pregnancy in the mare	co-investigator
2021-	Effects of weather conditions on horses' behaviour and stress response	co-investigator
2019-22	Effects of a long day light program during late gestation on foaling and foal development	Supervisor of doctoral student
2019	Effect of Altrenogest treatment in response to stress of three-year-old warmblood mares during their initial equestrian training	co-investigator
2019	Differences in horses stress response and thermoregulation in blanket vs. non-blanket horses	Supervisor of PhD Student
2019	Vibroacoustic stimulation of the late gestational equine fetus	Supervisor of diploma student
2018-19	Effect of the mares size and age on fetal and maternal heart rate during late gestation and parturition	principal investigator
2016-19	Effect of exogenous disruptive factors on time course and process of parturition in horses	principal investigator
2017-18	Using accelerometer technique to predict the time of parturition	Supervisor of doctoral student
2016	Vibroacoustic stimulation of the late gestational equine fetus	co-supervisor
2015-17	Meaning of nerve growth factor as a stress parameter in horses	co-supervisor of Postdoc
2014-15	Fluid balance and cardiovascular regulation in parturient mares	principal investigator

2013-14	Effect and tolerability of PGF2 α agonist Lutprostiol in mares	co-investigator
2013-14	Simulator-based training of reproductive examinations in the mare	principal investigator
2013-15	Fetomaternal electrocardiography as well as stress hormone profile in pregnant and parturient cows and their calves	principal investigator
2011-12	Fetomaternal electrocardiography as well as stress hormone profile in parturient mares and their foals	principal investigator
2011	Naturally occurring regulatory T lymphocytes in blood of mares with early pregnancy loss	co-investigator
2010	Stress in humans during collection of stallion semen	principal investigator
2009-10	Heart rate and heart rate variability in hospitalised clinically ill foals	principal investigator
2009-10	Effect of colostrum on intestinal function of newborn foals	co-investigator
2009	Electrical impedance tomography in ante partum and post partum mares	co-investigator
2008-10	Fetomaternal electrocardiography during pregnancy and parturition in the horse (dissertation project)	thesis student (doctorate 2010)

Awards

2013/ 2014	Young Researcher Award University of Veterinary Medicine Vienna in der Einwerbung von Drittmitteln; Kategorie: Mitarbeiterinnen Kliniken
2013	Best Paper Young Researcher Award "Prediction of foaling in mares based on changes in endocrine and cardiac parameters" European Federation of Animal Science, Nantes, France.
2011/ 2012	Young Researcher Award University of Veterinary Medicine Vienna in der Einwerbung von Drittmitteln; Kategorie: Mitarbeiterinnen Kliniken

Research founding

<i>year</i>	<i>project</i>	<i>founding</i>
2015	Characterization of physiological mechanisms regulating equine parturition and analysis of environmental disturbance during foaling	University of Veterinary Medicine, Vienna, <i>Profillinien-Start-up</i>
2013	Simulator-based training of reproductive examinations in the mare. Analysis of accuracy of the diagnosis and stress response of veterinary students during test situations in the veterinary curriculum.	KELDAT-Competence centre for e-learning, didactics and educational research in veterinary medicine, Hannover, Germany (<i>Volkswagenstiftung</i> and <i>Stiftung Merkator</i>)
2011	Fetomaternal monitoring based on electrocardiography in the bovine	<i>Hochschuljubiläumsstiftung</i> city of Vienna

Supervisor of university thesis

<i>year</i>	<i>title</i>	<i>work</i>
2023	Effect of embryotransfer donor and recipient mare on the length of equine gestation	<i>Diplomarbeit</i>
2023	A retrospective study about <i>Rhodococcus equi</i> infection in a horse stock.	<i>Diplomarbeit</i>
2022	Effects of a long day light program during late gestation on foaling and foal development	<i>Dissertation</i>
2019	Effects of a long day light program during late gestation on maternal behavior	<i>Bachelor-project</i>
	Vibroacoustic stimulation of the late gestational equine fetus	<i>Diplomarbeit</i>
	Kaufverhalten und wertbildende Faktoren bei Islandpferden unter Berücksichtigung der Zuchtziele	<i>Bachelor-project</i>
2018	Effect of the mares age on fetal and maternal heart rate during late gestation and parturition	<i>Diplomarbeit</i>
2017	Effect of exogenous disruptive factors on time course and process of parturition in horses	<i>Dissertation</i>
2017	Effect of the mares size on fetal and maternal heart rate during late gestation and parturition	<i>Diplomarbeit</i>

	Fetomaternal monitoring after induction of parturition in cows with eutocia and dystocia	<i>Diplomarbeit</i>
2015	Effects of transport related stress on time course and process of parturition in horses	<i>Dissertation</i>
2013	Fetomaternal electricardiographie in pregnant and parturient dairy cows	<i>Dissertation</i>
2009	Heart rate and heart rate variability in hospitalised clinically ill foals	<i>Diplomarbeit</i>