

CURRICULUM VITAE

Julia B. Montgomery, Med Vet, PhD, DACVIM (LAIM)

1. PERSONAL

Full Name: Julia Bettina Montgomery (nee Krause)
Citizenship: Canadian; German

2. DEGREES

Ph.D., University of Prince Edward Island, 2010, Atlantic Veterinary College,
Equine Immunology & Nutrition
Med Vet, University of Veterinary Medicine Hannover, Germany, 2003

3. CREDENTIALS

Diplomate of the American College of Veterinary Internal Medicine (DACVIM),
Specialty of Large Animal Internal Medicine (LAIM), 2008 – present
Licensed to practice veterinary medicine in Germany, 2003 – present
Licensed to practice veterinary medicine in Saskatchewan, 2013 – 2024
Licensed to practice veterinary medicine on Prince Edward Island, 2005 – 2008

4. APPOINTMENTS (INCLUDING JOINT) AND PROMOTIONS AT OSU

Professor (Tenured) and Department Head, Veterinary Clinical Sciences (VCS),
Oklahoma State University (OSU), College of Veterinary Medicine
(CVM), Stillwater, OK, USA, April 2024 – present

5. ADJUNCT APPOINTMENTS AT OTHER INSTITUTIONS

Adjunct Professor, Department of Large Animal Clinical Sciences, Western
College of Veterinary Medicine, University of Saskatchewan, Canada,
April 2024 - present
Associate Tutor, School of Veterinary Medicine, University of Surrey, United
Kingdom, 2013 – 2014

6. PREVIOUS POSITIONS

Professor, Tenured, Department of Large Animal Clinical Sciences (LACS),
Western College of Veterinary Medicine (WCVM), University of
Saskatchewan (USask), Saskatoon, Saskatchewan (SK), Canada, July
2023 – April 2024
Associate Professor, Tenured, Department of LACS, WCVM, USask, Saskatoon,
SK, Canada, July 2019 - June 2023

Assistant Professor, Tenure-track, Department of LACS, WCVM, USask, Saskatoon, SK, Canada, February 2013 - June 2019
Postdoctoral Fellow, Pulmonary Pathobiology Laboratory, Department of Veterinary Biomedical Sciences, WCVM, USask, Saskatoon, SK, Canada, July 2011 - January 2013
Anatomy Lecturer and Lab Instructor, College of Veterinary Medicine, North Carolina State University, Raleigh, North Carolina, USA, 2010-2011
Education Specialist, College of Veterinary Medicine, North Carolina State University, Raleigh, North Carolina, USA, 2009-2011
Graduate student (PhD candidate), Atlantic Veterinary College (AVC), University of Prince Edward Island (UPEI), Charlottetown, Prince Edward Island (PEI), Canada, 2005-2009
Resident in Large Animal Internal Medicine, AVC, UPEI, Charlottetown, PEI, Canada, 2005-2008
Intern in Equine Medicine and Surgery, Marion duPont Scott Equine Medical Center, Virginia-Maryland Regional College of Veterinary Medicine, Virginia Polytechnic Institute and State University, Leesburg, Virginia, USA, 2004-2005
Veterinarian, Equine Practice, Brebersdorf, Bavaria, Germany, 2003-2004

7. LEAVES

Sabbatical leave July 1, 2019 – June 30, 2020

8. RECOGNITIONS

Elected membership, Phi Zeta Honor Society of Veterinary Medicine, Nu Chapter, April 2025
Travel Award, American Association of Anatomists, 2013
G. Murray and Hazel Hagerman Scholarship for high Academic Achievement, UPEI, Canada, 2008
Gold prize for presentation in Animal Health Research, AVC, Canada, 2008
DVM Graduate Program Award for high academic achievement, AVC, Canada, 2007-2009
Prize for best presentation in Animal Nutrition, Chilean Society of Animal Science, 2007
Scholarship for high academic achievement, Friedrich-Ebert-Foundation (FES), Germany (federally funded scholarship), 2000-2003

9. TEACHING ACTIVITIES

9.1 SCHEDULED INSTRUCTIONAL ACTIVITY AT OSU

YEAR	COURSE DESCRIPTION	INST.	ENRL.	YIH TYPE
<u>2025-2026</u>				

VME 7171	Nutrition	LEC	106	3
VME 7552	Endocrinology	LEC	106	6
(Instructor of Record (IOR))				

YEAR	COURSE DESCRIPTION	INST. TYPE	ENRL.	YIH
<u>2024-2025</u>				
VME 7171	Nutrition	LEC	111	3
VMED 7333	Veterinary Pharmacology I	LEC	106	1
VMED 7583	Dermatology & Endocrinology	LEC	106	4
VMED 7771	Essentials in Equine Practice: Medicine Elective	LEC	106	1
VMED 7652	Intro to Clinics II	LEC	106	6

SCHEDULED INSTRUCTIONAL ACTIVITY AT USASK

YEAR	COURSE DESCRIPTION	INST. TYPE	ENRL.	YIH
<u>2023-2024</u>				
VLAC 461	Equine Medicine and Surgery (course coordinator)	LEC	85	18
VLAC 891	Advanced Clinical Practice 1 & 3 & 893	PRC	2	3
VLAC 990	LACS Graduate Student Seminar Series (course co-coordinator)	PRC	31	8

YEAR	COURSE DESCRIPTION	INST. TYPE	ENRL.	YIH
<u>2022-2023</u>				
VBMS 208	Biomedical Rounds Case 4 wrap up lecture	LEC	89	1
VSAC 304	Veterinary Anesthesia and Analgesia	LEC	85	1
VSAC 320	Diagnostic Medicine	LEC	85	5
VLAC 461	Equine Medicine and Surgery (course coordinator; revised VLAC 462)	LEC	86	21
VINT 202	Clinical Skills 1	PRC	89	2
VINT 302	Clinical Skills 2	PRC	85	12
VINT 580	Large Animal Medicine	CLN	1-6	288
VLAC 892	Advanced Clinical Practice 2 & 3 & 893# (course coordinator)	PRC	2	3

BioE 898	Medical Devices - Quality Management Systems, Application of Risk Management and Usability Engineering	PRC	3	21
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Overall average for teaching evaluations: **4.13/5** (VINT 580), **6.83/7** (VLAC 461).

YEAR	COURSE DESCRIPTION	INST. TYPE	ENRL.	YIH
<u>2021-2022</u>				
VBMS 304	Veterinary Anesthesia and Analgesia	LEC	85	1
VSAC 320	Diagnostic Medicine	LEC	85	5
VLAC 462	Equine Medicine and Surgery (course coordinator)	LEC PRC	78 39	15 18
VINT 202	Clinical Skills 1	LEC	22	4
VINT 302	Clinical Skills 2	PRC	44	12
VINT 580	Large Animal Medicine	CLN	1-6	384
VINT 580	Summer Large Animal Medicine	CLN	1-4	32
VLAC 891 & 892	Advanced Clinical Practice 1 & 2 (course coordinator)	PRC	2	4
VLAC 875	Advanced Large Animal Medicine	LEC	2	9

Overall average for teaching evaluations: **4.20/5** (VINT 580), **6.96/7** (VLAC 462).

YEAR	COURSE DESCRIPTION	INST. TYPE	ENRL.	YIH
<u>2020-2021</u>				
VBMS 305	Veterinary Pain and Analgesia*	LEC	79	1
VSAC 376	Clinical Exam and Diagnosis*	LEC PRC	79 20	5 6
VLAC 462	Equine Medicine and Surgery* (course coordinator, new)	LEC PRC	77 19	15 18
VINT 202	Clinical Skills 1	PRC	21	4
VINT 580	Large Animal Medicine	CLN	2-6	320
VINT 580	Summer Large Animal Medicine	CLN	1-4	32
VLAC 891	Advanced Clinical Practice 1	PRC	1	6

Overall average for teaching evaluations: **4.21/5** (VINT 580), **6.5/7** (VBMS 305), **6.37/7** (VLAC 462). *Note – remote delivery of all lectures.

2019-2020

Sabbatical leave

YEAR	COURSE DESCRIPTION	INST. TYPE	ENRL.	YIH
<u>2018-2019</u>				
VBMS 305	Veterinary Pain and Analgesia	LEC	84	1
VSAC 376	Clinical Exam and Diagnosis	LEC	84	12
		PRC	42	10
VLAC 462	Equine Medicine and Surgery	LEC	71	17
		PRC	35	24
VINT 439	Research Elective	LEC	1	24
VINT 580	Large Animal Medicine	CLN	1-4	192
VINT 580	Summer Large Animal Medicine	CLN	4-5	96
VLAC 893	Advanced Clinical Practice 3	PRC	2	7
VLAC 898	Principles of Equine Sports Medicine and Rehabilitation	PRC	1	16

Overall average for teaching evaluations: **4.36/5** (VINT 580), **4.38/5** (VINT 580 Summer), **6.94/7** (VLAC 462).

YEAR	COURSE DESCRIPTION	INST. TYPE	ENRL.	YIH
<u>2017-2018</u>				
VBMS 220	Veterinary Anatomy	LEC	83	4
		PRC	83	9
VBMS 305	Veterinary Pain and Analgesia	LEC	75	1
VBMS 208	Biomedical Rounds	PRC	5	3
VSAC 376	Clinical Exam and Diagnosis	LEC	75	10
		PRC	38	12
VLAC 462	Equine Medicine and Surgery	LEC	79	8
		PRC	40	27
VLAC 433	Equine Medicine Elective	LEC	13	11
VINT 580	Large Animal Medicine	CLN	1-4	160
VLAC 892	Advanced Clinical Practice 2	PRC	2	8
VLAC 898	Comparative mammalian endocrinology	PRC	1	16
VLAC 898	Advanced Equine Practice	PRC	2	2
VLAC 875	Advanced Large Animal Medicine	PRC	2	6

Overall average for teaching evaluations: **6.62/7** (VLAC 462), **6.82/7** (VSAC 376), **6.86/7** (VLAC 433).

YEAR	COURSE DESCRIPTION	INST. TYPE	ENRL.	YIH
<u>2016-2017</u>				
VBMS 220	Veterinary Anatomy	LEC	77	4
		PRC	77	10

VBMS 305	Veterinary Pain and Analgesia	LEC	79	1
VSAC 376	Clinical Exam and Diagnosis	LEC	79	9
		PRC	39	9
VLAC 462	Equine Medicine and Surgery	LEC	80	8
		PRC	40	25
VLAC 433	Equine Medicine Elective	LEC	13	12
VINT 580	Large Animal Medicine	CLN	2-6	342
VLAC 891	Advanced Clinical Practice 1	PRC	2	9

Overall average for teaching evaluations: **6.8/7** (VLAC 462), **6.54/7** (VSAC 376), **6.96/7** (VLAC 433).

YEAR	COURSE DESCRIPTION	INST. TYPE	ENRL.	YIH
<u>2015-2016</u>				
	VBMS 220 Veterinary Anatomy	LEC	81	4
		PRC	81	10
	VBMS 208 Biomedical Rounds	PRC	5	9
	VBMS 305 Veterinary Pain and Analgesia	LEC	78	1
	VSAC 376 Clinical Exam and Diagnosis	LEC	78	5
		PRC	39	17
	VLAC 462 Equine Medicine and Surgery	LEC	79	4
		PRC	40	19
	VLAC 433 Equine Medicine Elective	LEC	7	12
	VINT 439 Research Elective A		1	12
	VBMS 828.3 Advanced Gastrointestinal Physiology	LEC	6	2
	VINT 580 Large Animal Medicine	CLN	2-6	360

Overall average for teaching evaluations: **6.65/7** (VLAC 462), **6.85/7** (VSAC 376), **6.69/7** (VBMS 220), **6.88/7** (VLAC 433), **6.72/7** (VBMS 305).

YEAR	COURSE DESCRIPTION	INST. TYPE	ENRL.	YIH
<u>2014-2015</u>				
	VBMS 220 Veterinary Anatomy	LEC	80	4
		PRC	80	12
	VBMS 208 Biomedical Rounds	PRC	5	6
	VBMS 305 Veterinary Pain and Analgesia	LEC	80	1
	VSAC 376 Clinical Exam and Diagnosis	LEC	80	5
		PRC	40	15
	VLAC 462 Equine Medicine and Surgery	LEC	80	9
		PLC	40	26
	VLAC 433 Equine Medicine Elective	LEC	16	12
	VBMS 850.3 Lung Cell and Molecular Biology	LEC	4	3

VINT 580	Large Animal Medicine	CLN	2-6	495
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Overall average for teaching evaluations: **6.71/7** (VLAC 462), **6.73/7** (VSAC 376), **6.7/7** (VBMS 220), **6.83/7** (VLAC 433).

YEAR	COURSE DESCRIPTION	INST. TYPE	ENRL.	YIH
<u>2013-2014</u>				
VBMS 220	Veterinary Anatomy	LEC	79	5
		PRC	79	12
VBMS 208	Biomedical Rounds	LEC	5	6
VBMS 314.3	Comparative Anatomy of Domestic Animals	LEC	28	1
VBMS 305	Veterinary Pain and Analgesia	LEC	79	1
VSAC 376	Clinical Exam and Diagnosis	LEC	79	5
		PRC	40	6
VLAC 462	Equine Medicine and Surgery	LEC	83	4
		PRC	41	18
VLAC 433	Equine Medicine Elective	LEC	25	4
VLAC 874	Advanced Equine Medicine	LEC	3	6
VINT 580	Large Animal Medicine	CLN	2-6	315

Overall average for teaching evaluations: **6.4/7** (VLAC 462), **6.7/7** (VSAC 376), **6.5/7** (VBMS 220).

9.2 UNSCHEDULED INSTRUCTIONAL ACTIVITY

2025-2026

Equine respiratory rounds for 4th year veterinary students, equine internal medicine fourth year rotation, October 15, 2025

2024-2025

“Why our residents make us better”, lecture for large animal Morbidity & Mortality rounds, OSU CVM, January 17, 2025

Equine Respiratory, board exam prep for large animal internal medicine residents (ACVIM LAIM candidates), January 28, 2025

LAIM journal club presentation, OSU CVM, April 2, 2025

2022-2023

ME 898, Human-Centered creative design: medical devices, guest lecture in mechanical engineering graduate course on medical device regulatory approval and facility certification requirements (1 hour), April 6, 2023

2021-2022

Examiner for third year OSCEs, April 1, 2022

Examiner for first year OSCEs, April 14, 2022

2020-2021

Examiner for third year OSCEs, March 31 & April 1, 2021

2019-2020

Sabbatical leave

2018-2019

Instructor in two labs (equine ECG & rectal examination of the horse) and one lecture (cardiology case discussion), WCVM Equine Club, December 2018, February & March 2019

Examiner for third year OSCEs, April 1, 2019

2017-2018

Instructor in two labs (equine ECG & rectal examination of the horse), WCVM Equine Club, November 22, 2017 & March 21, 2018

2016-2017

Instructor in one lab (equine ECG), WCVM Equine Club, December 5, 2016

Examiner for first year OSCEs, April 28, 2017

2015-2016

Presentation at “Pitch Your Research” workshop to WCVM summer students, pitching research to funders and communicating with the public, June 14, 2016.

2014-2015

Organized and coordinated weekly large animal medicine journal club

Instructor in two labs (equine ECG & equine neonatology), WCVM Equine Club

One lecture (1 hour) and lab (2 hours) at the SCVMA (student chapter of the Canadian Veterinary Medical Association) Symposium, January 9, 2015

Physiology review for large animal medicine house officers, weekly meeting to review physiology in preparation for the ACVIM qualifying examination

2013-2014

Co-instructor in one lab (equine cardiology) for the WCVM Equine Club

Physiology review for large animal medicine house officers

9.3 COURSE AND PROGRAM DEVELOPMENT

2022-2023

BioE 898, Medical Devices – Quality Management Systems, Application of Risk Management and Usability Engineering, new graduate course

2021-2022

VLAC 462 course renewal (January to March 2022): renewal of course content and revision of learning outcomes, as part of year 3 WCVM curriculum review

2020-2021

VLAC 462 course coordinator (**new**), transition to Canvas learning management system (LMS) & remote delivery; VLAC 462 course evaluation score 4.68/5

2019-2020

Sabbatical leave

2018-2019

VLAC 898.3 Principles of Equine Sports Medicine and Rehabilitation, new graduate course, developed and coordinated

VINT 439, Third Year Research Elective, Alexandra Warren

2017-2018

VLAC 898.3 Comparative mammalian endocrinology with focus on metabolic syndrome and type II diabetes, new graduate course, developed and coordinated

2015-2016

VINT 439, Third Year Research Elective, Alison Williams

9.4 TEACHING MATERIALS

2024-2025

VME 7171 (3 hours, new); VMED 7333 (1 hour, revised); VMED 7583 (4 hours, new)

2023-2024

VLAC 461 (4 hours, new)

2022-2023

VLAC 461 (new course – revised VLAC 462, 4 hours, new; 8 hours, revised); VBMS 208 (1 hour, new); BioE 898, new graduate course (21 hours)

2021-2022

VINT 302 (new course, 12 hours); VINT 202 (4 hours, new); VSAC 320 (new course – revised content from VSAC 376, 5 hours); VLAC 875 (6 hours, new; 3 hours, revised); VLAC 891/992 (4 hours, new)

2020-2021

VLAC 462 (4 hours, new; 11 hours revised); VBMS 305 (1 hour revised); VSAC 376 (5 hours revised); VINT 202 (new course); VLAC 891 (6 hours, new)

2019-2020

Sabbatical leave

2018-2019

VLAC 898.3 Principles of Equine Sports Medicine and Rehabilitation (16 hours, new); VLAC 893 (2 hours, new); VSAC 376 (2 hours, new); VLAC 462 (2 hours, new & 3 hours, revised)

2017-2018

VLAC 898.3 Comparative mammalian endocrinology with focus on metabolic syndrome and type II diabetes (16 hours, new); VLAC 892 (3 hours, new); VLAC 898.3 Advanced Equine Practice (2 hours, revised); VLAC 875 (6 hours, new); VSAC 376 (1 hour, new)

2016-2017

Created 16 new lectures: VLAC 462 (4 new); VLAC 433 (4 new, 1 revised); VSAC 376 (4 new); VLAC 892 (4 new)

2015 – 2016

Created new lectures for VLAC 433 and VBMS 828.3

2014-2015

Created new lectures for VSAC 376, VLAC 462, VLAC 433

2013-2014

Created lectures for VBMS 305, VSAC 376, VLAC 462, VLAC 433, VLAC 874

9.5 OTHER TEACHING RELATED ACTIVITIES

2025-2026

Faculty development workshop attendance, From Passive to Active: Transforming Lectures into Engaging Learning, Office of Curriculum and Educational Support (OCES), OSU CVM, July 24, 2025

2024-2025

Participation in weekly Large Animal Medicine Journal Club and Large Animal Morbidity & Mortality Rounds, scheduled year-round.

Faculty development workshop attendance, From Content Overload to Focused Mastery: Using the Star System Effectively, Office of Curriculum and Educational Support (OCES), May 8, 2025

Faculty development workshop attendance, Providing Meaningful, Actionable Feedback, Office of Curriculum and Educational Support (OCES), November 7, 2024

Madison Ricard (WCVM Vet Pathology PhD candidate) PhD defence, USask, July 26, 2024

2016-2024

Facilitation of and participation in Large Animal Medicine Resident Rounds (case rounds) at USask: bi-weekly case discussions with large animal internal medicine

residents (part of VLAC 891/892/893), September to April (14-16 hours); case rounds coordinator 2020–2023.

2013-2023

Facilitation of and participation in Large Animal Medicine Journal Club at USask: weekly journal article discussion with interns and residents (part of VLAC 891/892/893), September to April (31-32 hours); journal club coordinator 2018-2019 and 2022-2023.

2023-2024

Amanda Zimmerling (BioE PhD candidate) PhD defence, USask, May 29, 2024
External examiner for MSc defense in College of Medicine, USask, January 2024
Madison Ricard (Vet Pathology PhD candidate) PhD comprehensive examination, November 27, 2023

Amanda Zimmerling (BioE PhD candidate) PhD comprehensive examination, August 17, 2023

Member, WCVM peer review of teaching working group

2021-2022

External examiner for MSc defence in College of Medicine, USask, July 2021

2020-2021

Training for remote teaching readiness and transition to the Canvas LMS:
Gwenna Moss Online Remote Teaching Boot Camp, all day, August 11-13, 2020
Canvas Training Courses (USask Canvas LMS Session):
July 6, 2020, How do I organize course content to optimize the learning experience? (1 hour)
July 7, 2020, How can I facilitate students working collaboratively in groups? (1.5 hours)
July 8, 2020, How can I use quizzes and surveys for feedback, practice, and grades? (1 hour)
July 9, 2020, How do I set up my syllabus? (1 hour)
July 15, 2020, How can I effectively use Panopto, WebEx, and other external tools? (1 hour)
July 23, 2020, Panopto training, Academic video service (1.5 hours)
July 28, 2020, Using WebEx for meetings (1 hour)
WCVM Education Rounds, July to September 2020 (10 hours)

2019-2020

Sabbatical leave

External examiner for MSc defense in College of Medicine, USask, April 2020
“Client” for ME495 Capstone project “Development of a Lung Biopsy Tool”, mechanical engineering 4th year student design project, September 2019 – March 2020 (together with C-C. Tyan, College of Medicine, D. Chen, College of Engineering). Project won the Capstone design competition.

2018-2019

External examiner for MSc defense in Mechanical Engineering, USask,
September 2018

2015-2019

Course coordinator, large animal internal medicine 4th year rotation

2015-2016

Veterinary Social Work Initiative Committee presentation to veterinary students
(with K. Linn and E. Wasson): To err is human... Coping with medical
errors, March 14, 2016

WCVM Vetavision, Pre-Vet Night speaker, October 3, 2015

10. SUPERVISION AND ADVISORY ACTIVITIES

10.1 UNDERGRADUATE STUDENT SUPERVISION

2021-2022

Lewis, Jazlynn, International undergraduate research student, 2022
Yang, Bonnie, Respiratory Research Centre summer research award, 2022
Avella Lavado, Ronaldo, International undergraduate research student, 2022

2020-2021

Lewis, Jazlynn, Mitacs Globalink Research Internship student, 2021

2017-2018

Steinke, Samantha, Undergraduate honors research student, “Equine
biomechanics in an Equine Assisted Rehabilitation Lift”, 2017 – 2018

2014-2023

Supervision of international undergraduate research students:
Kirk, Carolyne, University of Surrey, September 2022 – April 2023
Castledine, Holly, University of Surrey, September 2022 – April 2023
Dudko, Karie, University of Surrey, September 2017 - April 2018
Hayes, Harry, University of Surrey, September 2016 - April 2017
Belgrave, Louisa, University of Surrey, September 2015 – April 2016
Dos Santos, Scott, University of Surrey, August 2014 – April 2015

2013-2021

Supervision of WCVM veterinary undergraduate summer research students:
Beler, Kody, May – August 2021
Thiessen, Paul, May – August 2018
Loewen, Brandon, May – August 2018
Sereda, Nicole, May – August 2017
Klein, Colby, May – August 2016
Williams, Alison, May – August 2015

Steedman, Jordan, May – August 2014
 Rogers, Lindsay, May-August 2013

10.2 HOUSE OFFICER AND GRADUATE STUDENT SUPERVISION

Interns:

Type	Name	Degree	Dept	Internship type	Time Frame
Supervised	C. Malin	internship	LACS	internal medicine	2013-2014
Supervised	F. Wills	internship	LACS	internal medicine	2014-2015
Supervised	C. Ariza	internship	LACS	internal medicine	2018-2019
Supervised	P. Viviani	internship	LACS	rotating	2020-2021

Graduate students & ACVIM residents (clinical trainees), where indicated:

Type	Name	Degree	Dept	Thesis Subject Area	Time Frame
Supervised	M. Husulak	M.V.Sc. (project)	LACS	Equine asthma	07/2013- 06/2016
Supervised	V. Ragno	M.Sc. (project) <u>and</u> Residency	LACS	Equine endocrine	07/2016- 06/2019
Co-supervised	S. Steinke	M.Sc. (thesis)	BioE	Equine rehabilitation	09/2018- 01/2021
Supervised	P. Viviani	M.Sc. (project) <u>and</u> Residency	LACS	Equine endocrine	07/2021- 06/2024
Supervised	N. Van Der Vossen [#]	M.Sc. (project) <u>and</u> Residency	LACS	Equine cardiology	04/2022 – 08/2023
Co-supervised	R. Avella Lavado	M.Sc. (thesis)	LACS	Lung health	01/2023 – 12/2024

[#]Took over supervision of Dr. N. Van Der Vossen after previous supervisor resigned.

10.3 GRADUATE THESES SUPERVISED

Avella Lavado, Ronaldo, M.Sc., Co-supervisor, “Development and testing of a flexible plastic hydrogen ion-selective electrode for in vivo pH measurements of airway surface liquid”. December 2024

Steinke, Samantha L., M.Sc., Co-supervisor, “Biomechanics in equine rehabilitation: a weight-reduction system and movement tracking device”. January 2021

10.4 OTHER ADVISORY ACTIVITIES

2022-2024

Ph.D. advisory committee, M. Ricard, WCVM Veterinary Pathology, equine abortions/neonatal disease

2021-2024

Ph.D. advisory committee, A. Zimmerling, BioE, lung tissue engineering

2023-2024

Chair, Ph.D. defence, Juan Parra Aguirre, LACS, November 27, 2023
Faculty advisor for 9 WCVM undergraduate students

2022-2023

Chair, Ph.D. defence, Jordan Woodsworth, LACS, April 25, 2023
Faculty advisor for 8 WCVM undergraduate students

2020-2022

M.Sc. (project) advisory committee, N. Van der Vossen, LACS, equine cardiology

2021-2022

Faculty advisor for 8 WCVM undergraduate students

2020-2021

Faculty advisor for 8 WCVM undergraduate students

2014-2019

M.Sc. (thesis) advisory committee, S. Maltare, VBMS, lung inflammation

2018-2019

Faculty advisor for 11 WCVM undergraduate students

2017-2018

Faculty advisor for 11 WCVM undergraduate students

2016-2017

Faculty advisor for 10 WCVM undergraduate students

2015-2016

Faculty advisor for 7 WCVM undergraduate students

2014-2015

Faculty advisor for 4 WCVM undergraduate students

2013-2014

Faculty advisor for 2 WCVM undergraduate students

11. BOOKS AND CHAPTERS IN BOOKS

11.1 AUTHORED BOOKS

Montgomery, J.B. (2010). *The Effects of Organic and Inorganic Dietary Selenium on Selenium Status and Immune Function of Horses*. Ph.D. Thesis. Charlottetown: University of Prince Edward Island, 220 pp.

11.2 EDITED BOOKS

1. E. Côté, J.E. Montgomery, **J.B. Montgomery**, eds., 2012. Veterinary Board Exam Review Flash Cards, Volume 3, Charlottetown, PE: Veterinary Board Games.
2. E. Côté, J.E. Montgomery, **J.B. Montgomery**, eds., 2011. Veterinary Board Games: The Board, Charlottetown, PE: Veterinary Board Games.
3. E. Côté, J.E. Montgomery, **J.B. Montgomery**, eds., 2010. Veterinary Board Exam Review Flash Cards, Volume 2, Charlottetown, PE: Veterinary Board Games.
4. E. Côté, J.E. Montgomery, **J.B. Montgomery**, eds., 2008. Veterinary Board Exam Review Flash Cards, Volume 1, Charlottetown, PE: Veterinary Board Games, Revised, second printing, 2010

11.3 CHAPTERS IN BOOKS

1. M.D. Meachem and **J.B. Montgomery**, 2020. Respiratory cytology of the horse. In L.C Sharkey, M.J. Radin, D. Seelig (eds.), *Veterinary Cytology*. John Wiley & Sons, Inc., Hoboken, NJ, USA.
DOI:10.1002/9781119380559.ch26
2. A. Ceballos, J. Sanchez, **J.B. Montgomery**, H.W. Barkema, J.J. Wichtel, 2008. Meta-analysis on the effect of oral selenium supplementation in cattle

on milk selenium concentration. In LAM, T.G.M. (ed.), Mastitis control: From science to practice, 125-134. Wageningen, The Netherlands: Wageningen Academic Publishers.

12. PAPERS IN REFEREED JOURNALS

Trainees supervised by myself are marked with and asterisk*; the first author is traditionally the primary author and the last author is in most cases the senior author.

1. P. Viviani*, V.M. Ragno, S. Parker, **J.B. Montgomery**, 2025. Assessment of baseline adrenocorticotrophic hormone and insulin concentrations in healthy horses in Saskatchewan over a one-year period. Accepted for publication in Journal of Veterinary Internal Medicine on November 26, 2025 (JVIM-25-140.R3).
2. M.O. Furr, **J. Montgomery**, T. Rizzi, B. Raczkoski, 2025. Department heads at colleges of veterinary medicine in North America report widespread satisfaction with their role. Accepted for publication in American Journal of Veterinary Research, on November 20, 2025 (AJVR-25-10-0369.R1).
3. P. Viviani*, R. Avella Lavado*, N.H. Chavarria, V. M. Ragno, **J.B. Montgomery**, 2024. Spring and fall blood concentrations of adrenocorticotrophic hormone, insulin, and thyroxine in healthy horses in Saskatchewan. Canadian Veterinary Journal, 65: 335-342.
4. R. Avella Lavado*, J. Lewis*, **J.B. Montgomery**, 2023. Continuous digital hypothermia for prevention and treatment of equine acute laminitis: A practical review. The Veterinary Journal, 300-302: 106016.
<https://doi.org/10.1016/j.tvjl.2023.106016>
5. **J.B. Montgomery**, M. Klein, J.R. Boire, C. Beck, D. Hausermann, A. Maksimenko, C. Hall, 2021. Synchrotron CT of an equine digit at the Australian Synchrotron Imaging and Medical Beamline. Journal of Synchrotron Radiation, 28: 1769-1777; DOI: 10.1107/S1600577521010493.
<https://scripts.iucr.org/cgi-bin/paper?S1600577521010493>
6. V.M. Ragno*, C.D. Klein*, N.S. Sereda*, F.D. Uehlinger, G.A. Zello, K.A. Robinson, **J.B. Montgomery**, 2021. Morphometric, metabolic, and inflammatory markers across a cohort of client-owned horses and ponies on the insulin dysregulation spectrum. Journal of Equine Veterinary Science, 105: 103715; DOI: 10.1016/j.jevs.2021.103715.
7. S.L. Steinke*, **J.B. Montgomery**, J.M. Barden, 2021. Accelerometry-based step count validation for horse movement analysis during stall confinement.

8. S.L. Steinke*, J.L. Carmalt, **J.B. Montgomery**, 2021. Weight reduction and possible implications for the rehabilitation of horses with ambulatory difficulties. Equine Veterinary Education, 33: 152-158; DOI: 10.1111/eve.13210.
9. R.J.J. Chapuis*, V.M. Ragno*, C.A. Ariza*, A.R. Movasseghi, S. Sayi, F.D. Uehlinger, **J.B. Montgomery**, 2020. Septic fibrinous pericarditis in four horses in Saskatchewan following an outbreak of forest tent caterpillars in 2017. Canadian Veterinary Journal, 61: 724-730; PMID: 32655155.
10. **J.B. Montgomery**, 2019. Beyond steroids and bronchodilators – investigating additional therapies for horses with severe equine asthma. Vet Record, 185: 140-142; DOI: 10.1136/vr.l4935.
11. S.L. Steinke*, L.J. Belgrave*, **J.B. Montgomery**, 2019. Development of a novel harness system to aid in rehabilitation of horses. Comparative Exercise Physiology, 15: 385-391; DOI: 10.3920/cep180062.
12. **J.B. Montgomery**, S.L. Steinke*, A.C. Williams*, L.J. Belgrave*, 2019. Initial testing of a computer-integrated weight compensation system for rehabilitation of horses. Comparative Exercise Physiology, 15: 379-384; DOI: 10.3920/cep180060.
13. V.M. Ragno*, F.D. Uehlinger, K. Gabadage, A.R. Movasseghi, **J.B. Montgomery**, 2019. Investigation of a *Yersinia enterocolitica* outbreak in a commercial alpaca farm in Saskatchewan. Canadian Veterinary Journal, 60: 877-882; PMID: 31391607.
14. V.M. Ragno*, G.A. Zello, C.D. Klein*, **J.B. Montgomery**, 2019. From table to stable: a comparative review of selected aspects of human and equine metabolic syndrome. Journal of Equine Veterinary Science, 79: 131-138; DOI: 10.1016/j.jevs.2019.06.003.
15. **J.B. Montgomery**, M.L. Husulak*, H. Kosolofski, S. Dos Santos*, H. Burgess, M.D. Meachem, 2018. Tumor necrosis factor-alpha protein concentrations in bronchoalveolar lavage fluid from healthy horses and horses with severe equine asthma. Veterinary Immunology Immunopathology, 202: 70-73.
16. M.L. Husulak*, S.T. Manning, M.D. Meachem, H.J. Burgess, T.Y. Epp, **J.B. Montgomery**, 2018. Does antimicrobial therapy improve outcomes in horses with severe equine asthma and a positive tracheal wash bacterial culture? Canadian Journal of Veterinary Research, 82: 184 - 191.

17. **J.B. Montgomery**, J.L. Bracamonte, M.W. Alam, A.H. Khan, S.K. Mohammad, K.A. Wahid, 2017. Is there an application for wireless capsule endoscopy in horses? Canadian Veterinary Journal, 58: 1321-1325.
18. M. C. Duran*, G. Starrak, R. Dickinson, **J.B. Montgomery**, 2016. Peritoneal fluid immunocytochemistry used for the diagnosis of a possible case of equine gastrointestinal B-Cell lymphoma. Canadian Veterinary Journal, 57: 601-604.
19. L.E. Johnson, **J.B. Montgomery**, J.P. Schneider, H. Townsend, M. Ochs, B. Singh, 2014. Morphometric examination of the equine adult and foal lung. Anatomical Record, 297: 1950-1962.
20. **J.B. Montgomery**, B. Hamblin, S.S. Suri, L.E. Johnson, D. New, J. Kelly, D.G. Wilson, B. Singh, 2014. Remote lung injury after experimental intestinal ischemia-reperfusion in horses. Histology and Histopathology, 29: 361-75.
21. **J.B. Montgomery**, J. J. Wichtel, M. G. Wichtel, M.A. McNiven, J T. McClure, F. Markham, D.W. Horohov, 2012. Effects of Selenium Source on Measures of Selenium Status and Immune Function in Horses. Canadian Journal of Veterinary Research, 76: 281-291.
22. **J.B. Montgomery**, J.J. Wichtel, M.G. Wichtel, M.A. McNiven, JT. McClure, F. Markham, D.W. Horohov, 2012. The Effects of Selenium Source on Measures of Selenium Status of Mares and Selenium Status and Immune Function of their Foals. Journal of Equine Veterinary Science, 32: 352-359.
23. **J.B. Montgomery**, J.J. Wichtel, M.G. Wichtel, M.A. McNiven, JT. McClure, 2011. The efficacy of selenium treatment of forage for the correction of selenium deficiency in horses. Animal Feed Science and Technology, 170: 63-71.
24. **J.B. Montgomery**, W.M. Duckett, A.C. Bourque, 2009. Pelvic lymphoma as a cause of urethral compression in a mare. Canadian Veterinary Journal, 50: 751-754.
25. A. Ceballos, J. Sanchez, H. Stryhn, **J.B. Montgomery**, H.W. Barkema, J.J. Wichtel, 2009. Meta-analysis of the effect of oral selenium supplementation on milk selenium concentration in cattle. Journal of Dairy Science, 92:324-342.
26. **J.B. Krause** and H.C. McKenzie III, 2007. Parenteral nutrition in foals: a retrospective study of 45 cases (2000-2004). Equine Veterinary Journal, 39: 74-78.

13. REFEREED CONFERENCE PUBLICATIONS

1. J.R. Boire and **J.B. Montgomery**, 2021. A Made-in-Saskatchewan ventilator designed and built to support Canada's COVID 19 pandemic response. Canadian Medical and Biological Engineering Society (CMBEC) 44 Proceedings, p. 36-37.
2. J.R. Boire, B. Roberts, T. Calow, M. Johnston, **J.B. Montgomery**, 2021. Flow meter, PEEP valve development and performance testing for use in a volume-controlled emergency use ventilator (EUV-SK1). Canadian Medical and Biological Engineering Society (CMBEC) 44 Proceedings, 4 pp. Published online as a proceedings paper:
<https://proceedings.cmbes.ca/index.php/proceedings/article/view/929/901>
3. **J.B. Montgomery**, S.L. Steinke*, A.C. Williams*, L.J Belgrave*, 2018. Initial testing of a computer-integrated weight compensation system for rehabilitation of horses. Comparative Exercise Physiology, 14: S95.
4. S.L. Steinke*, L.J. Belgrave*, **J.B. Montgomery**, 2018. Development of a novel harness system to aid in rehabilitation of horses. Comparative Exercise Physiology, 14: S100.
5. V.M. Ragno*, N.S. Sereda*, E. Dudko*, D.L. Michel, G.A. Zello, K.A. Robinson, F.D. Uehlinger, **J.B. Montgomery**, 2018. A comparison of the stability of equine blood d-lactate in sodium fluoride and serum tubes. Journal of Veterinary Internal Medicine, 32: 2187.
6. V.M. Ragno*, F.D. Uehlinger, K.A. Robinson, G.A. Zello, **J.B. Montgomery**, 2018. Investigation of novel biomarkers for early detection of equine metabolic syndrome. Journal of Veterinary Internal Medicine, 32: 2182.
7. **J.B. Montgomery**, K. Lohmann, B. Chaban, L. Johnson, S. Dos Santos*, J. Steedman*, J. Hill, 2015. Initial characterization of the tracheal microbiomes in healthy horses and horses with heaves. Journal of Veterinary Internal Medicine, 29: 1280.
8. **J.B. Montgomery**, M. Wichtel, J. Wichtel, M. McNiven, F. Markham, J. Sheppard, J McClure, 2008. Effect of selenium source on selenium status and immune function in horses. Journal of Veterinary Internal Medicine, 22: 820.

14. PRESENTATIONS

14.1 INVITED PRESENTATIONS

1. J. Boire and **J.B. Montgomery**, 2025. All creatures great and small meets the Saskatchewan skunk works. Texas A&M College of Veterinary Medicine, October 3, College Station, TX, USA (60 minute presentation)
2. **J.B. Montgomery**, 2025. Equine endocrine diseases, The Webinar Vet (United Kingdom), August, virtual (60 minute presentation, pre-recorded)
3. **J.B. Montgomery**, 2025. Lower respiratory disease, Oklahoma Veterinary Conference, January 25, Tulsa, OK, USA (50 minute presentation)
<https://okvma.org/oklahoma-veterinary-conference/schedule/day-3/>
4. **J.B. Montgomery**, 2024. Equine gastric ulcer syndrome, Horse Council of British Columbia March Madness Education Series, March 11, virtual (60 minute presentation)
5. **J.B. Montgomery**, 2024. Equine Respiratory Diseases, The Webinar Vet (United Kingdom), February, virtual (60 minute presentation, pre-recorded)
6. **J.B. Montgomery**, 2023. Equine gastric ulcer syndrome, by invitation of Steeples Veterinary Clinic, October 11, Cranbrook, BC, Canada (60 minute presentation and case discussion)
7. **J.B. Montgomery**, 2023. Prime your horse for spring: horse health tips and myths. Saskatchewan Horse Federation (SHF), March 18, Saskatoon, SK, Canada (60 minute presentation)
8. **J.B. Montgomery**, 2023. Equine gastric ulcer syndrome, by invitation of Boehringer Ingelheim and Lloydminster Animal Hospital, February 14, Lloydminster, AB, Canada (60 minute presentation)
9. **J.B. Montgomery**, 2023. Equine asthma syndrome, by invitation of Boehringer Ingelheim and Lloydminster Animal Hospital, February 14, Lloydminster, AB, Canada (60 minute presentation)
10. **J.B. Montgomery** and J. Boire, 2022. Biomedical engineering & the laminitis challenge, University of Pennsylvania New Bolton Center, December 16, Kennett Square, PA, USA (60 minute presentation)
11. **J.B. Montgomery**, 2022. Industry panel member, 23rd Annual Alberta Biomedical Engineering (AB BME) Conference, October 22, Banff, AB, Canada (60 minute panel discussion, one of four invited panel members)
12. **J.B. Montgomery**, 2022. Tracheal wash and bronchoalveolar lavage, SVMA CE approved lab as part of the 40th Veterinary Comparative Respiratory Society (VCRS) Symposium, October 2, Saskatoon, SK, Canada (120 minutes, combined presentation and lab)

13. **J.B. Montgomery**, 2022. Equine asthma syndrome, by invitation of Boehringer Ingelheim, September 6, Elm Creek, MB, Canada (45 minute presentation)
14. **J.B. Montgomery**, 2022. Equine gastric ulcer syndrome, by invitation of Boehringer Ingelheim, September 6, Elm Creek, MB, Canada (45 minute presentation)
15. **J.B. Montgomery** and V.M. Ragno, 2022. How to avoid the equine industry's "triple threat": preventing the spread of EHV, strangles and influenza, Horse Council of British Columbia March Madness Education Series, March 21, virtual (90 minute presentation)
16. **J.B. Montgomery**, 2021. A heavy burden – obesity and associated health risks in horses, Horse Council of British Columbia March Madness Education Series, March 15, virtual (90 minute presentation)
17. **J.B. Montgomery**, 2021. Equine metabolic syndrome, Saskatoon Co-op Agro seminar, February 24, virtual (60 minute presentation)
18. **J.B. Montgomery**, 2020. Equine asthma, CanWest Veterinary Conference, October 18, virtual delivery/originally Banff, AB, Canada (90 minute presentation)
19. **J.B. Montgomery**, 2020. EHV – the difference is in the number, CanWest Veterinary Conference, October 18, virtual delivery/originally Banff, AB, Canada (90 minute presentation)
20. **J.B. Montgomery**, 2020. Diagnostic dilemma of poor performance, CanWest Veterinary Conference, October 18, virtual delivery/originally Banff, AB, Canada (90 minute presentation)
21. **J.B. Montgomery**, 2020. "Hot off the press" – a review of the recent equine respiratory literature, CanWest Veterinary Conference, October 18, virtual delivery/originally Banff, AB, Canada (90 minute presentation)
22. **J.B. Montgomery**, 2020. In pursuit of the perfect PEEP – from design to Health Canada submission of an Emergency Use Ventilator, made in Saskatchewan, University of Saskatchewan Respiratory Research Centre seminar series, September 29, Saskatoon, SK, Canada (60 minute presentation)
23. **J.B. Montgomery**, 2019. Select teaching practices & education projects at the Western College of Veterinary Medicine, Collaborative Research and Education Initiative, Canadian Studies Center, Michigan State University,

March 25, East Lansing, MI, USA (10 minute presentation & member of panel on education projects/teaching interests)

24. **J.B. Montgomery**, 2018. The air we breathe: asthma, not just a human health concern, University of Saskatchewan Respiratory Research Centre seminar series, December 4, Saskatoon, SK, Canada (60 minute presentation)
25. **J.B. Montgomery**, 2018. A heavy burden – obesity and associated health risks in horses, Horse Council of British Columbia Traveling Road Show, September 9, Kelowna, BC, Canada (60 minute presentation)
26. **J.B. Montgomery**, 2018. Tying up loose ends in tied-up horses, Saskatchewan Veterinary Medical Association (SVMA) Conference, September 8, Saskatoon, SK, Canada (60 minute presentation)
27. **J.B. Montgomery**, 2017. “My Kingdom for a Horse” – for the benefit of equine health and beyond, University of Saskatchewan Respiratory Research Centre Launch, October 16, Saskatoon, SK, Canada (15 minute presentation)
28. **J.B. Montgomery**, 2015. Lung inflammation in horses with oligofructose-induced laminitis, 2015 WCVM Equine Health Research Symposium, October 31, Saskatoon, SK, Canada (30 minute presentation)
29. **J.B. Montgomery**, 2014. The Equine Athlete: Nutrition & Performance Health, Saskatchewan Horse Federation (SHF), November 15, Regina, SK, Canada (3.5 hour presentation)
30. **J.B. Montgomery**, 2014. Equines & bovines: Abdominal issues, Saskatchewan Veterinary Medical Association (SVMA) Conference, September 13, Saskatoon, SK, Canada (60 minute presentation)
31. **J.B. Montgomery**, 2014. Equines & bovines: Neurology, Saskatchewan Veterinary Medical Association (SVMA) Conference, September 13, Saskatoon, SK, Canada (60 minute presentation)
32. **J.B. Montgomery**, 2009. Diagnostics and Therapeutics for Gastrointestinal Disease in Adult Horses. North Carolina Veterinary Conference, November, Raleigh, North Carolina, USA (60 minute presentation)

14.2 CONTRIBUTED PRESENTATIONS

1. P. Viviani*, H. Castledine*, V. Ragno, M. Meachem, **J.B. Montgomery**, 2023. Determining seasonality of baseline plasma ACTH and serum insulin in healthy horses in Saskatchewan. Large Animal Clinical Sciences (LACS) VLAC 990 Graduate Student Seminar Conference, December. Oral presentation by P. Viviani*.

2. R. Avella Lavado*, X. Luan, J. Boire, J. Tam, C-C. Tyan, **J.B. Montgomery**, J. Ianowski, 2023. Assessment of pulmonary pH fluctuations in an ex vivo porcine lung model through bronchoscopy using a flexible, plastic H⁺-selective microelectrode. LACS VLAC 990 Graduate Student Seminar Conference, December. Oral presentation by R. Avella Lavado*.
3. P. Viviani*, N.H. Chavarria, V. Ragni, M. Meachem, **J.B. Montgomery**, 2023. Seasonal fluctuations in baseline adrenocorticotropic hormone and insulin levels in healthy horses in Saskatchewan. American College of Veterinary Internal Medicine (ACVIM) Forum, June, Philadelphia, PA, USA. Oral presentation by P. Viviani*.
4. B.Y. Yang*, C-C. Tyan, J.R. Boire, **J.B. Montgomery**, 2023. Validation of flow measurement in a negative pressure ventilator for prototyping of a novel transbronchial biopsy tool. University of Saskatchewan Respiratory Research Centre seminar series, April. Oral presentation by B.Y. Yang*.
5. B. Dallap Schaer, K. Dodd, D. Hague, C. Martin, **J. Montgomery**, P. Pesavento, T. Rizzi, 2023. Exploring shared resources to mitigate the recruitment-retention crisis in academia. American Association of Veterinary Medical Colleges (AAVMC) Capstone Project presentation, AAVMC Leadership Academy, Washington DC, USA, March. Oral presentation by all authors.
6. P. Viviani*, N.H. Chavarria, V. Ragni, M. Meachem, **J.B. Montgomery**, 2022. Determining seasonality of plasma ACTH and serum insulin in healthy horses residing in Saskatchewan. LACS VLAC 990 Graduate Student Seminar Conference, December. Oral presentation by P. Viviani*.
7. N. Van Der Vossen*, **J.B. Montgomery**, T. Afonso, 2022. Urinary aldosterone-creatinine ration: a method to monitor ACE-inhibition in horses? LACS VLAC 990 Graduate Student Seminar Conference, December. Oral presentation by N. Van Der Vossen*.
8. P. Viviani*, N.H. Chavarria, **J.B. Montgomery**, 2022. Determining seasonality of baseline plasma ACTH and serum insulin in healthy horses residing in Saskatchewan. University of Saskatchewan (USask) 2022 Life and Health Sciences Research Expo, May 5. Oral (virtual) presentation by P. Viviani*.
9. P. Viviani*, N.H. Chavarria, **J.B. Montgomery**, 2022. Determining seasonality of plasma ACTH and serum insulin in healthy horses residing in Saskatchewan. Large Animal Clinical Sciences (LACS) VLAC 990 Graduate Student Seminar Conference, April. Oral (virtual) presentation by P. Viviani*.

10. K.D. Beler*, C-C. Tyan, J.R. Boire, A.L. Allen, **J.B. Montgomery**, 2021. Multidisciplinary development of a novel transbronchial biopsy tool aimed at safely and effectively diagnosing interstitial lung disease. 39th Veterinary Comparative Respiratory Society (VCRS) Symposium, October 31, virtual international conference hosted out of Copenhagen, Denmark. Oral (virtual) presentation by K. Beler*.
11. J.R. Boire and **J.B. Montgomery**, 2021. A Made-in-Saskatchewan ventilator designed and built to support Canada's COVID 19 pandemic response. 44th Conference of the Canadian Medical and Biological Engineering Society (CMBEC), May. Oral (virtual) presentation by J.B. Montgomery.
12. J.R. Boire, B. Roberts, T. Calow, M. Johnston, **J.B. Montgomery**, 2021. Flow meter, PEEP valve development and performance testing for use in a volume-controlled emergency use ventilator (EUV-SK1). 44th Conference of the Canadian Medical and Biological Engineering Society (CMBEC), May. Oral (virtual) paper presentation by J.R. Boire.
13. S.L. Steinke* and **J.B. Montgomery**, 2020. Accelerometry-based step count validation for horse movement analysis and stall rehabilitation monitoring. Biomedical Engineering (BioE) 990 Graduate Student Seminar Conference, June. Oral (virtual) presentation by S. Steinke*.
14. S.L. Steinke*, J.M. Barden, **J.B. Montgomery**, 2019. Validation of an Apple Watch for horse movement analysis and stall rehabilitation monitoring. USask School of Rehabilitation Science Research Conference, September, Saskatoon, SK. Oral presentation by S. Steinke*.
15. C. Ariza*, V.M. Ragni*, **J.B. Montgomery**, 2019. Donkey dilemma – a brainstorming exercise. ACVIM Forum Equine Endocrinology Special Interest Group, June, Phoenix, AZ, USA. Oral presentation by J.B. Montgomery.
16. C. Ariza* and **J.B. Montgomery**, 2019. Hypothermia syndrome in donkeys: a series of cases. LACS VLAC 990 Graduate Student Seminar Conference, April, Saskatoon, SK. Oral presentation by C. Ariza*.
17. S.L. Steinke* and **J.B. Montgomery**, 2019. Movement analysis during testing of a rehabilitation harness. LACS VLAC 990 Graduate Student Seminar Conference, April, Saskatoon, SK. Oral presentation by S. Steinke*.
18. S.L. Steinke* and **J.B. Montgomery**, 2019. Movement analysis during testing of a rehabilitation harness. BioE 990 Graduate Student Seminar Conference, April, Saskatoon, SK. Oral presentation by S. Steinke*.

19. S.L. Steinke* and **J.B. Montgomery**, 2019. Testing of a rehabilitation harness and breastplate to aid in healing from musculoskeletal injuries in horses. USask Graduate Student Research Conference, February, Saskatoon, SK. Oral presentation by S. Steinke*.
20. V.M. Ragno*, N.S. Sereda*, E. Dudko*, D.L. Michel, G.A. Zello, K.A. Robinson, F.D. Uehlinger, **J.B. Montgomery**, 2018. Blood collection tube and duration of storage affects equine blood D-lactate concentration. LACS VLAC 990 Graduate Student Seminar Conference, December, Saskatoon, SK. Oral presentation by V. Ragno*.
21. **J.B. Montgomery**, S.L. Steinke*, A.C. Williams*, L.J Belgrave*, 2018. Initial testing of a computer-integrated weight compensation system for rehabilitation of horses. International Conference on Equine Exercise Physiology (ICEEP), November, Lorne, Australia. Oral presentation by J.B. Montgomery.
22. M.J. Barret, V. Hinz, **J.B. Montgomery**, 2018. More-than-human methodologies and the ontological turn: Engaging with intuitive interspecies communication as multi-species method. International Geographical Union Regional Conference, August, Quebec City, QC, Canada. Oral paper presentation by M.J. Barret.
23. V.M. Ragno*, N.S. Sereda*, E. Dudko*, D.L. Michel, G.A. Zello, K.A. Robinson, F.D. Uehlinger, **J.B. Montgomery**, 2018. A comparison of the stability of equine blood d-lactate in sodium fluoride and serum tubes. ACVIM Forum, June, Seattle, WA, USA. Oral presentation by V. Ragno*.
24. V.M. Ragno*, F.D. Uehlinger, K.A. Robinson, G.A. Zello, **J.B. Montgomery**, 2018. Investigation of novel biomarkers for early detection of equine metabolic syndrome. ACVIM Forum, June, Seattle, WA, USA. Oral presentation by V. Ragno*.
25. V.M. Ragno*, F.D. Uehlinger, K.A. Robinson, G.A. Zello, **J.B. Montgomery**, 2017. Investigation of novel biomarkers for early detection of Equine Metabolic Syndrome: preliminary data. LACS VLAC 990 Graduate Student Seminar Conference, December. Oral presentation by V. Ragno*.
26. V.M. Ragno*, F.D. Uehlinger, K.A. Robinson, H. Hayes*, G.A. Zello, **J.B. Montgomery**, 2017. Investigation of novel biomarkers for early detection of Equine Metabolic Syndrome. LACS VLAC 990 Graduate Student Seminar Conference, April. Oral presentation by V. Ragno*.
27. S. J. Dos Santos*, **J.B. Montgomery**, K.L. Lohmann, L.A. Johnson, B.L. Chaban, J.I. Steedman*, J.E. Hill, 2015. Microbial culture is of limited use in assessing the microbial profiles of healthy horses and horses suffering from

recurrent airway obstruction. 33rd Veterinary Comparative Respiratory Society (VCRS) Symposium, October, Edinburgh, United Kingdom. Oral presentation by S. Dos Santos*.

28. **J.B. Montgomery**, K. Lohmann, B. Chaban, L. Johnson, S. Dos Santos*, J. Steedman*, J. Hill, 2015. Initial characterization of the tracheal microbiomes in healthy horses and horses with heaves. ACVIM Forum, June, Indianapolis, IN, USA. Oral presentation by J.B. Montgomery.
29. M.L. Husulak*, S.T. Manning, S.J. Dos Santos*, **J.B. Montgomery**, 2015. Tumor necrosis factor-alpha in bronchoalveolar lavage fluid in horses with recurrent airway obstruction. LACS VLAC 990 Graduate Student Seminar Conference, February. Oral presentation by M. Husulak*.
30. **J.B. Montgomery**, S. Singh Suri, L.E. Johnson, D.G. Wilson, B. Singh, 2013. Remote lung injury after experimental intestinal ischemia reperfusion in horses. Experimental Biology, April, Boston, MA, USA. Oral presentation by J.B. Montgomery.
31. **J.B. Montgomery**, B. Hamblin, S. Singh Suri, L.E. Johnson, J. Kelly, D.G. Wilson, B. Singh, 2012. Remote lung injury after experimental intestinal ischemia reperfusion in horses. 30th VCRS Symposium, October, Columbia, MO, USA. Oral presentation by J.B. Montgomery.
32. **J.B. Montgomery**, J.J. Wichtel, M.G. Wichtel, M.A. McNiven, JT. McClure, F. Markham, D. W. Horohov, 2009. The effects of selenium source on measures of selenium status of mares and selenium status and immune function of their foals. Conference of Research Workers in Animal diseases (CRAWD) 90th Annual Meeting, December, Chicago, IL, USA. Oral presentation by J.B. Montgomery.
33. A. Ceballos, J. Sanchez, H. Stryhn, **J.B. Montgomery**, H.W. Barkema, J.J. Wichtel, 2008. A meta-analysis of the effect of oral selenium supplementation in cattle on milk selenium concentration. Canadian Association of Veterinary Epidemiology and Preventive Medicine (CAVEPM) Meeting, June, Charlottetown, PEI, Canada. Oral presentation by A. Ceballos.
34. A. Ceballos J. Sanchez, **J.B. Montgomery**, H.W. Barkema, J.J. Wichtel, 2008. Meta-analysis on the effect of oral selenium supplementation in cattle on milk selenium concentration. Mastitis control, The Hague, The Netherlands. Oral presentation by A. Ceballos.
35. A. Ceballos, J. Sanchez, **J.B. Krause**, F. Wittwer, H.W. Barkema, J.J. Wichtel, 2007. Effect of oral selenium supplementation in cattle on milk selenium concentration: Meta-analysis. XXXII Annual meeting of the Chilean

Society of Animal Production, November, Frutillar, Chile. Oral presentation by A. Ceballos.

14.3 POSTER PRESENTATIONS

1. R. Avella Lavado*, X. Luan, J. Boire, J. Tam, C-C. Tyan, **J.B. Montgomery**, J. Ianowski, 2024. Assessment of pulmonary pH fluctuations in an ex vivo porcine lung model through bronchoscopy using a flexible, plastic H⁺-selective microelectrode. WCVM Graduate Research Days, April. Presentation by R. Avella Lavado*.
2. R. Avella Lavado*, J. Lewis*, **J.B. Montgomery**, 2023. Comparison between different methods of continuous digital hypothermia in horses: a review. WCVM Graduate Research Days, March. Presentation by R. Avella Lavado*.
3. H. Castledine*, P. Viviani*, R. Avella Lavado*, **J.B. Montgomery**, 2023. Study of monthly variation in adrenocorticotropic hormone and insulin in healthy horses in Saskatchewan. WCVM Graduate Research Days, March. Presentation by H. Castledine*.
4. B.Y. Yang*, C-C. Tyan, J.R. Boire, **J.B. Montgomery**, 2022. Validation of flow measurement in a negative pressure ventilator for prototyping of a novel transbronchial biopsy tool. 40th Veterinary Comparative Respiratory Society (VCRS) Symposium, October, Saskatoon, SK, Canada. Presentation by B. Yang*.
5. B.Y. Yang*, C-C. Tyan, J.R. Boire, **J.B. Montgomery**, 2022. Validation of flow measurement in a negative pressure ventilator for prototyping of a novel transbronchial biopsy tool. University of Saskatchewan Student Undergraduate Research Experience (SURE) Symposium, August and USask Undergraduate Research Showcase, October. Presentations by B. Yang*.
6. R. Avella Lavado*, J. Lewis*, **J.B. Montgomery**, 2022. Continuous digital hypothermia for prevention and treatment of equine acute laminitis: a review. WCVM Graduate Research Days, March. Presentation by R. Avella Lavado*.
7. K.D. Beler*, C-C. Tyan, J.R. Boire, A.L. Allen, **J.B. Montgomery**, 2021. Multidisciplinary development of a novel transbronchial biopsy tool aimed at safely and effectively diagnosing interstitial lung disease. WCVM Undergraduate Research Days, September. Presentation by K.D. Beler*.
8. S.L. Steinke*, J.M. Barden, **J.B. Montgomery**, 2019. Comparison of Apple watch to manual step count for horse movement analysis during stall confinement. Calgary International Equine Research Symposium, September 5 and 6, Calgary, AB, Canada. Presentation by S. Steinke*.

9. S.L. Steinke* and **J.B. Montgomery**, 2019. Testing of a rehabilitation harness and breastplate to aid in healing from musculoskeletal injuries in horses. WCVM Graduate Research Days, March. Presentation by S. Steinke*; *also presented at Collaborative Research and Education Initiative, Canadian Studies Center, Michigan State University, March 25, East Lansing, MI, USA and Life and Health Sciences Research Expo, University of Saskatchewan, May 2 (awarded 2nd place in the category Clinical Science I).*
10. S.L. Steinke*, L.J. Belgrave*, **J.B. Montgomery**, 2018. Development of a novel harness system to aid in rehabilitation of horses. ICEEP, November, Lorne, Australia. Presentation by S. Steinke*; *also presented by J.B. Montgomery at Horses Inside Out annual conference in England, February 2019.*
11. P.D.N. Thiessen*, B.J.B. Loewen*, B.M. Neufeld, **J.B. Montgomery**, 2018. The average surface temperature of a horse's shoulder as determined by thermography, using both manual and automated methods of analysis. WCVM Undergraduate Research Days, September. Presentation by P. Thiessen*; *also presented by J.B. Montgomery at Horses Inside Out annual conference in England, February 2019.*
12. B.J.B. Loewen*, V.M. Ragno*, P.D.N. Thiessen*, S.E. Parker, **J.B. Montgomery**, 2018. A survey-based study about oil supplementation use in equine diets. WCVM Undergraduate Research Days, September. Presentation by B. Loewen*.
13. V.M. Ragno*, N.S. Sereda*, E. Dudko*, D.L. Michel, G.A. Zello, K.A. Robinson, F.D. Uehlinger, **J.B. Montgomery**, 2018. A comparison of the stability of equine blood d-lactate in sodium fluoride and serum tubes. WCVM Graduate Research Days, April. Presentation by V. Ragno*.
14. V.M. Ragno*, F.D. Uehlinger, K.A. Robinson, G.A. Zello, **J.B. Montgomery**, 2018. Investigation of novel biomarkers for early detection of equine metabolic syndrome. WCVM Graduate Research Days, April. Presentation by V. Ragno*.
15. S.L. Steinke* and **J.B. Montgomery**, 2018. Equine biomechanics in an Equine Assisted Rehabilitation Lift. PHPY 432.6 (honours project) presentation by S. Steinke*, March. *Poster was recognized for being in the top 3 (out of >20 posters presented).*
16. N.S. Sereda*, V.M. Ragno*, D.L. Michel, G.A. Zello, K. Robinson, F.D. Uehlinger, **J.B. Montgomery**, 2017. A comparison of the stability of blood D-lactate in sodium fluoride and serum blood tubes. WCVM Undergraduate Research Days, September. Presentation by N. Sereda*. *N. Sereda won 2nd prize Undergraduate Student Research Competition in Clinical Sciences.*

17. C.D. Klein*, G.A. Zello, F.D. Uehlinger, **J.B. Montgomery**, 2016. The characterization of pro-inflammatory cytokine expression in equine metabolic syndrome. WCVM Undergraduate Research Days, September. Presentation by C. Klein*.
18. M. Husulak*, S.T. Manning, H.R. Kosolofski, J.I. Steedman*, A.C. Williams*, L.P. Riddell, S.J. Dos Santos*, M.D. Meachem, H.J. Burgess, T.Y. Epp, **J.B. Montgomery**, 2015. Does antimicrobial therapy improve outcomes in horses with recurrent airway obstruction and a positive tracheal wash culture? 33rd Veterinary Comparative Respiratory Society (VCRS) Symposium, October, Edinburgh, United Kingdom. Presentation by M. Husulak*.
19. A. Williams*, M. Husulak*, L. Riddell, S. Anderson, **J.B. Montgomery**, 2015. Myeloperoxidase activity in bronchoalveolar lavage fluid of healthy horses and horses with Recurrent Airway Obstruction (RAO). WCVM Undergraduate Research Days, September. Presentation by A. Williams*.
20. L. Riddell, M. Husulak*, S. Manning, **J.B. Montgomery**, 2015. Putting the puzzle together: diagnosing lower airway inflammation in horses. WCVM Undergraduate Research Days, September. Presentation by L. Riddell.
21. **J.B. Montgomery**, J.E. Montgomery, E. Simko, S. Hendrick, 2015. Concurrent lung pathology in dogs with chronic liver disease. Experimental Biology, April, Boston, MA, USA. [Presentation by J.B. Montgomery](#).
22. H. Kosolofski, M. Husulak*, S. Dos Santos*, K. Lohmann, M. Meachem. S. Manning, **J.B. Montgomery**, 2014. TNF- α concentration in BALF from horses with RAO and healthy horses. WCVM Undergraduate Research Days, September. Presentation by H. Kosolofski.
23. J. Steedman*, K. Lohmann, **J.B. Montgomery**, J. Hill, M. Meachem, L. Johnson, 2014. Characterization of the airway microbiome in healthy horses and horses with heaves. WCVM Undergraduate Research Days, September. Presentation by J. Steedman*.
24. J. Steedman*, K. Lohmann, **J.B. Montgomery**, J. Hill, M. Meachem, L. Johnson, 2014. Characterization of the airway microbiome in healthy horses and horses with heaves. 15th Annual Merial-NIH Veterinary Scholars Symposium, August, Ithaca, NY, USA. Presentation by J. Steedman*.
25. L.R. Kong, J.E. Montgomery, **J.B. Montgomery**, M.C. Gaunt, B. Ambros, E. Simko, 2013. Percutaneous trans-splenic portal vein catheterization in canines. WCVM Undergraduate Research Days, September. Presentation by L. Kong.

26. K.A. Morton, L. Weber, J. Harding, M. Loewen, **J.B. Montgomery**, J. Palomino, G. Adams, S. Gomis, E. Snead, K. Zatti, M. Drew, A. Allen, S. Cook, K. Link, S. Unniappan, 2013. Characterization of nesfatin-1, a novel metabolic protein in domestic animals. WCVM Undergraduate Research Days, September. Presentation by K. Morton.
27. **J.B. Montgomery**, S. Singh Suri, L.E. Johnson, D.G. Wilson, B. Singh, 2013. Remote lung injury after experimental intestinal ischemia reperfusion in horses. Experimental Biology, April, Boston, MA, USA. [Presentation by J.B. Montgomery](#).
28. **J.B. Montgomery**, M.G. Wichtel, J.J. Wichtel, M.A. McNiven, F. Markham, J. Sheppard, JT. McClure, 2008. Effect of selenium source on selenium status and immune function in horses. ACVIM Forum, June, San Antonio, TX, USA. [Presentation by J.B. Montgomery](#).

15. REPORTS AND OTHER OUTPUTS

2023-2024

WCVM Today article on publication in The Veterinary Journal
<https://wcvmtoday.usask.ca/articles/2024/02/the-limb-chill-factor-study-explores-cold-therapy-options-for-laminitis.php>; also in WCVM Horse Health Lines Spring 2024 <https://wcvmtoday.usask.ca/documents/2024/hhl-spring-2024.pdf>

2022-2023

Interview with The Horse about equine asthma, April 2023, re-published in AVMA Animal Health Smart Brief, April 3, 2023.

Launch of equine endocrine panel reported in WCVM Today (<https://wcvmtoday.usask.ca/articles/2023/02/baseline-for-hormone-levels-in-western-canadian-horses-takes-shape.php>), Townsend Equine Health Research Fund (TEHRF) research news (<https://tehrf.ca/2023/02/18/hormone-baseline-takes-shape/>), and Horse Health Lines Spring 2023 (<https://wcvmtoday.usask.ca/documents/2023/hhl-spring-2023.pdf>); republished on horsetalk.co.nz

2021-2022

Interview with Haygain (company producing hay steamers), United States, on equine asthma prompted by the CBC article, June 23, 2022

Interview with CBC on equine asthma, June 6, 2022:
<https://www.cbc.ca/news/canada/saskatchewan/equine-asthma-rise-air-quality-declines-1.6478004>

CIHR funded research was featured internationally:

<https://cysticfibrosisnewstoday.com/2022/02/23/funding-canadian-researchers-new-cell-types-cystic-fibrosis-lungs-pulmonary-ionocytes/>

WCVM Today article by 2021 summer research student Kody Beler, reprinted from Science Borealis (<https://blog.scienceborealis.ca/multidisciplinary-collaboration-yields-a-promising-new-biopsy-tool-for-diagnosing-interstitial-lung-disease/>), featuring interdisciplinary lung biopsy tool development: <https://wcvmtoday.usask.ca/articles/2022/01/multidisciplinary-collaboration-yields-promising-biopsy-tool-for-diagnosing-lung-disease.php>

WCVM Horse Health Lines Fall 2021, featured two of my research studies: <https://tehrf.ca/wp-content/uploads/2021/12/HHL-FALL-2021.pdf>

University of Saskatchewan Signature Area Advisory Circle report co-author, July 2021:

https://vpresearch.usask.ca/documents/initiatives/sa-renewal/sa-ac_final-report_july-30_2021.pdf

Interview with Western Producer (phone interview) about West Nile Virus in large animals, August 26, 2021; published online on August 27: <https://www.producer.com/news/west-nile-virus-mosquitoes-found-in-man-sask/>

2020-2021

Equestrian Adventuresses™ podcasts on laminitis

<https://equestrianadventuresses.com/2021/05/14/horse-podcast-ep-134-laminitis-an-equestrian-worst-nightmare/>, equine asthma

<https://equestrianadventuresses.com/2021/06/14/horse-podcast-ep-145-equine-asthma-ask-your-vet/>, and PPID (podcast recorded in June, published in July)

<https://equestrianadventuresses.com/2021/07/14/horse-podcast-ep-158-ask-the-vet-cushings-diesase-ppid/#resources>, May and June, 2021

WCVM Horse Health Lines Spring 2021, three articles featuring my work and expertise: 1. equine cardiac cases linked to tent caterpillars (published in Canadian Veterinary Journal, Chapuis *et al.*), 2. ongoing project (in collaboration with Prairie Diagnostic Services, Inc.) to establish endocrine reference values for our population of horses, 3. newly released equine asthma treatment (Aservo™ Equihaler™); <https://tehrf.ca/wp-content/uploads/2021/03/HHL-Spring-2021-Final-web.pdf>

Interview with CBC radio (Saskatchewan's morning edition) about Made-in-Saskatchewan Emergency Use Ventilator (EUV-SK1) project, January 7, 2021

J.B. Montgomery and P. Farnese. Keeping it local: The story behind a made-in-Saskatchewan COVID-19 emergency-use ventilator, [The Conversation Canada](https://theconversation.ca/), December 23, 2020

EUV project news release (SK Ministry of Health and USask), December 3, 2020

EUV-SK1 Operation & Training Manual (with R. Erker, D. Goodridge, M. Johnston), April 2020 - March 2021

EUV Usability Testing and Report for Health Canada submission for approval of the EUV-SK1, July 2020

2019-2020

EUV-SK1 Videos (training resources), May 2020

Equine asthma article in The Horse, based on phone interview, February 2020

Hoof Beats magazine article on Endoscopy capsule study, September 2019

Article on horse rehabilitation project, BBC international online news (July 30, 2019)

2018-2019

Mitacs Accelerate funded horse rehabilitation project was selected to be showcased to Members of the Legislative Assembly of Saskatchewan at the provincial legislature in Regina, SK, May 7, 2019, and featured in several radio interviews, as well as interviews for CBC online news (March 30, 2019), CTV 6pm news (April 2, 2019), Saskatoon Star Phoenix (May 7, 2019), Regina Leader-Post (May 7, 2019), and Global News (May 29, 2019)

2017-2018

J.B. Montgomery. Interview on CBC Radio 1 Morning Show on obesity in horses, October 13, 2017. This invitation was prompted by an article on the same topic published in WCVM Horse Health Lines

J.B. Montgomery, 2017. Shipping fever. Horse Canada

2015-2016

J.B. Montgomery with H. Kosolofski, 2015. What is pituitary pars intermedia dysfunction? Horse Canada

2010

J.B. Montgomery, J. J. Wichtel, 2010. It's elemental, my dear. Selenium - why it is important for your horse's health. Atlantic Horse & Pony.

2008

J.B. Montgomery, 2008. Neonatal foals. Atlantic Horse & Pony.

16. RESEARCH FUNDING HISTORY

2022-2023 Grant Received

J.B. Montgomery (PI), J. Boire, A. Allen, S. Echols, J. Engiles, A. van Eps, Understanding the role of blood flow alterations in the development of equine laminitis. Canadian Light Source (CLS) General User Access Proposal 013406 for the Biomedical Imaging and Therapy (BMIT) beamline, June 2023 (merit access for beam time at CLS BMIT in August 2023).

2021-2022 Grants Received

J.P. Ianowski (PI), V.A. Campanucci, (Co-PI), Y. Le (Co-PI), X. Luan (Co-PI), J. Tam (Co-PI), C-C. Tyan (Co-PI), **J.B. Montgomery** (Co-PI), Cellular bases of cystic fibrosis lung disease: epithelial ionocytes transport bicarbonate and control airway surface liquid pH; while club and goblet cells control hydration and volume, \$112,000 USD. Cystic Fibrosis Foundation (USA) Operating Grant, June 2022 – June 2024.

J.B. Montgomery (PI), VCRS Symposium, \$2,000. Respiratory Research Centre, Conference Fund Award, June 2022.

Y. Seddon (Co-PI) and **J.B. Montgomery** (Co-PI), Testing of a novel cooling boot to deliver continuous digital hypothermia in horses for prevention and treatment of equine laminitis, \$15,000. Mitacs Accelerate, June – October 2022.

J.B. Montgomery (PI), P. Viviani*, V. Ragno, M. Meachem, Determining seasonality of baseline plasma ACTH and serum insulin in healthy horses residing in Saskatchewan, \$25,120. Townsend Equine Health Research Fund, May 1, 2022 – April 30, 2024.

C-C. Tyan (PI), **J.B. Montgomery** (Co-I), D. Chen, A. Allen, R. Campbell, The prototyping of a novel transbronchial lung biopsy tool and validation testing in ex-vivo porcine lung, \$24,300. Royal University Hospital Foundation Research Grant, April 1, 2022 – March 31, 2024.

J.B. Montgomery (PI), 40th Veterinary Comparative Respiratory Society (VCRS) Symposium, \$1,000. University of Saskatchewan Conference Fund, March 2022.

J.P. Ianowski (Lead-PI), A. AbuArish (Co-PI), V.A. Campanucci (Co-PI), **J.B. Montgomery** (Co-PI), J. Tam (Co-PI), C-C. Tyan (Co-PI), Cellular bases of cystic fibrosis lung disease: epithelial ionocytes transport bicarbonate and control airway surface liquid pH; while club and goblet cells control hydration and volume, \$810,900. Canadian Institutes of Health Research (CIHR) Project grant, 2022 – 2027 (5-year duration).

<https://news.usask.ca/articles/colleges/2022/usask-collaboration-key-to-research-funding-success.php>

2020-2021 Grant Received

J.B. Montgomery (PI), Understanding the role of blood flow alterations in the development of equine laminitis, \$ 2,500 USD. Mitacs Globalink Research Internship, funding for research student, Jazzlyn Lewis, May – August, 2021.

2019-2020 Grants Received

C-C. Tyan, **J.B. Montgomery** (Co-I), D. Chen, A. Allen, Development and testing of a novel transbronchial lung parenchymal biopsy tool, \$25,000. University of Saskatchewan Respiratory Research Centre Team-Building Grant, January 1, 2020 – December 31, 2021.

J.B. Montgomery (PI), M. Klein, A. Maksimenko, C. Hall, C. Beck, Synchrotron imaging of the equine digit - toward understanding supporting limb laminitis, In-kind ANSTO Grant Value: \$ 65,568 AUD. Australian Synchrotron merit access for beam time at the Imaging and Medical Beamline (IMBL), February 2020.

2018-2019 Grant Received

J.B. Montgomery, Study of biomechanics during equine rehabilitation: development of harness system and rehabilitation protocol, \$44,500. Mitacs Accelerate, September 1, 2018 – February 29, 2020, extended to August 2020.

2017-2018 Grant Received

J.B. Montgomery (PI), J. Bracamonte, K. Wahid, Study of human SmartPill® technology in horses towards the development of an equine –specific diagnostic ingestible wireless capsule, \$8,055. Townsend Equine Health Research Fund, April 1, 2018 – March 31, 2022.

2015-2016 Grant Received

J.B. Montgomery (Co-PI), F.D. Uehlinger (Co-PI), K. Robinson, G. Zello, Investigation of novel biomarkers for early detection of Equine Metabolic Syndrome, \$12,686. Townsend Equine Health Research Fund, March 1, 2016 – March 31, 2019.

2014-2015 Grant Received

J.B. Montgomery, Mobile equine field laboratory for sample collection and processing, \$179,517 (CFI contribution \$71,806). Canadian Foundation of Innovation John R. Evans Leaders Fund, 2015.

2013 – 2014 Grants Received

J.B. Montgomery (PI), J.E. Montgomery, J.L. Carmalt, Validation of a novel smart hoist system for treatment and rehabilitation of horses, \$70,000. L. David Dubé and Heather Ryan Veterinary Health Research Fund, May 20, 2014 – May 31, 2017. Extended to November 2018.

K. Lohmann, **J.B. Montgomery** (Co-PI), J. Hill, H. Burgess, The airway microbiome in healthy horses and horses with heaves, \$38,427 (USD). American

College of Veterinary Internal Medicine (ACVIM) Foundation, March 1, 2014 – February 28, 2015. Extended to February 28, 2016.

K. Lohmann, **J.B. Montgomery** (Co-I), J. Hill, H. Burgess. The tracheal microbiome in healthy horses and horses with heaves, \$15,834. WCVM Equine Health Research Fund, May 1, 2014 – April 30, 2015.

2013 – 2014 Grant Collaborator

P. Babyn, B. Singh, H. Fonge, R. Geyer, H. Obaid, K. Wahid, C. Wesolowski, S. Wiebe, One Health Imaging Group, \$30,000. Saskatchewan Health Research Foundation Health Research Group (Phase One) Grant, January 1, 2014 – December 31, 2016.

2013 Grants Received

J.B. Montgomery, \$25,000. Faculty Research Start-Up Funding, March 2013.

J.B. Montgomery, \$5,000. Faculty Operating Start-Up Funding, March 2013.

J.B. Montgomery, \$30,000. Faculty Equipment Start-Up Funding, March 2013.

J.B. Montgomery (PI), K. Lohmann, H. Burgess, S. Manning, T. Epp, What is normal? Evaluation of tracheal wash and bronchoalveolar lavage samples from presumed healthy horses grouped by age, \$9,217. WCVM Equine Health Research Fund, May 1, 2013 – April 30, 2014.

17. PRACTICE OF PROFESSIONAL SKILLS

a. Clinical responsibilities, contribution to clinical service and other professional practice:

2023-2024

Consulting on individual internal medicine cases, 7 hours total (July – March), including equine endocrine consulting developed by me.

2022-2023

Clinical duty regular hours and after hours: 11 weeks; 9 weeks on call; only faculty clinician scheduled during these weeks.

Shared clinical duty with the two other members of the large animal medicine section. Primary clinical responsibility for all patients admitted to the medicine service (during [11 weeks] and after [9 weeks] hours), hospitalized cases, clinical teaching responsibility for the VINT 580 clinical fourth year rotation, as well as training of the intern and residents (year-round). Answering phone and email inquiries (consultation) from clients and referring veterinarians, assisting with diagnosis and case management over the phone or via email. I shared after-hours duty one-in-three call with responsibility for nights and weekends. I was available for consultation with colleagues, referring veterinarians and clients outside of my

assigned clinical duties. I provided legal consultation on an equine case as a subject matter expert in March 2023.

Prairie Diagnostic Services Inc. (PDS) equine endocrine testing launch, February 1, 2023; lead formalized endocrine consulting initiative.

Coordination of regular (bi-weekly) large animal medicine section meetings, continual improvement to medicine clinical service & section. Regular monthly meetings with large animal RVTs. Regular attendance of M&M rounds. I also extensively contributed to the WCVM extension effort, providing CE seminars to the equine industry and veterinarians (see 23).

2021-2022

Clinical duty regular hours and after hours: 16 weeks; 13 weeks on call (14 weekends).

Clinical initiatives and vet CE featured in the Spring 2022 DVM report:

<https://vmc.usask.ca/referring-veterinarians/rdvm/mar-2022/vmc-offer-trh-stimulation-test-for-early-ppid-diagnosis.php>

<https://vmc.usask.ca/referring-veterinarians/rdvm/mar-2022/wcvm-to-offer-equine-airway-wet-lab-for-vets.php>

Continued collaboration with Prairie Diagnostic Services Inc. (PDS) to establish reference values for PDS Equine Endocrine Panel.

Coordination of regular (bi-weekly) large animal medicine section meetings, continual improvement to medicine clinical service & section, creation of/contribution to VMC SOPs. Member of the VMC IPAC biosecurity committee. Regular bi-weekly meetings with large animal RVTs. Regular attendance of M&M rounds. I also extensively contributed to the WCVM extension effort, providing CE seminars to the equine industry and veterinarians (see 23).

2020-2021

Clinical duty regular hours and after hours: 21 weeks; 14 weeks on call.

Collaboration with Prairie Diagnostic Services Inc. (PDS) to establish reference values for PDS Equine Endocrine Panel and promotion of equine endocrine diagnostic capabilities (“what to expect” pamphlets, TRH stim test) and contribution to additional Equine Health client education resources on VMC website. I also extensively contributed to the WCVM extension effort, providing CE seminars to the equine industry and veterinarians (see 23).

Coordination of regular (bi-weekly) large animal medicine section meetings, continual improvement to medicine clinical service & standard of care, creation of/contribution to VMC SOPs. Member of the VMC IPAC biosecurity committee. Regular attendance of M&M and ruminant rounds. For ruminant rounds, I organized one guest speaker, Dr. Karin Darpel from the Pirbright Institute in the United Kingdom, May 20, 2021.

2019-2020

Sabbatical leave

2018-2019

Clinical duty regular hours and after hours: 17 weeks; 17 weeks on call. Coordination and execution of “free necropsy initiative” for foals suspected to suffer from Warmblood Fragile Foal Syndrome based on a request by the Canadian Warmblood Horse Breeders Association to help raise awareness of this genetic defect among horse owners.

The internal medicine section made several improvements, including “what to expect” pamphlets for clients (outlining how our service operates, introducing the different members of the clinical team and describing what to expect for common medical procedures and medical emergencies) and detailed and standardized quotes for all our common internal medicine procedures.

2017-2018

Clinical duty regular hours and after hours: 22 weeks; 14 weeks on call.

2016-2017

Clinical duty regular hours and after hours: 16 weeks; 9 weeks on call. Disease investigation of *Yersinia enterocolitica* outbreak on an alpaca farm, November/December 2016.

2015-2016

Clinical duty regular hours and after hours: 27 weeks; 15 weeks on call. Disease investigation of neurologic disease in horses, including farm visit and sample collection, October 1, 2015.

2014-2015

Clinical duty regular hours and after hours: 26.5 weeks; 14.5 weeks on call.

2013 -2014

Clinical duty during regular hours and after hours: 18 weeks; 10 weeks on call. Invited to conduct disease investigation, Olds College (Olds, AB, Canada), April 20 – 22, 2014. Consult on an outbreak of suspect clostridial septicemia in foals.

2013

Clinic duty: 6 weeks (February 1, 2013 – June 30, 2013).

b. American College of Veterinary Internal Medicine (ACVIM)-related responsibilities:

2021 – 2024

ACVIM LAIM Candidate (P. Viviani) residency advisor, July 2021 – 2024. Resident advisor and supervising diplomate. Board certification achieved.

2013-2019 and 2020-2024

Active participation in ACVIM large animal internal medicine (LAIM) residency training program (RTP) at WCVM as supervising diplomate, 2013 – June 2019 and July 2020-April 2024 (*sabbatical leave from July 1, 2019 – June 30, 2020*).

2022 – 2023

ACVIM LAIM Candidate (N. Van Der Vossen) residency advisor, April 2022 – July 2023. Board certification achieved.

ACVIM LAIM Residency Training Program (RTP) Director, April 2022 – September 2023.

Mentor for one ACVIM LAIM candidate clinical writing assignments (CWA)

2016-2019

ACVIM LAIM Candidate (V. Ragno) residency advisor, July 2016 – July 2019.

Resident advisor and supervising diplomate. Board certification achieved.

ACVIM LAIM RTP Director, September 2016 – June 2019

2018-2019

Mentor for two ACVIM LAIM candidate clinical writing assignments (CWA).

c. Scientific reviews and related activities:

2025-2026

Invited scientific external reviewer, Natural Sciences and Engineering Research Council of Canada (NSERC) Discovery Grant, December. One grant application to be reviewed.

Invited scientific external reviewer, Mitacs Accelerate research grant proposal, Mitacs, September. One grant application reviewed.

Reviewer, Veterinary Comparative Respiratory Society (VCRS) conference abstracts, August.

2024-2025

Invited scientific external reviewer, Hong Kong Jokey Club Equine Welfare Research Foundation, June. One grant application reviewed.

Invited scientific external reviewer, Mitacs Accelerate research grant proposal, Mitacs, February. One grant application reviewed.

Invited scientific external reviewer, NSERC Discovery Grant, January. One grant application reviewed.

Invited scientific external reviewer, Sir James Dunn Animal Welfare Centre Grant, University of Prince Edward Island Atlantic Veterinary College, November. One grant application reviewed.

Judge, Oklahoma State University (OSU) Phi Zeta Research Day, OSU College of Veterinary Medicine, April. Three abstract presentations reviewed.

Judge for the Joan A. O'Brien Research Abstract Award, 42nd Veterinary Comparative Respiratory Society (VCRS) Symposium, University of Helsinki, November. Ten abstract presentations reviewed.

2023-2024

Reviewer, American Journal of Veterinary Research (AJVR), December. One manuscript reviewed.

Reviewer, Canadian Veterinary Journal (CVJ), August and October. Two manuscripts reviewed.

Reviewer, Journal of Veterinary Internal Medicine (JVIM), July and October. Three manuscripts reviewed.

Reviewer, Journal of Equine Veterinary Science (JEVS), July and August. Three manuscripts reviewed.

Invited scientific reviewer, Equine Guelph, U of Guelph, November. One grant application reviewed.

Reviewer (invited), Alberta Biomedical Engineering (AB BME) Conference abstracts, September. Eight abstracts reviewed.

Faculty evaluator, VLAC 990 Graduate Student Seminar, December.

2022-2023

Reviewer, AJVR, June. One manuscript reviewed.

Reviewer, JEVS, April. One manuscript reviewed.

Reviewer, CVJ, November and December. Two manuscripts reviewed.

Reviewer, Canadian Journal of Veterinary Research (CJVR), November. One manuscript reviewed.

Reviewer, Frontiers in Veterinary Science, November and December. Two manuscripts reviewed.

Reviewer, Equine Veterinary Journal (EVJ), October. One manuscript reviewed.

Invited scientific reviewer, Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA) Alliance Tier 1 research grant, November. One grant application reviewed.

Invited scientific reviewer, Equine Guelph, U of Guelph, November. One grant application reviewed.

Australian Synchrotron beamtime proposal review, September. One research proposal reviewed.

Reviewer (invited), Alberta Biomedical Engineering (AB BME) Conference abstracts, August. Nine abstracts reviewed.

ACVIM Forum Moderator, June 17, 2023, Philadelphia, PA, USA

Conference chair and session moderator, 40th Veterinary Comparative Respiratory Society (VCRS) Symposium, October.

Canadian Veterinary Medical Association (CVMA) annual convention moderator, Halifax, NS, Canada, July. Moderated 6 scientific sessions (1 hour each)

2021-2022

Reviewer, EVJ, June. One manuscript reviewed.

Reviewer, Frontiers Immunology, April and June. Two manuscripts reviewed.

Reviewer, Veterinary Medicine and Science, January. One manuscript reviewed.
Reviewer, Veterinary Research Communication, October 2021 and February 2022. Two manuscripts reviewed.
Reviewer, Australian Veterinary Journal, October. One manuscript reviewed.
Invited scientific review of Mitacs Accelerate research grant proposal, Mitacs, June. One grant application reviewed.
Reviewer, VCRS research grant proposals, May. Two grants reviewed.
Invited scientific review of Mitacs Accelerate research grant proposal, Mitacs, March. One grant application reviewed.
Invited scientific review of equine research grant proposal for Equine Guelph, U of Guelph, November. One grant application reviewed.
Chair, USask Respiratory Research Centre (RRC) Team-Building Grant adjudication committee, September – November.
Poster judge, WCVM Undergraduate Student Poster Competition, September.
Moderator, USask Signature Area (SA) “Pitch your idea” session, part of USask SA renewal process, member of the SA steering committee (see also 21.1)

2020-2021

Reviewer, CVJ, March. One manuscript reviewed.
Reviewer, JEVS, August, November, December 2020 and February, May 2021. Five manuscripts reviewed.
Reviewer, Research in Veterinary Science, August and September. Two manuscripts reviewed.
Reviewer, WCVM best graduate student paper award, April. Eleven papers reviewed.
USask RRC Interdisciplinary summer research competition adjudication committee, March. Three applications reviewed.
Reviewer, WCVM Townsend Equine Health Research Fund (TEHRF) Scientific review committee, December 2020. Four grant applications reviewed.
USask RRC Postdoc fund adjudication committee, November. Four applications reviewed.
Faculty evaluator, VLAC 990 Graduate Student Seminar, December

2019-2020

Reviewer, Veterinary Medicine and Science, February and May. Two manuscripts reviewed.
Reviewer, JVIM, January, March, May and June. Four manuscripts reviewed.
Reviewer, EVJ, December. One manuscript reviewed.
Reviewer, JEVS, November 2019, March, May, and June 2020. Four manuscripts reviewed.
Reviewer, CVJ, August 2019, January and April 2020. One manuscript reviewed four times.
Reviewer, Veterinary Record, July. One manuscript reviewed.
USask RRC/OVPR COVID-19 Rapid Response Fund Adjudication Committee, June.
Reviewer, VCRS research grant proposals, April. Eight grants reviewed.

Invited scientific reviewer, Equine Guelph, U of Guelph, October. One grant application reviewed.

Reviewer, VCRS conference abstracts, 27 abstracts reviewed, August.

Moderator, USask RRC COVID-19 Discussion Group, May.

2018-2019

Reviewer, JEVS, January/March 2019 and April 2019. Two manuscripts reviewed.

Reviewer, Veterinary Record, December. One manuscript reviewed.

Reviewer, CVJ, September. One manuscript reviewed.

Reviewer, Wiley book proposal, October.

ACVIM Forum Moderator, June 6 and 7, 2019, Phoenix, AZ, USA

Reviewer, ACVIM Forum abstracts, 11 abstracts reviewed, February.

Poster judge for WCVM Undergraduate Student Poster Competition, September.

2017-2018

Reviewer, Equine Veterinary Education, October. One manuscript reviewed.

Invited reviewer, USask RRC Graduate Student Award, April/May.

Reviewer, ACVIM Forum abstracts, eight abstracts reviewed, March.

Judge for the WCVM GSA Graduate Student Merit Award, April. Ten applications reviewed.

Judge for the Joan A. O'Brien Award, 35th VCRS Symposium, University of Illinois, October.

Poster judge for WCVM Undergraduate Student Poster Competition, September.

Judge for LACS Graduate Student Seminar Conference, December

2016-2017

Reviewer, BMC Veterinary Research, October 2016 and March 2017. Two manuscripts reviewed.

Reviewer, CVJ, March. One manuscript reviewed.

Reviewer, VCRS research grants, 9 grant proposals reviewed.

Reviewer, VCRS conference abstracts, August.

Review of USask Animal Use Protocol, November.

Judge for WCVM Pitch Your Research video contest, August.

Judge for the Joan A. O'Brien Award, 34th VCRS Symposium, Michigan State University, September.

Judge for LACS Graduate Student Seminar Conference, December.

Poster judge for WCVM Graduate Student Poster Competition, March.

2015-2016

Reviewer, JEVS, August. One manuscript reviewed.

Co-organizer and poster judge, WCVM undergraduate student poster days, September.

2014-2015

Reviewer, Cell & Tissue Research, November 2014 and April 2015. Two manuscripts reviewed.

Reviewer, CVJ, December. One manuscript reviewed.

Reviewer, JEVS, February. One manuscript reviewed.

Review of USask Animal Use Protocol, April.

Poster Judge WCVM undergraduate student poster days, September.

Poster Judge WCVM graduate student poster days, March.

2013-2014

Reviewer, PlosOne, October. One manuscript reviewed.

Reviewer, Journal of Translational Medicine, November. One manuscript reviewed.

Reviewer, Cell & Tissue Research, January. One manuscript reviewed.

Review of USask Animal Use Protocol, April.

Poster Judge WCVM graduate student poster day, March.

2012-2013

Reviewer, JEVS, January. One manuscript reviewed.

Reviewer, CJVR, July. One manuscript reviewed.

Poster Judge WCVM graduate student poster day, March.

Invited co-chair of scientific session (Pulmonary Inflammation and Injury), Experimental Biology 2013, Boston, MA, USA

2010

Reviewer, New Zealand Veterinary Journal. Three manuscripts reviewed.

18. ADMINISTRATIVE SERVICE

18.1. UNIVERSITY COMMITTEES

University of Saskatchewan

Member (invited), Biomedical Engineering Division (BioE) Scholarship Committee, September 2023

Member (invited), USask Respiratory Research Centre Executive Committee, January 2020 – March 2024

Member, University of Saskatchewan Faculty Association (USFA) Grievance Committee, September 2020 – March 2024; Associate Grievance Officer (appointed), 2023 – March 2024

Member, USask BioE Executive and Graduate Affairs Committee, 2018 – 2024

Member, VP Research Signature Area Steering Committee, 2021 – 2022

Member (invited) and Co-Chair, VP Research Signature Areas Advisory Circle, June - July 2021

Member (invited), Search Committee for Respirologist position in the Department of Anatomy, Physiology and Pharmacology, College of Medicine, January - April 2021

Member (invited), Steering Committee Livestock and Forage Centre of Excellence (LFCE) – Phase 2B (Goodale renovations), 2018 - 2021
Member, USFA Committee on Women’s Issues (CWI), 2014 – 2019
Chair, USFA CWI, 2015-2016
Member, USFA Elections committee, 2016-2018
Member, USFA Executive committee, 2013-2016
Dean’s Designate Chair of a PhD defense, December 2017
Dean’s Designate Chair of a PhD defense, August 2014

18.2 COLLEGE AND DEPARTMENTAL COMMITTEES

OSU College of Veterinary Medicine (CVM)

Veterinary Administrative Council (VAC), 2024 – present
Hospital Advisory Committee, 2025 - present

Western College of Veterinary Medicine (WCVM)

WCVM Continuing Education Committee, 2023 – 2024
WCVM Research and Teaching Animal Committee, May 2022 - 2024
WCVM Third Year Teachers Committee, 2020 - 2024
WCVM College Review Committee (CRC; elected), 2020 - 2024
CRC sub-committee for the revision of college standards, 2021 - 2023
Faculty Representative, WCVM Associate Dean Clinical Programs Review Committee, 2023
WCVM Undergraduate Student Poster Day Planning Committee, August – September 2021
WCVM Graduate Student Poster Competition Organizing Committee, March 2019
WCVM Graduate Supervisor Award Committee, March 2019
WCVM Fourth Year Teachers Committee, 2015 – 2019
WCVM Goodale Research Farm Management Committee, 2014 – 2019
WCVM Veterinary Social Work Initiative Committee, 2015 - 2018
WCVM Equine Health Research Fund 2013 – 2014

Large Animal Clinical Sciences (LACS)

LACS Graduate Co-Chair, 2022 - 2024
LACS Graduate Oversight Committee, 2023 – 2024
LACS Search Committee for large animal medicine/equine field service term lecturer position, 2023
LACS ad hoc committee for review of departmental salary review guidelines, 2022 - 2023
LACS Search Committee for large animal term medicine faculty position, 2022
LACS Salary Review Committee, 2021 - 2022
LACS ad hoc committee for drafting departmental guidelines for assignment of duties, 2021 – 2022
LACS Rotating Internship Committee, 2020-2021
LACS ad hoc committee for drafting departmental standards, 2020 - 2021

LACS Search Committee for equine field service lecturer position, 2020 - 2021
LACS Search Committee for large animal medicine faculty position, 2018 - 2019
LACS Salary Review Committee, 2018-2019
LACS Salary Review Committee, 2017-2018
LACS Search Committee for large animal surgery faculty position, 2018
LACS Search Committee for large animal medicine faculty position, 2016-2018

18.3 OTHER ADMINISTRATIVE SERVICE

Invited external reviewer of Promotion to full Professor dossier for North Carolina State University College of Veterinary Medicine, August 2024
Invited external reviewer of Tenure and Promotion to Associate Professor dossier for Auburn University College of Veterinary Medicine, August 2024
Invited external reviewer of Tenure and Promotion to Associate Teaching Professor case file for Thompson Rivers University Faculty of Science (British Columbia), October 2022
Invited external reviewer of Promotion to Associate Professor dossier for University of Minnesota College of Veterinary Medicine, June 2022
Peer review of teaching for LACS faculty member, August 2021
Co-organizer of 2012 Prairie Infectious Immunology Network Conference

19. PROFESSIONAL OR ASSOCIATION OFFICES AND COMMITTEE ACTIVITY OUTSIDE THE UNIVERSITY

a. American College of Veterinary Internal Medicine (ACVIM)

Member (invited), ACVIM Training Optimization Task Force, 2024-present
Chair (invited), ACVIM LAIM Credentials Committee, 2023-2024
Chair (invited), ACVIM LAIM Residency Training & Credentials Committee, 2022-2023
Assistant Chair (invited), ACVIM LAIM Residency Training & Credentials Committee, 2021-2022
Member, ACVIM LAIM Residency Training & Credentials Committee, 2020-2023
Member, ACVIM LAIM Credentials Committee, 2015 – 2018; subcommittee chair 2016-2017 *and* 2017-2018
Member, ACVIM LAIM Exam Rating Committee, 2010 – 2013
Member, ACVIM LAIM Credentials Committee, 2010 – 2013

b. Veterinary Comparative Respiratory Society (VCRS)

Member, VCRS Board (invited), October 2017 – present
Member, VCRS, 2012 – present
Co-chair, Veterinary Comparative Respiratory Society (VCRS) Research Committee, June-October 2023
Past President, VCRS, 2022-2023
President, VCRS, 2021–2022; responsible for organizing and hosting the annual research symposium as conference chair in Saskatoon, October 2-5, 2022

President-elect, VCRS, 2020-2021
Vice President, VCRS, 2019-2020
Member, Scientific Committee for the 37th VCRS Symposium, 2019
Member, VCRS Conference Planning Committee, 2017-2018
Member, VCRS Research Advisory Board, 2016-2017
Member, Scientific Committee for the 34th VCRS Symposium, 2016

c. Canadian Society for Immunology (CSI)

Member, Canadian Society for Immunology, April 2019 - 2023
Member of the 2019 CSI annual conference local organizing committee (invited)
Abstract review committee for the 2019 CSI annual conference, April 2019
Workshop co-chair at the 2019 CSI annual conference, April 2019

d. Canadian Medical and Biological Engineering Society (CMBES)

Member, Canadian Medical and Biological Engineering Society (CMBES), 2021
- 2024

e. Canadian Veterinary Medical Association (CVMA) and Saskatchewan Veterinary Medical Association (SVMA)

Member (appointed), Canadian Veterinary Medical Association (CVMA)
Professional Development Committee, January 1, 2022 – March 2024
Member, CVMA, 2013 – 2024
Member, Saskatchewan Veterinary Medical Association (SVMA), 2013 – 2024
Member, SVMA Wellness Committee, December 2016 - June 2019

f. Other

Invited member of Boehringer Ingelheim Animal Health Innovation Advisory
Board, Equine Asthma: Current Treatments and Future Innovation,
Montreal, QC, Canada, November 7-8, 2019
Member, Hamburg Veterinary Medical Association, 2004 – present
Member, American Association of Anatomists, 2012 – 2016

20. PUBLIC AND COMMUNITY CONTRIBUTIONS

20.1 University Related:

2025-2026

Panelist, EHV-1 Update, Zoom webinar for Oklahoma licensed veterinarians,
November 20, 2025

2023-2024

Co-presenter 2024 WCVM Mixed Animal Practitioner CE, Equine Neurology,
virtual delivery, February 13, 2024
Co-presenter and moderator, “Preventing laminitis, Are your horses at risk?”,
information session for horse owners, WCVM, Saskatoon, SK, Canada,
October 19, 2023.

Instructor (invited), vet CE lab on equine gastroscopy, Cranbrook, BC, Canada, October 11, 2023. All day lab for veterinarians at Steeples Veterinary Clinic, Cranbrook, BC, Canada.

CommuniVET Brain Matters question author, four questions submitted, vet CE site, July 2023

Moderator, WCVM TEHRF Horse health lightning rounds, TEHRF funded grad student presentations, October 3, 2023
(<https://vimeo.com/873789048?share=copy>)

2022-2023

CommuniVET Brain Matters question author, one question submitted, vet CE site, June 2023

Co-organized and moderated (July 4, January 17, February 28, March 14)

WCVM equineED series for the public (virtual delivery).

Moderated the following seminars:

July 4, 2022, Equine Infectious Anemia (EIA)

January 17, 2023, Horse health lightning rounds, TEHRF funded grad student presentations (<https://vimeo.com/790946856>)

February 28, 2023, Equine skin diseases

March 14, Equine parasites

Instructor (invited), Boehringer Ingelheim vet CE lab on equine gastroscopy and bronchoalveolar lavage (BAL), Lloydminster, AB, Canada, February 14, 2023. Four-hour lab for AB veterinarians.

Instructor (invited), Boehringer Ingelheim vet CE lab on equine bronchoalveolar lavage (BAL) and gastroscopy, Winnipeg, MB, Canada, September 7, 2022. Four-hour lab for MB veterinarians.

VCRS presentation & wet lab, equine tracheal wash (TW & BAL), October 2, vet CE as part of the 40th VCRS Symposium in Saskatoon, SK, Canada.

Host, WCVM DLT Smith visiting lecturer, Dr. Scott Echols, October 6, 2022.

2021-2022

Co-organized, presented (October 27, March 2), and moderated (November 24, January 5, January 19, February 16) **WCVM equine health CE seminar series for veterinarians** (virtual delivery).

Presented the following seminars:

October 27, 2021, Laminitis

March 2, 2022, Strangles & EHV-1, management of outbreaks (with Dr. Ragno)

Moderated the following seminars:

November 24, 2021, Don't compound a drug problem

January 5, 2022, Equine parvovirus and other hepatitis viruses

January 19, 2022, Equine joint disease and treatments

February 16, 2022, Diagnostic testing, clinical pathology

Co-organized, presented (November 2, December 14, February 8, February 22) and moderated (October 19, November 30, December 14, January 11, January 25, March 8, March 22) **WCVM equineED series for the public** (virtual delivery).

<https://vimeo.com/showcase/7786321>

<https://wcvm.usask.ca/education/equine-seminars.php>

Presented the following seminars:

November 2, 2021, Laminitis (with Dr. Bracamonte)

December 14, 2021, Performance horse health & nutrition (with A. Van De Kerckhove)

February 8, 2022, Equine research at the college, panel discussion, panel member

February 22, 2022, Infectious diseases & outbreak management (with Dr. Ragno)

Moderated the following seminars:

October 19, 2021, Lameness and backpain

November 30, 2021, First aid & wound management

January 11, 2022, Breeding & fertility

January 25, 2022, Preventive healthcare, dental care

March 8, 2022, Don't compound a drug problem

March 22, 2022, What's equine health look like across the West? Panel discussion on equine health across Western Canada

<https://wcvmtoday.usask.ca/articles/2021/10/equine-education-series-returns.php>

2020-2021

Equestrian Adventureresses™ podcasts on laminitis, equine asthma and PPID, May and June 2021

Co-organized, presented (February 3, 17, March 31, April 28), and moderated (June 28) **WCVM equine health CE seminar series for veterinarians** (virtual delivery).

Presented the following seminars:

February 3, 2021, Equine Metabolic Syndrome (with A. Van De Kerckhove)

February 17, 2021, Equine Asthma

March 31, 2021, Muscle Diseases responsive to nutritional management

April 28, 2021, Panel discussion on Horse health myths & navigating supplements with health claims (with three other panelists)

Moderated the following seminar:

June 28, 2021, Equine euthanasia alternatives

Co-organized, presented (February 23 and April 6, 2021) and moderated (March 9 and 23, 2021) **WCVM equineED series for the public** (virtual delivery).

Presented the following seminars:

February 23, 2021, Equine Asthma

April 6, 2021, Equine Metabolic Syndrome (EMS) & Pituitary Pars Intermedia Dysfunction (PPID)

Moderated the following seminars:

March 9, 2021, foals

March 23, 2021, equine cardiology

2019-2020

Sabbatical leave

2018-2019

Presentation to horse owners on medical colic, WCVM Horse Health Care Education Session, March 20, 2019, Saskatoon, SK

Participation in WCVM VMC tour as part of Equine Expo (tour of Equine ICU and Horse Rehabilitation Lift), February 15, 2019, Saskatoon, SK

2015-2016

Co-organizer for WCVM presentations at Farm Fair International, Edmonton, AB, November 2015

Presentation (1 hour) on Preventative Health Strategies for the Performance Horse, Saskatchewan Equine Expo, February 13, 2016, Saskatoon, SK

Demonstrations on endoscopy and ultrasound (2 hours), Saskatchewan Equine Expo, February 14, 2016, Saskatoon, SK

Equine herpes virus (EHV)-1 info session for horse owners, March 25, 2016

2014-2015

Introduction to equine research at the WCVM, Canadian Association of Science Writers annual meeting at the U of S, June 18, 2015 (2 hours)

Presentations (3 hours) for horse owners (Grasswood Fillies) on Lung Diseases of Horses and Equine Health Myths (with Dr. Guillemaud), March 10, 2015

Presentation (1 hour) on Health Management for the Performance Horse, Saskatchewan Equine Expo, February 15, 2015, Saskatoon, SK

Instructor at WCVM horse camp, July 2014

2013-2014

Backyard Horse Seminar Series Co-presenter, May 1 and 8, 2014, Farm Animal Council of Saskatchewan

20.2 Not University Related:

Prior to U of S employment

Mentor, DVM student Buddy-Mentor Program, Atlantic Veterinary College (AVC), 2006 – 2008

Volunteer, AVC Vet Camp, Atlantic Veterinary College, 2005 – 2008

Science Fair Judge, University of Prince Edward Island, 2007

Member, Friedrich-Ebert-Foundation Scholarship Group, 2000 – 2003

Member, Vétérinaires Sans Frontières Germany, 1997 – 2003

21. OTHER ACTIVITIES

2025-2026

OSU Academic Leaders Series, 2025 – 2026.

Participant, American Association of Veterinary Medical Colleges (AAVMC)
Introduction to Systemic Wellbeing course, August – December 2025.

2024-2025

OSU Academic Leaders Series, 2024 – 2025.

Certified in Crucial Conversations, Oklahoma State University, College of Veterinary Medicine, Stillwater, OK, USA, January 7, 2025.

2023-2024

Greystone Advanced leadership course, USask, 2023 – 2024.

Workshop attendance, Reflections on Diversity, USask, February 6, 2024.

Invited workshop participant, ACVIM Volunteer Leadership Convening on the Future of Training, Minneapolis, MN, USA, June 4, 2024.

2022-2023

Completed AAVMC Leadership Academy, September 2022 to March 2023.

Completed Greystone Foundations leadership course, USask, 2022 - 2023.

Invited workshop participant, ACVIM Volunteer Leadership Convening on the Future of Training, Philadelphia, PA, USA, June 13, 2023.

2020-2021

Lead auditor training and certification from British Standards Institution (BSI) for ISO 13485:2016, Medical Devices – Quality Management Systems, September/October 2020;

BSI training in Medical Device Single Audit Program (MDSAP), January 2021;
BSI training in ISO 14971:2019, Medical Devices – Application of Risk Management, September/October 2020.

2019-2020

Completed Part I, Online Lecture Series, of the Certified Equine Rehabilitation Practitioner (CERP) Program offered by the University of Tennessee, 52 Credit Hours, August 2019 – June 2020.

2018-2019

Operational Excellence Certificate, University of Saskatchewan Edwards School of Business, 2018.

2016-2017

Workshop attendance: Emotional Intelligence and Coaching Skills, August.

Mental health first aid training, November.

Leadership workshop Women in Science, Engineering, Technology and Trade (WinSETT), December 1, 2016.

2013-2014

2014 USask Industry Liaison Office Tech Venture Challenge; third place out of 24 (\$3000).

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Scopus Author ID: 25960195100

(<https://www.scopus.com/authid/detail.uri?authorId=25960195100>)

Google Scholar: <https://scholar.google.com/citations?user=RVNl8t0AAAAJ>

ResearchGate: <https://www.researchgate.net/profile/Julia-Montgomery-7>

OSU Experts Directory: <https://experts.okstate.edu/julia.b.montgomery>