

Dr. Anthony T. Blikslager

General Information

Education

North Carolina State University Physiology	PhD	1997	Gastrointestinal
North Carolina State University	Residency	1994	Large Animal Surgery
North Carolina State University and Surgery	Residency	1991	Ruminant Medicine
University of Missouri - Columbia	Internship	1990	Equine Medicine and Surgery
Virginia-Maryland Veterinary College	DVM	1989	Veterinary Medicine
Virginia Tech	BS	1986	Biochemistry

Professional Certifications

American Gastroenterological Association	Fellow	2010
American College of Veterinary Surgeons	Diplomate	1995

Employment

2023-present	Associate Dean and Director, Veterinary Medical Services, College of Veterinary Medicine, North Carolina State University
2020-2023	Department Head, Department of Clinical Sciences, College of Veterinary Medicine, North Carolina State University
2019-2020	Assistant Department Head, Department of Clinical Sciences, College of Veterinary Medicine, North Carolina State University
2015-2018	Service Chief, Equine Medicine, Surgery, and Theriogenology, NC State Veterinary Hospital
2008-present	Professor of Equine Surgery, Department of Clinical Sciences, North Carolina State University
2006-2008	Interim Department Head, Department of Clinical Sciences, North Carolina State University
2005-2006	Assistant Department Head, Department of Clinical Sciences, College of Veterinary Medicine, North Carolina State University
2005-2008	Director, Equine Health Program, College of Veterinary Medicine, North Carolina State University
2004-2008	Associate Professor of Equine Surgery, Department of Clinical Sciences, College of Veterinary Medicine, North Carolina State University
2001-2004	Assistant Professor of Equine Surgery, Department of Food Animal and Equine Medicine, College of Veterinary Medicine, North Carolina State University
1998-2001	Research Assistant Professor of Equine Surgery, Department of Food Animal and Equine Medicine, College of Veterinary Medicine, North Carolina State University
1997-1998	Postdoctoral Fellow, Gastrointestinal Physiology, Department of Food Animal and Equine Medicine, College of Veterinary Medicine, North Carolina State University

1994-1997 Emergency Clinical Instructor, Department of Food Animal and Equine Medicine, College of Veterinary Medicine, North Carolina State University

Other Professional Activities

2023-present Standing Member, NIDDK Fellowship Review Panel, NIDDK-F
 2023 Member, USDA-AFRI Review Panel
 2023-present Chair, Research Working Group, AAEP Foundation for the Horse
 2022 Member, Special Emphasis NIDDK Fellowship Review Panel
 2022 Member, Special Emphasis NIDDK Center (DDRCC) Review Panel
 2020-2022 Member, Executive Committee, North Carolina Horse Council
 2018 Ad Hoc reviewer, Natural Sciences and Engineering Research Council of Canada
 2018 Chair, Translational Surgical Gastroenterology, ACVS Surgical Summit
 2018 Member, UNC CTSA KL2 Study Section, UNC-Chapel Hill and NC State University
 2016-2018 Chair, Veterinary Hospital Board, NC State University
 2016-2020 Associate Director, Comparative Medicine Institute, NC State University
 2016-2022 Vice Chair, Foundation Advisory Council, American Association of Equine Practitioners
 2015-2017 Member, Education Committee, American Association of Equine Practitioners
 2015-present Member, Scientific Advisory Committee, Link Equine Research Endowment, College of Veterinary Medicine and Biomedical Sciences, Texas A&M University
 2015 Ad Hoc reviewer, Fondation pour la Recherche Médicale (French Research Foundation), France
 2008-present Ad Hoc reviewer, Horserace Betting Levy Board, United Kingdom
 2014-2020 Editorial Advisory Board Member, *The Horse*, Lexington Kentucky
 2014-present Senior Advisor, Editorial Board, *Equine Veterinary Journal*, United Kingdom
 2014 Ad Hoc reviewer, Deutsche Forschungsgemeinschaft (German Research Foundation), Germany
 2014 Ad Hoc Reviewer, Petplan Charitable Trust, United Kingdom
 2014 Review Panel Member, Dube/ Ryan Research Foundation, University of Saskatchewan, Canada
 2013-2016 Regent, Board of Regents, American College of Veterinary Surgeons
 2013-present Assistant Editor, *Equine Veterinary Education*, United Kingdom
 2013 Chair, Basic and Clinical Advances in Equine Surgical Gastroenterology, ACVS Surgical Summit
 2013-2018 Editorial Board, *Veterinary Sciences*, Switzerland
 2012-2019 Editorial Board, *Tissue Barriers*, USA
 2011-2014 Editorial Board, *Equine Veterinary Journal*, United Kingdom
 2011-2015 Leader, Biological Barriers Core, Center for Comparative Medicine and Translational Research, College of Veterinary Medicine, North Carolina State University
 2010-2014 Member, Scientific Advisory Board, Grayson Jockey Club Research Foundation, USA
 2010-2018 Mentor, North Carolina State Initiative for Maximizing Student Diversity (R25 IMSD), North Carolina State University
 2010 Chair, Mechanisms and Novel Imaging Modalities of Injury and Repair in the Intestinal Epithelial Barrier, Digestive Disease Week, New Orleans

2010	Member, NIH study section "Dual Purpose with Dual Benefit: Research in Biomedicine and Agriculture Using Agriculturally Important Domestic Species" PAR-10-276
2009-2011	Deputy Editor, <i>Equine Veterinary Journal</i> , United Kingdom
2007-2020	Member, S&R Foundation Ryuji Ueno Award for Ion Channels or Barrier Function Research Selection Committee, American Physiological Society
2008-2014	Founding Member, Sucampo Advisory Panel, Sucampo Pharmaceuticals Inc., Rockville, Maryland
2008-present	Trainer, NIH T32, Comparative Medicine and Translational Research training Program, College of Veterinary Medicine, North Carolina State University
2000-present	Trainer, NIH T32, Center for Gastrointestinal Biology and Disease, University of North Carolina-Chapel Hill
2007	Guest Editor, Colic Special Issue, <i>Equine Veterinary Journal</i> , United Kingdom
2008	Member, United States Department of Agriculture, National Research Initiative Review Panel
2007-2010	Member, Editorial Review Board, <i>American Journal of Veterinary Research</i>
2007-2008	Chair, Morris Animal Foundation Large Animal Scientific Advisory Board, USA
2007	Chair, Intestinal Disorders, Digestive Disease Week, Washington DC
2006	Chair, Intestinal Ischemia, Hypoxia and Splanchnic Circulation, Digestive Disease Week, Los Angeles
2005	Chair, Oxidative Stress: Effects in the Gut Mucosa, Digestive Disease Week, Chicago
2004-2008	Member, Morris Animal Foundation Scientific Advisory Board, USA
2004	Chair, Regulation and Effects of Intestinal Inflammation, Digestive Disease Week, New Orleans
2002	Chair, Intestinal Pathophysiology Section, International Colic Symposium, Manchester, United Kingdom
2001	Chair, Gastrointestinal Section, American College of Veterinary Surgeons Symposium, Chicago
1999-present	Member, Executive Committee, Center for Gastrointestinal Biology and Disease (NIH P30 DK034987), University of North Carolina-Chapel Hill
1999-2002	Editorial Review Board, <i>American Journal of Veterinary Research</i>
1999	Chair, Basic Science Section, American College of Veterinary Surgeons Symposium, San Francisco
1997-present	Ad Hoc reviewer (veterinary journals): <i>Am J Vet Res</i> , <i>J Am Vet Med Assoc</i> , <i>Vet Surg</i> , <i>Can Vet J</i> , <i>J Equine Vet Sci</i> , <i>J Vet Pharmacol Ther</i> , <i>Res Vet Sci</i> , <i>J Vet Emerg Crit Care</i>
1997-present	Ad Hoc reviewer (basic science and human clinical journals): <i>Gut</i> , <i>Gastroenterology</i> , <i>Am J Physiol</i> , <i>J Nutrition</i> , <i>J Pharmacol Exp Ther</i> , <i>London Journal of Physiology</i> , <i>FASEB J</i>

Awards and Honors

2023	NC State Alumni Association Outstanding Research Award and inducted into the NC State Research Leadership Academy, Raleigh, NC
2020	Clinical Research Award, American Veterinary Medical Association, Schaumburg, IL
2018	Honored Mentor, American College of Veterinary Surgeons, Germantown, MD
2017	Alumni Association Distinguished Graduate Professor Award, NC State University, Raleigh, NC

2017	Ruth L. and Ned E. Huffman Leadership Award, NC State University, Raleigh, NC
2017	R. G. Thomson Lectureship, Atlantic Veterinary College, University of Prince Edward Island, Canada
2011	Applied Equine Research Award, World Equestrian Veterinary Association, Hyderabad, India
2006	Pfizer Award for Excellence in Research, College of Veterinary Medicine, North Carolina State University
2000	Outstanding Young Alumnus, Virginia-Maryland Regional College of Veterinary Medicine, Virginia Tech
1997	Leroy Coggins Award for Equine Research, College of Veterinary Medicine, North Carolina State University
1996	First Place, Graduate Student Presentation, Annual Physiology Symposium, North Carolina State University
1995	First Place, Graduate Student Presentation, Center for Gastrointestinal Biology and Disease Graduate Student Competition, University of North Carolina-Chapel Hill
1993	First place, House Officer Presentation, Annual Research Forum, College of Veterinary Medicine, North Carolina State University
1991	Outstanding Large Animal House Officer, College of Veterinary Medicine, North Carolina State University
1989	Pauline Wilson-Gunn Scholarship, for demonstrated interest in Research Surgery, Virginia-Maryland Regional College of Veterinary Medicine, Virginia Tech
1989	Herbert Stuart Memorial Senior Award, for proficiency in Equine Medicine and Surgery, Virginia-Maryland Regional College of Veterinary Medicine, Virginia Tech
1988	Phi Zeta – National Honor Society of Veterinary Medicine
1986	Magna Cum Laude, BS in Biochemistry, Virginia Tech

Diversity, Equity, Inclusion Training; Safety Training; Leadership Training

2022	Project SAFE Ally Training Online, NC State University
2022	Faculty & Staff QPR - Suicide Prevention Online Training, NC State University
2021, 2022	Educator's Pledge for Diversity, Equity, and Inclusion, College of Veterinary Medicine, NC State University
2021 University	DiversityEdu Online Training: Personal Skills for a Diverse Campus, NC State University
2021	NC State National Coalition Building Institute (NCBI) Diversity Workshop, NC State University
2021 University	Intercultural Development Inventory Online Cabinet Workshop, NC State University
2019	Leadership JumpStart Program, Grinnell Leadership, Wrightsville, NC

Professional Organization Active Memberships

1997-present	American Association of Equine Practitioners
1995-present	American College of Veterinary Surgeons
1994-present	American Physiological Society

1994-present American Gastroenterological Association
1990-present North Carolina Veterinary Medical Association
1989-present Phi Zeta
1989-present American Veterinary Medical Association

Administrative Experience

Department Head, Department of Clinical Sciences, College of Veterinary Medicine, NC State University (2020-2023).

This position reports to the Dean of the College of Veterinary Medicine. The Department is comprised of 89 faculty, including 48 Tenure Track faculty, 28 Clinical Track faculty, 2 Teaching Track faculty and 11 Research Track faculty covering all areas of small animal medicine, exotic animal medicine, equine medicine, zoological medicine, wildlife medicine, and teaching technology. These faculty are supported by 45 staff positions, including administrative staff, research technicians, and teaching technicians. The annual budget for the Department currently includes \$9.7 million in state funding, and \$2.7 million in the Veterinary Practice Plan.

Major Accomplishments:

- Developed a mechanism for hiring additional faculty in collaboration with the Hospital and the Dean's office to provide additional faculty in clinical sections particularly affected by high caseload and turnover (Soft Tissue Surgery, Equine Orthopedic Surgery).
- Recruited faculty in Cardiology, Dermatology, Equine Medicine, Medicine, Ophthalmology, Surgery, and Zoological Companion Animal Medicine (Tenure Track), Equine Surgery, and Primary Care (Clinical Track), and Pre-Clinical Skills (Teaching Track)
- Retained faculty in Behavior, Cardiology, Dentistry & Oral Surgery, Equine Medicine, Equine Surgery, Orthopedic Surgery, Soft Tissue Surgery, Orthopedic Surgery, Ophthalmology, Emergency & Critical Care, and Zoological Medicine (Tenure Track) and Equine Surgery, Equine Emergency & Critical Care, and Neurology (Clinical Track).
- Expanded the administrative structure for the Department with the appointment of an Associate Department Head to work on special projects to include accurately quantifying teaching effort, management of the budget and faculty utilization of Departmental research technicians, section planning overhaul, and provide additional oversight to sections requiring or requesting additional assistance to resolve ongoing issues.

Service Chief, Equine Medicine and Surgery, NC State Veterinary Hospital (2015-2018)
Hospital Board Chair, NC State Veterinary Hospital (2015-2018)

These positions reported to the Associate Dean and Director of Veterinary Medical Services, and included leading all equine clinical sections (Equine Medicine, Equine Orthopedic Surgery, Equine Soft tissue Surgery, Equine Theriogenology, Equine Emergency Medicine, and Equine Primary Care; 16 faculty in total) in the NC State Veterinary Hospital. Hospital Chair responsibilities including running the Board meetings on a monthly basis over 2-years, becoming familiar with all Hospital operations, including small animal services, the ruminant service, the wildlife/ zoo service, and ancillary services (radiology, surgery, and anesthesia).

Major Responsibilities and Accomplishments:

- Restructured the Equine Emergency Service by increasing the number of Clinical Veterinarians dedicated to the service from one to two, and re-arranged the services to include a tenure track faculty member rotating onto the Equine Medicine Service. Facilitated the initial organization of an ACVECC residency in collaboration with the New Bolton Center, University of Pennsylvania, initiated in July 2016.
- Restructured the Equine Orthopedic Service to rotate a Clinical Veterinarian with expertise in Equine Surgery and acupuncture onto the service, and created an Equine Orthopedics internship with an ACVSMR residency, initiated July 2017.
- Lead the NC State Reedy Creek Farm Transition Team. This is a collaboration between the College of Agriculture and Life Sciences and the College of Veterinary Medicine, in which Equine Theriogenology and Equine Primary Care will be moved from the Equine Health Center in Southern Pines NC to Reedy Creek Farm in Raleigh NC. Responsibilities are to lead the faculty through a master planning process to include a new freestanding clinical facility for theriogenology with a budget of ~\$2 million, and to plan for future structures including a teaching pavilion.
- Chair of the Equine and Food Animal Veterinary Center (EFAVC) Building Committee. This committee included a master planning process in which a complete renovation of the EFAVC and an addition of a Sports Medicine Pavilion have been designed with a projected cost of \$42 million.

Interim Department Head, Department of Clinical Sciences, College of Veterinary Medicine, NC State University (2006-2008).

This position reports to the Dean of the College of Veterinary Medicine. The Department was comprised at that time of 60 faculty, including 40 tenure track faculty and 20 clinical track faculty covering all areas of small animal medicine, exotic animal medicine, equine medicine, zoological medicine, and wildlife medicine. These faculty were supported by 30 staff positions, including administrative staff, research technicians, and teaching technicians. The annual budget for the Department, including state funds and funds from the Veterinary Practice Plan, was \$6.6 million.

Major Accomplishments:

- Developed a mechanism for hiring additional clinical track faculty to cover a rapidly expanding caseload in the small animal hospital whereby the cost was divided evenly between the Department of Clinical Sciences, the Dean, and the Associate Dean of Veterinary Medical Services. Under this system, 4 Clinical Assistant Professors were hired in Small Animal Surgery, Dentistry, Small Animal Critical Care, and Oncology respectively. One position in Equine Emergency and Critical Care remained open after a search and recruitment.
- Recruited an Assistant Professor of Ophthalmology and an Assistant Professor of Dermatology. In addition, filled one tenure track Associate Professor of Equine Surgery from a clinical track position
- Retained two tenure track Professors in Cardiology and Dermatology respectively, and one clinical track Associate Professor in Equine Surgery
- Facilitated the transfer of one tenure track Assistant Professor from the Department of Molecular & Biomedical Sciences to the Small Animal Medicine section of the Department of Clinical Sciences and one faculty member from a Veterinary Teaching Hospital position to a clinical track Professor of Behavior position in the Department of Clinical Sciences

- Developed an administrative structure for the Department comprised of four Assistant Department Heads to provide leadership in the areas Translational Research, Small Animal Medicine, Equine Medicine, and Zoo, Exotic, and Wildlife Medicine. Each Assistant Department Head managed the annual reviews of each of the faculty members in their respective sections and reported to the Department Head.

Assistant Department Head, Department of Clinical Sciences, College of Veterinary Medicine, NC State University (2005-2006). This position was the first Assistant Department Head position created in the College of Veterinary Medicine, was appointed by the Dean, and reported to the Department Head. The position included being Director of the Equine Health Program, which reported to the Dean. The Director of the Equine Health Program supervised one full time staff member, and co-directed one Development Officer.

Major Accomplishments:

- Developed an annual report including all of the faculty research activity, and an annual Equine Health Program Research Symposium open to referring veterinarians and the public.
- Actively involved in College Development activities through the Gallop of Honor campaign in which donations were used to fund research, Summer Scholars, and an annual alumni event at the American Association of Equine Practitioners annual convention. Additional Development activity included presentations at Annual Veterinary Foundation Board meetings.

Associate Director, Comparative Medicine Institute, Translational Physiology and Pharmacology Group, North Carolina State University, 2016-present

This position reports to the Director of the Comparative Medicine Institute, Dr. Jorge Piedrahita, and is designed to foster collaborations between NC State University Colleges and neighboring Universities, particularly UNC-Chapel Hill and Duke Universities, in order to develop broader translation research and greater levels of extramural funding.

Major Accomplishments:

- Developed a funding mechanism for Associate members (graduate students and postdoctoral fellows) to connect two labs using pilot funding to foster new collaborations and generate preliminary data for larger scale grants
- Developed a 'Team Science' funding mechanism to incentivize groups of investigators to develop centers, consortia, or other collaborative groups in pursuit of a larger program and the funding that would be expected to drive it
- Learned the inner working of an Institute by working with the Institute Director in monthly executive committee meetings, but also developing relationships with the Office of Research and Innovation on main campus, including inter-collegiate study sections

Leader, GI Cluster Hire, College of Veterinary Medicine, North Carolina State University, 2014

This position reported to the Dean of the College of Veterinary Medicine, and involved the recruitment of faculty in the areas of gastrointestinal stem cell biology, gastrointestinal neuroendocrine interactions, and gastrointestinal microbiome.

Major Accomplishments:

- Successfully competed for a college-wide request for proposals for hiring clusters of faculty in prominent growing areas of research. In this case, three faculty positions were proposed, and two faculty were hired in the areas of stem cell biology and neuroendocrine interactions. In addition, one targeted diversity hire resulted in an additional position in stem cell biology.

Executive Committee Member and Core Leader, Center for Biology and Gastrointestinal Disease (CGIBD), University of North Carolina-Chapel Hill and North Carolina State University. This Center is funded by an NIH P30 grant, and provides pilot funding, weekly seminars featuring invited speakers, and providing a forum for collaboration between the major Universities within the Research Triangle.

This position advises and reports to the Director of the CGIBD at UNC-Chapel Hill

Major accomplishments:

- Recruiting individuals to apply for pilot/ feasibility funding from the CGIBD from the North Carolina State University College of Veterinary Medicine, four of which have gone on to receive NIH K-awards or R01 funding.
- Successfully promoting the concept of a Large Animal Models core to the leadership of the CGIBD, and receiving an NIH P30 subcontract to fund the Core in 2014. To date the Large Animal Models Core has multiple users both within the College of Veterinary Medicine and with neighboring Universities.
- Successful development of novel models of human and veterinary digestive disease, including porcine ischemia/ reperfusion, porcine radiofrequency ablation esophageal injury, and porcine novel esophageal implant placement. The esophageal models have been developed in partnership with faculty from Duke University and UNC-Chapel Hill

Committee Service and Leadership

2023-present	Member, Research Leadership Academy, North Carolina State University
2022-present	Chair, Equine Hospital Planning Committee, College of Veterinary Medicine, North Carolina State University
2019	Chair, Search Committee for Clinical Assistant Professor of Emergency and Critical Care,
	College of Veterinary Medicine, North Carolina State University
2018-2020	Chair, Global Health Committee, College of Veterinary Medicine, North Carolina State University
2018	Member, Search Committee for Clinical Assistant Professor of Equine Orthopedics,
	College of Veterinary Medicine, North Carolina State University
2018	Member, Search Committee for Assistant Professor of Global Health, College of Veterinary Medicine, North Carolina State University
2018	Member, Alumni Distinguished Professor Selection Committee, North Carolina State University
2017-present	Chair, Research Subcommittee, The Foundation for the Horse, American Association of Equine Practitioners
2017-2018	Member, CVM International Programs ad hoc Committee, College of Veterinary Medicine, North Carolina State University
2016-2018	Chair, NC State Veterinary Hospital Board, College of Veterinary Medicine, North Carolina State University

2016-2020	Member, North Carolina Veterinary Conference Committee, NC State Veterinary Board and College of Veterinary Medicine, North Carolina State University
2015-2019	Team Leader, NC State Reedy Creek Farm Transition Team, College of Veterinary Medicine, North Carolina State University
2015	Chair, Equine and Food Animal Veterinary Center Building Committee, College of Veterinary Medicine, North Carolina University
2014-2015	Member, Chancellor's Faculty Excellence Program Selection Committee, North Carolina State University
2014-2015	Member, Search Committee for Director of Global Health Education, Department of Population Health and Pathobiology, College of Veterinary Medicine, North Carolina State University
2014-2016	Member, Educational Programs Committee, American Association of Equine Practitioners
2014-2016	Member, Strategic Faculty Hiring Committee, College of Veterinary Medicine, North Carolina State University
2013	Member, Search Committee for Faculty Equine Internist, Department of Clinical Sciences, North Carolina State University
2014-2015	Member, Peer Teaching Evaluation Committee, Department of Clinical Sciences, North Carolina State University
2013-2015	Member, Committee for selection of Faculty Scholars, College of Veterinary Medicine, North Carolina State University
2013, 2015	Chair, Search Committee for Faculty Theriogenologist, Department of Clinical Sciences College of Veterinary Medicine, North Carolina State University,
2013	Member, Search Committee for Faculty Equine Surgeon, Department of Clinical Sciences, College of Veterinary Medicine, North Carolina State University
2011-present	Member, International Programs Committee, College of Veterinary Medicine, North Carolina State University
2011-present	Co-Chair, Faculty Committee on Research Space Allocation and Management, College of Veterinary Medicine, North Carolina State University
2009-2012	Member, North Carolina Veterinary Conference Organizing Committee
2010	Chair, Search Committee for Laboratory Animal Resources Veterinarian, College of Veterinary Medicine, North Carolina State University
2009-2011 University	Member, Institutional Animal Care and Use Committee, North Carolina State University
2008-2015	Leader, Biological Barriers Core, Center for Comparative Medicine and Translational Research, North Carolina State University
2006-2009	Equine Program Director, ACVS Annual Symposium
2007-2020	Member, Ueno Award Selection Committee, American Physiological Society
2007	Member, Interdisciplinary Graduate Programs Task Force, NC State University
2007	Member, Nutrition Program Review Team, North Carolina State University
2006-2007	Member, Veterinary Faculty Practice Plan Oversight Committee
2006-2007	Member, Terry Center Executive Committee, College of Veterinary Medicine
2006-2008	Member, Equine Research Coordination Group, AAEP
2005-2006	Leader, Mucosal Pathophysiology Core, Center for Comparative Medicine and Translational Research, North Carolina State University
2005-2006	Co-Leader, Clinician Scientist Focus Area, North Carolina State University College of Veterinary Medicine
2005-2006	Member, Information Technology Committee
2005-2006	Member, Search Committee, Department Head, Department of Clinical Sciences, North Carolina State University

2005-2006	Member, Search Committee, University Attending Veterinarian, North Carolina State University
2005	Co-Chair, American College of Veterinary Surgeons, Diplomate Resort Meeting
2004-2006	Member, UVIS Steering Committee, North Carolina State University College of Veterinary Medicine
2004-2006	Member, Research Committee, North Carolina State University College of Veterinary Medicine
2004	Member, North Carolina State University Task Force, Lab Animal Resources
2003-2004	Member, Search Committee, DoCS Assistant Professor of Equine Orthopedics, North Carolina State University
2003	Member, Search Committee, MBS Assistant Professor of Gastrointestinal Physiology, North Carolina State University
2002-2005	CVM Co-Chair, Physiology Program, North Carolina State University
2003-2004	Member, Diplomate Resort Meeting Committee, American College of Veterinary Surgeons
2001-2005	Member, Residency and Credentialing Committee, American College of Veterinary Surgeons
2002-2006	Member, University Veterinary Information System (UVIS) Steering Committee, North Carolina State University, College of Veterinary Medicine
2001-2003	Member, Faculty Committee on Graduate Stipends, College of Veterinary Medicine, North Carolina State University,
2000-2001	Chair, North Carolina Veterinary Conference Equine Section, College of Veterinary Medicine, North Carolina State University
2001	Member, Hospital Morale Team, College of Veterinary Medicine, North Carolina State University
2000	Equine surgery representative, Veterinary Teaching Hospital Building Feasibility Team, College of Veterinary Medicine, North Carolina State University,
1998-present	Member, Executive Committee of the Center for Gastrointestinal Biology and Disease, University of North Carolina-Chapel Hill and North Carolina State University
1998-2000	Team Leader, Hospital Inpatient Processing Team, College of Veterinary Medicine, North Carolina State University
1997-2002	Area Coordinator for Equine Surgery, Teaching Hospital Information System, College of Veterinary Medicine, North Carolina State University
1997-1998	Chairman, Ad Hoc Department Committee on Support Services, College of Veterinary Medicine, North Carolina State University
1994-1996	Member, Continuous Quality Improvement Anesthesia Team, College of Veterinary Medicine, North Carolina State University
1990-1993	Member, Laboratory Animal Resources Committee, North Carolina State University College of Veterinary Medicine
1992-1993	Member, Faculty Committee on Graduate and Research Programs, College of Veterinary Medicine, North Carolina State University

Original Works in Peer-Reviewed Journals (last author indicates senior author)

Total Citations 1990-2023: 11,186 (Last 5-years, 4255)

h-Index: 57 (Last 5-years, 29)

1. Ziegler AL, Caldwell ML, Erwin SJ, Hellstrom EA, Sheridan AE, Touvron MS, Pridgen TA, Magness ST, Odle J, Van Landeghem L, **Blikslager AT**. Enteric Glial Cell Network Function is Required for Epithelial Barrier Restitution following Intestinal Ischemic Injury in the Early Postnatal Period. *Am J Physiol Gastrointest Liver Physiol*. 2023 doi: 10.1152/ajpgi.00216.2022. Online ahead of print.
2. Hepworth-Warren KL, Erwin SJ, Moore CB, Talbot JR, Young KAS, Neault MJ, Haugland JC, Robertson JB, **Blikslager AT**. Risk factors associated with an outbreak of equine coronavirus at a large farm in North Carolina. *Front Vet Sci* 2023;10:1060759
3. Ruff J, Zetterstrom S, Boone L, Hofmeister E, Smith C, Epstein K, **Blikslager A**, Fogle C, Burke M. Retrospective analysis of postoperative complications following surgical treatment of ileal impaction in horses managed with manual decompression compared to jejunal enterotomy. *Front Vet Sci* 2023;10:1156678
4. Rivera KR, Bliton RJ, Burclaff J, Czerwinski MJ, Liu J, Trueblood JM, Hinesley CM, Breau KA, Joshi S, Pozdin VA, Yao M, Ziegler AL, **Blikslager AT**, Daniele MA, Magness ST. A new microphysiological system shows hypoxia primes human ISCs for interleukin-dependent rescue of stem cell activity. *Cell Mol Gastroenterol Hepatol* 2023;16:823-846
5. Cortes LM, Brodsky D, Chen C, Pridgen T, Odle J, Snider DB, Cruse G, Putikova A, Masuda MY, Doyle AD, Wright BL, Dawson HD, **Blikslager A**, Dellon ES, Laster SM, Käser T. Immunologic and pathologic characterization of a novel swine biomedical research model for eosinophilic esophagitis. *Front Allergy* 2022;3:1029184
6. Erwin SJ, Clark ME, Dechant JE, Aitken MR, Hassel DM, **Blikslager AT**, Ziegler AL. Multi-Institutional Retrospective Case-Control Study Evaluating Clinical Outcomes of Foals with Small Intestinal Strangling Obstruction: 2000-2020. *Animals (Basel)*. 2022; 12:1374.
7. Slifer ZM, Hernandez L, Pridgen TA, Carlson AR, Messenger KM, Madan J, Krishnan BR, Laumas S, **Blikslager AT**. Larazotide acetate induces recovery of ischemia-injured porcine jejunum via repair of tight junctions. *PLoS One* 2021;16:e0250165
8. Enomoto H, Yeatts J, Carbajal L, Krishnan BR, Madan JP, Laumas S, **Blikslager AT**, Messenger KM. In vivo assessment of a delayed release formulation of larazotide acetate indicated for celiac disease using a porcine model. *PLoS One* 2021;16:e0249179
9. Prasher A, Shrivastava R, Dahl D, Sharam-Hyunh P, Maturavongsadit P, Pridgen T, Shcorzman A, Zamboni W, Ban J, **Blikslager A**, Dellon E, Benhabbour SR. Steroid Eluting Esophageal-Targeted Drug Delivery Devices for Treatment of Eosinophilic Esophagitis. *Polymers* 2021;13:557
10. **Blikslager AT**, Mair TS. Trends in the management of horses referred for evaluation of colic: 2004-2017. *Equine Vet Educ*. 2021;33:192-197
11. Fogle C, Davis J, Yechuri B, Cordle K, Marshall J, **Blikslager A**. Ex vivo COX-1 and COX-2 inhibition in equine blood by phenylbutazone, flunixin meglumine, meloxicam and firocoxib: informing clinical NSAID selection. *Equine Vet Educ*. 2021;33:198-207
12. Gonzalez LM, Baker WT, Hughes FE, **Blikslager AT**, Fogle CA. Comparison of histomorphometric characteristics of dorsal colon and pelvic flexure biopsy specimens obtained from horses with large colon volvulus that underwent resection. *Am J Vet Res*. 2020;81:899-903.
13. Ziegler AL, Pridgen TA, **Blikslager AT**. Environmental stressors affect intestinal permeability and repair responses in a pig intestinal ischemia model. *Tissue Barriers* 2020;8:1832421
14. Krüger L, Pridgen TA, Taylor ER, Garman ES, **Blikslager AT**. Lubiprostone protects esophageal mucosal from acid injury in porcine esophagus. *Am J Physiol Gastrointest Liver Physiol*. 2020;3218:G613-G623

15. Plundrich NJ, Smith AR, Borst LB, Snider DB, Kaeser T, Dellon ES, **Blikslager AT**, Odle J, Lila MA, Laster SM. Oesophageal eosinophilia accompanies food allergy to hen egg white protein in young pigs. *Clin Exp Allergy* 2020;50:95-104.
16. Mitchell RD, DaSilva DD, Rosenbaum CF, **Blikslager AT**, Edwards RB. Ultrasound findings in tendons and ligaments of lame sport horses competing or training in South Florida venues during the winter seasons of 2007 through 2016. *Equine Vet Educ* 2021;33:306-309
17. Gonzalez LM, Stieler Stewart A, Freund J, Renee Kucera C, Dekaney CM, Magness ST, **Blikslager AT**. Preservation of reserve intestinal epithelial stem cells following severe ischemic injury. *Am J Physiol Gastrointest Liver Physiol*. 2019;316:G482-G494, **Selected as an APS Select Article, April 2019**
18. Manship AJ, **Blikslager AT**, Elfenbein JR. Disease features of equine coronavirus and enteric salmonellosis are similar in horses. *J Vet Intern Med*. 2019;33:912-917
19. Ziegler AL, Freeman CK, Fogle CA, Burke MJ, Davis JL, Cook VL, Southwood LL, **Blikslager AT**. Multicentre, blinded, randomised clinical trial comparing the use of flunixin meglumine with firocoxib in horses with small intestinal strangulating obstruction. *Equine Vet J*. 2019;51:325-33
20. Jin Y, Ibrahim DR, Magness ST, **Blikslager AT**. Knockout of CIC-2 reveals critical functions of adherens junctions in colonic homeostasis and tumorigenicity. *Am J Physiol Gastrointest Liver Physiol*. 2018;315:G966-G979
21. Ziegler A, Pridgen TA, Mills JK, Gonzalez LM, Van Landeghem L, Odle J, **Blikslager AT**. Epithelial restitution defect in neonatal jejunum is rescued by juvenile mucosal homogenate in a pig model of intestinal ischemic injury and repair. *PLoS One* 2018;13:e0200674
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3. Erwin SJ, Odle J, Van Landeghem L, **Blikslager AT**, Ziegler AL. iDISCO Highlights Postnatal Changes in Enteric Glial Network Development in a Comparative Pig Model. Poster Abstract. CGIBD Annual Research Competition. Chapel Hill, NC, USA, June 2022.
4. Hellstrom EA, Ziegler AL, **Blikslager AT**. Indications of Enteric Glial IL-1 Signaling in Equine Postoperative Ileus. Poster Abstract. CGIBD Annual Research Competition. Chapel Hill, NC, USA, June 2022.

5. Caldwell ML, Van Landeghem L, **Blikslager AT**, Ziegler AL. Enteric Glia Enhance Epithelial Cell Restitution In Vitro Following Exposure to Sterile Luminal Contents. Poster Abstract. CGIBD Annual Research Competition. Chapel Hill, NC, USA, June 2022.
6. Ziegler AL, Deck CA, Caldwell ML, Pridgen TA, Rose EC, Sheridan AE, Erwin SJ, Wieland BA, Hattenhauer AR, Mariant C, Van Landeghem LC, Odle J, **Blikslager AT**. Dietary Oligosaccharides Differentially Modulate Microbiome, Enteric Glia, and Epithelial Barrier Function in the Neonatal Jejunum and Colon. Experimental Biology, Philadelphia, PA, May 2022
7. Kandakatla A, Martinez-Urbe O, Karlovich N, Harbrecht M, Hellstrom E, Singh S, Ziegler AL, Becker T, Varadan V, **Blikslager AT**, Garman KS. The effect of cyclooxygenase (COX)-2 on esophageal submucosal gland (ESMG) acinar ductal metaplasia. Gastroenterology 2021;160:S-240
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9. Caldwell ML, Van Landeghem L, **Blikslager AT**, Ziegler AL. Glial cell inhibitor fluoroacetate suppresses enteric glial cell activity marker GFAP in ischemia-injured porcine small intestine. Poster Abstract. FASEB Gastrointestinal Tract XIX. Steamboat Springs, CO, August 2021
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11. Ziegler AL, Deck CA, Caldwell ML, Pridgen TA, Rose EC, Sheridan AE, Erwin SJ, Wieland BA, Hattenhauer AR, Van Landeghem LC, Odle J, **Blikslager AT**. Dietary Oligosaccharides Modulate Microbiome, Enteric Glia, and Epithelial Barrier Function in the Early Postnatal Period. FASEB: Gastrointestinal Tract XIX, Steamboat Springs, CO, August 2021
12. Ziegler AL, Caldwell ML, Sheridan AE, Pridgen TA, Odle J, L. Van Landeghem, **Blikslager AT**. An age-dependent, rescuable defect in intestinal barrier repair is associated with an immature enteric glial network in a neonatal pig model of small intestinal strangulating obstruction. Oral Abstract, International Colic Symposium, September 2021.
13. Erwin SJ, Dechant JE, Hassel D, Ziegler AL, **Blikslager AT**. Multi-institutional retrospective case control study evaluating clinical outcomes of neonatal equine patients undergoing surgical correction of strangulating lesions of the small intestine: 2000-2019. Oral Abstract, International Colic Symposium, September 2021
14. Erwin SJ, Odle J, Van Landeghem L, **Blikslager AT**, Ziegler AL. iDISCO highlights postnatal changes in enteric glial network development in a comparative pig model. Poster Abstract, Gastronomists Global, May 2021
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21. Erwin SE, Touvron M, Odle J, Van Landeghem L, **Blikslager AT**, Ziegler AL. iDISCO allows complete visualization and analysis of postnatal enteric nervous system development in a comparative pig model. Poster Abstract, Experimental Biology, San Diego, CA, April 2020
22. Sheridan AE, Pridgen TA, Odle J, Van Landeghem L, **Blikslager AT**, Ziegler AL. A Glial Cell Inhibitor Blocks Epithelial Barrier Repair in a Pig Model of Intestinal Ischemia. Poster Abstract, Experimental Biology, San Diego, CA, April 2020
23. Ziegler AL, Pridgen T, Odle J, Van Landeghem L, Magness S, **Blikslager AT**. Rescue of restitution defect in a neonatal pig intestinal ischemia model is associated with a developing enteric glial network. *Gastroenterology* 2019;156:S709
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25. Jin Y, Popper C, Madan J, Laumas S, Radhakrishnan B, **Blikslager AT**. Identification of genes and pathways regulated with larazotide acetate to protect intestinal barrier function anoxia/ reoxygenation injury by RNA-Seq analysis. World Congress of Gastroenterology, Istanbul, Turkey, September 2019.
26. Ziegler AL, Pridgen TA, Sheridan A, Odle J, Magness ST, Van Landeghem L, **Blikslager AT**. Suckling piglets have a rescuable defect in intestinal barrier repair associated with an immature glial cell network. Conference for research Workers in Animal Disease, Chicago, November 2019
27. **Blikslager A**. Are we treating equine colic patients with the optimal nonsteroidal anti-inflammatory drug (and do NSAIDs increase survival?). International Dorothy Havemeyer Foundation Workshop: Focus on Colic, *Eq Vet Educ* 2019;31(S9):7
28. Gerard MP, Glyphis Z, Crawford C, **Blikslager AT**, Marais J. Anatomy of the nasalconchal sinus of the white rhinoceros (*Ceratotherium simum*). *Anat Histol Emryol* 2019;48:14
29. Boger K, **Blikslager A**, Madan J, Krishnan R, Jin Y. Establishment and characterization of a leaky porcine jejunal cell line grown as a 2-dimensional monolayer using crypt culture media and their response to the tight junction agent larazotide acetate. FASEB: The Gastrointestinal Tract XVIII Conference, Steamboat Springs, CO, August 2019
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39. Ziegler AL, Pridgen TA, Gonzalez LM, Odle J, **Blikslager AT**. Neonates have reduced epithelial wound healing that is rescued by juvenile mucosal homogenate. CGIBD - UNC Annual Research Competition, Chapel Hill, NC, May 2018
40. Ziegler AL, Pridgen TA, Gonzalez LM, Odle J, **Blikslager AT**. Neonates have reduced epithelial wound healing that is rescued by juvenile mucosal homogenate. Graduate Research Symposium, NC State University, Raleigh, May NC, 2018 **Second Place, Veterinary Student Oral Presentation.**
41. Ziegler AL, Pridgen TA, Van Landeghem L, Gonzalez LM, Odle J, **Blikslager AT**. Neonatal defect in subacute barrier repair is rescued by juvenile mucosal homogenate in a pig model of intestinal ischemia and repair. AVMA/AVMF Young Investigator Award Competition, College Station, TX, USA, August 2018. **First Place Oral Abstract.**
42. Jin Y, **Blikslager AT**. Genetic Absence of CIC-2 Hastens Progression of Colitis-associated Colorectal Cancer via Dysregulation of Adherens Junctions. World Veterinary Congress, Incheon, South Korea, September 2017
43. Slifer ZM, Pridgen TA, Taylor ER, **Blikslager AT**. Intestinal Na⁺/H⁺ exchangers play a key role in recovery of barrier function following intestinal ischemic injury. FASEB: Gastrointestinal Tract XVII, Steamboat Springs, CO, 2017
44. Ziegler AL, Pridgen TA, Gonzalez LM, Odle J, **Blikslager AT**. Neonates have reduced epithelial wound healing associated with fewer enteric glial cells as compared to juveniles in a pig model of intestinal ischemic injury and repair. FASEB: Gastrointestinal Tract XVII, Steamboat Springs, CO, 2017
45. Ziegler A, **Blikslager AT**. Randomized control trial comparing flunixin and firocoxib in equine strangulating obstruction. 12th International Equine Colic Research Symposium Lexington, KY, 2017
46. **Blikslager AT**, Mair TS. Trends in management of horses referred for evaluation of colic: 2004-2016. 12th International Equine Colic Research Symposium Lexington, KY, 2017
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51. Ziegler A, Odle J, **Blikslager AT**. Neonates have reduced ability to repair jejunal mucosal injury as compared to juveniles in a pig model of intestinal ischemia/ reperfusion injury. CVM Research Forum 2016
52. Simpson S, Gonzalez L, Chung J, **Blikslager A**, Magness S, Piedrahita J. An improved large animal model for the study of adult stem cells. Reproduction, Fertility and Development 2015;28: 143-143
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57. Lima H, Jacobi S, Man C, Walker K, Sommer J, Flowers W, **Blikslager A**, Xi L, Odle J. Effects of methylating vitamins and docosahexaenoic acid supplementation on intra-uterine growth retardation in a feed-restricted swine model. FASEB J 2014;28:1
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59. Jin, Y, **Blikslager AT**. Lubiprostone protects against murine colitis principally in a CLC-2 dependent manner. CVM Research Forum 2014.
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61. **Blikslager AT**, Mair TS. Trends in management of horses referred for evaluation of colic: 2004-2013. 11th International Equine Colic Research Symposium Dublin, Ireland, 2014
62. Kinnin-Smith LS, Gonzalez LM, **Blikslager AT**. Stem cells are retained in reduced numbers in equine strangulated small intestine. 11th International Equine Colic Research Symposium Dublin, Ireland, 2014

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70. Gonzalez L, Williamson I, Piedrahita J, **Blikslager AT**, Magness S. A translational porcine model of intestinal stem cells. Digestive Disease Week, Orlando FL, 2013.
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72. Jin Y, **Blikslager AT**. Hypoxic injury induced increases in intestinal permeability via disruption of sealing tight junction proteins, but not pore forming tight junction proteins in human intestine epithelial C2BB₁ cell. Experimental Biology, Boston, MA 2013
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74. Hill TL, **Blikslager AT**, Lascelles D. Misoprostol Protects Gastric Barrier Function After Acid Injury in an Ex Vivo Canine Model. Digestive Disease Week, San Diego CA, 2012
75. Nighot MP, Ueno R, **Blikslager AT**. The CLC-2 Agonist SPI-0811 Protects Against Indomethacin-Induced Epithelial Barrier Dysfunction in Human Gastric Epithelial Cells. Digestive Disease Week, San Diego CA, 2012
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77. Hill T, **Blikslager AT**. Indomethacin Decreases Recovery of Gastric Barrier Function after Acid Injury in a Novel Ex Vivo Canine Model. 7th Annual NC State University Research Graduate Student Symposium 2012
78. Gonzalez LM, Magness S, Piedrahita J, **Blikslager AT**. Development of a large animal model for translational studies of intestinal disease focusing on intestinal stem cells. College of Veterinary Medicine Annual Research Forum 2012
79. Altman JA, **Blikslager AT**, Kopp KJ. Recurrent colic, acute and chronic: evaluation of 30 cases included in a clinical field study of 144 horses with digestive disorders. 10th Equine Colic Research Symposium 2011
80. Davis W, Fogle CA, Gerard MP, **Blikslager AT**. A retrospective analysis of return to function following colic surgery in 195 cases (2003-2010). 10th Equine Colic Research Symposium, Indianapolis IN, 2011

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85. Nighot MP, **Blikslager AT**, Nighot PK. The chloride channel CLC-2 is involved in organization of murine gastric glands. Digestive Disease Week, Chicago, IL 2011
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87. Brown MA, **Blikslager AT**. Hypoxia Disrupts Recovery of Injured Non-Transformed Small Intestinal Cells, but Not Transformed Cells. Digestive Disease Week, Chicago, IL 2011
88. Hill TL, **Blikslager AT**. Indomethacin decreases recovery of gastric barrier function after acid injury in a novel ex vivo canine model. Digestive Disease Week, Chicago, IL 2011
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92. Hill T, **Blikslager AT**. A model of acid-induced injury in the canine stomach. ACVIM Forum 2010
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96. Marshall J, **Blikslager AT**. Indomethacin impedes recovery from hypoxia-reoxygenation in Caco-2 cells. Digestive Disease Week 2010
97. Nighot MO, Nighot PK, Ueno R, **Blikslager AT**. Cobiprostone prevents indomethacin-induced gastric epithelial barrier dysfunction. CVM Research Forum 2010
98. Miller C, Hill T, **Blikslager AT**. The influence of aspirin, deracoxib, and acid on canine gastric mucosa. CVM Research Forum 2010
99. Howard CM, Marshall JF, Redding C, **Blikslager AT**. The in vitro COX-1/COX-2 selectivity of flunixin meglumine, deracoxib, and robenacoxib in equine whole blood. CVM Research Forum 2010
100. Skorich DA, Marshall JF, **Blikslager AT**. Effect of cyclooxygenase inhibitor robenacoxib on in-vitro permeability and recovery of ischemic-injured equine jejunum. CVM Research Forum 2009.
101. Cook V, Jones JJ, McDowell M, Campbell N, Davis J, **Blikslager AT**. Attenuation of ischaemic injury in equine jejunum by systemic administration of lidocaine. International Equine Colic Research Symposium, Liverpool, UK, 2008

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103. Sheats MK, Cook VL, Jones SL, **Blikslager AT**, Pease AP. The use of ultrasound to evaluate outcome following colic surgery for equine large colon volvulus. International Equine Colic Research Symposium, Liverpool, UK, 2008
104. Morton AJ, Grosche A, Rötting AK, **Blikslager AT**. Induction of cyclooxygenase 2 in ischaemic-injured equine left dorsal colon. International Equine Colic Research Symposium, Liverpool, UK, 2008
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106. Rivier LH, **Blikslager AT**. Black walnut extract inhibits secretory pathways in equine cecum and colon via mechanisms that overlap with cyclooxygenase signaling. Experimental Biology, 2009
107. Nighot M, Nighot P, Roerig B, Ueno R, Moeser AJ. Gastro-protective Properties of Cobiprostone against Acid-induced Mucosal Injury in Porcine **Blikslager AT** Gastric Mucosa, Experimental Biology 2009
108. Moeser AJ, Overman EL, **Blikslager AT**. Mast Cells Mediate Stress-Induced Breakdown in Mucosal Barrier Function in a Porcine Model of Irritable Bowel Syndrome, Experimental Biology 2009
109. Morris N, Marshall J, **Blikslager AT**. The effect of robenacoxib and flunixin meglumine on the expression and function of cyclooxygenase in ischemic injured equine jejunum. CVM Research Forum 2009.
110. Cook V, Meyer C, Campbell N, **Blikslager AT**. Effect of firocoxib or flunixin meglumine on recovery of ischemic-injured equine jejunum. American College of Veterinary Surgeons Symposium 2008
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114. Nighot PK, Moeser AJ, Ryan KA, Melvin J **Blikslager AT**. CIC-2 Knockout Mice have Impaired Post-Ischemic Intestinal Barrier Recovery. Digestive Disease Week 2007
115. Wooten JG, **Blikslager AT**, Ryan KA, Marks SL, Lascelles BDX. Effect of deracoxib, a selective cyclooxygenase (COX) 2 inhibitor, on COX protein and prostanoid levels in canine pyloric and duodenal mucosa. Digestive Disease Week 2007
116. Wooten JG, **Blikslager AT**, Ryan KA, Marks SL, Lascelles BDX. Effect of deracoxib, a selective cyclooxygenase (COX) 2 inhibitor, on COX protein and prostanoid levels in canine pyloric and duodenal mucosa. American College of Veterinary Internal Medicine Forum 2007
117. Moeser AJ, Ryan KA, **Blikslager AT**. Early Weaning Activates Mast Cell Signaling Pathways in a Porcine Model of IBS. Digestive Disease Week 2007
118. Cook V, Marsha M, Shults J, Campbell N, Davis J, **Blikslager AT**. Attenuation of Ischemic Injury in Equine Jejunum by Administration of Systemic Lidocaine. Digestive Disease Week 2007

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120. Marshall JF, Little D, Cook VL, Moll HD, **Blikslager AT**. Evaluation of the in vivo use of lidocaine to attenuate ischaemia-reperfusion injury in equine jejunum. American College of Veterinary Surgeons Symposium 2006
121. Little D, Brown SA, Campbell NB, Davis J, Moeser AJ, **Blikslager AT**. The Effects of the cyclo-oxygenase inhibitors meloxicam and flunixin meglumine on recovery of ischemia-injured equine jejunum. British Equine Veterinary Association Annual Convention, Birmingham, UK, 2006.
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124. Moeser AJ, Nighot PK, Clarke LL, **Blikslager AT**. Intestinal barrier repair is impaired following ischemic injury in NHE2-deficient mice. Digestive Disease Week 2006
125. Moeser AJ, Engelke K, Perentesis G, Ueno R, Wooten JG, **Blikslager AT**. Novel Agonist of the ClC-2 Chloride Channel, SP-0211. World Congress of Gastroenterology Montreal, Canada, 2005
126. Moeser AJ, Engelke K, Perentesis G, Ueno R, Wooten JG, **Blikslager AT**. Recovery of Mucosal Barrier Function in Ischemic Porcine Ileum and Colon is stimulated by a novel agonist of the ClC-2 chloride channel, SP-0211. Digestive Disease Week 2005
127. Fogle C, Gerard MP, Elce Y, Little D, Morton A, **Blikslager AT**. Association of CBMC and Seprafilm® with postoperative factors in horses with small intestinal surgery. American Association of Equine Practitioners Equine Colic Focus Meeting, Quebec, Canada, 2005
128. Frederico LM, Jones SL, **Blikslager AT**. Predisposing factors for small colon impaction in horses and outcome of medical and surgical treatment: 44 cases (1999-2004). American Association of Equine Practitioners Equine Colic Focus Meeting, Quebec, Canada, 2005
129. Little D, Wooten JG, **Blikslager AT**. Role of PKC and ROCK in prostaglandin-induced recovery of barrier function in ischemia-injured porcine ileum. Digestive Disease Week 2005
130. Shifflett DE, Jones SL, **Blikslager AT**. PGE₂ induces increases in transepithelial resistance via tyrosine phosphorylation of claudin-1 and a shift in claudin-1 to the region of the tight junction in T84 cells. Digestive Disease Week 2005
131. Corl B, Rhoads M, Harrell RJ, **Blikslager AT**, Phillips OT, Gatlin LA, Niu XN, Odle J. Rotaviral enteritis stimulates ribosomal p70 s6 kinase and increases intestinal protein synthesis in neonatal pigs. National Meeting of the American Society of Animal Science 2005
132. Holder KL, Little D, **Blikslager AT**. Effects of Meloxicam on the Permeability of the Equine Jejunum after Ischemia. 14th Annual North Carolina State University Research Symposium 2005
133. Belknap JK, **Blikslager AT**. Laminar COX-1 and COX-2 protein expression in the developmental stage of laminitis: a case for use of COX-2 selective inhibitors? American College of Equine Veterinary Practitioners Annual Convention 2004
134. Little D, White CE, Young, KM, **Blikslager AT**. Bile wasting in horses following small intestinal resection. British Equine Veterinary Association Congress, Birmingham, UK, 2004

135. Little D, Tomlinson J, **Blikslager AT**. Postoperative neuromuscular inflammation of the equine small intestine. British Equine Veterinary Association Congress, Birmingham, UK, 2004
136. Moeser AJ, **Blikslager AT**. NHE-2 blockade restores barrier function in ischemia-injured intestines. Digestive Disease Week 2004
137. Moeser AJ, **Blikslager AT**. Recovery of barrier function in ischemic porcine ileum is attributable to ClC-2 chloride channels localized to tight junctions. Digestive Disease Week 2004
138. Shifflett DE, Jones SL, **Blikslager AT**. PGE₂ induces increases in TER and a shift in claudin-1 via secretory pathways in human colonic T84 cells. Digestive Disease Week 2004
139. Tomlinson JT, **Blikslager AT**. Effect of the cyclooxygenase inhibitor flunixin on LPS passage across ischemic-injured equine jejunum. American College of Veterinary Surgeons Symposium 2004
140. Tomlinson JT, **Blikslager AT**. Mucosal recovery from ischemic injury in wildtype and COX-2 knockout mice. Digestive Disease Week 2004
141. Tomlinson JT, Young KM, **Blikslager AT**. Role of cyclooxygenase inhibitors in healing of ischemic-injured jejunum. American College of Veterinary Surgeons Symposium 2003
142. Moeser AJ, **Blikslager AT**. Tight junctional chloride secretion is required for recovery of barrier function in ischemic-injured porcine ileum. Digestive Disease Week 2003
143. Cole JT, Young KM, **Blikslager AT**. Glucose and glutamine impair intestinal recovery following ischemic injury (abstract). Digestive Disease Week 2003
144. Shifflett DE, Jones SL, Young KM, **Blikslager AT**. The role of mitogen activated protein kinase (MAPK) pathways in recovery of ischemic-injured porcine ileum. Digestive Disease Week 2003
145. Moeser AJ, **Blikslager AT**. Prostaglandin-induced chloride secretion mediates recovery of barrier function in injured pig ileum. American Association of Swine Veterinarians Annual Meeting 2003
146. Morton AJ, Young KM, Campbell NB, Gayle JM, Redding WR, **Blikslager AT**. Equine synovitis: the role of cyclooxygenase-2. American College of Veterinary Surgeons Symposium 2002
147. Little D, Dean RA, Young KM, Jones SL, **Blikslager AT**. Phosphatidylinositol-3-kinase (PI3K) signaling is required for prostaglandin-induced mucosal recovery in ischemia-injured porcine ileum. Equine Colic Symposium 2002
148. Gayle J, Jones SL, Argenzio RA, **Blikslager AT**. Neutrophils increase paracellular permeability of restituted ischemic-injured porcine ileum. Equine Colic Symposium 2002
149. Campbell NB, Jones SL, **Blikslager AT**. The effects of cyclooxygenase inhibitors on bile-injured and normal equine colon. Equine Colic Symposium 2002
150. Morton AJ, **Blikslager AT**. Surgical and postoperative factors influencing short-term survival of horses following small intestinal resection: 92 cases (1994-2001). Equine Colic Symposium 2002
151. Little D, **Blikslager AT**. Factors associated with development of ileal impaction in horses with surgical colic: 78 cases (1986-2000). Equine Colic Symposium 2002
152. **Blikslager AT**, Zimmel DN, Young KM, Campbell NB, Little D, Argenzio RA. Recovery of ischemic-injured porcine ileum: evidence for a contributory role of COX-1 and COX-2. Equine Colic Symposium 2002
153. Shifflett DE, Jones SL, Young KM, **Blikslager AT**. Neutrophils augment recovery of ischemic-injured ileal mucosa by an IL-1 α and COX-2 dependent mechanism. Equine Colic Symposium 2002

154. Sellon DC, Roberts MC, **Blikslager AT**, Ulibarri C. Effects of continuous intravenous infusion of butorphanol in horses after exploratory celiotomy. Equine Colic Symposium 2002
155. Hunt EL, **Blikslager AT**, Guerrant RL, Rhoads JM, Argenzio RA. Compensatory increases in glutamine transport in bovine cryptosporidiosis. Digestive Disease Week 2001
156. Campbell N, Jones SL, **Blikslager AT**. The role of NSAIDs in recovery of bile-injured colon. American College of Veterinary Medicine Forum 2001
157. Little D, **Blikslager AT**, Redding WR. Risk factors for reduced postoperative fecal output in horses: 37 cases (1997-1998). American College of Veterinary Surgeons Symposium 2000
158. Sinha AK, **Blikslager AT**, Tate LP, Love NE, Thomas HF. Disorders of the equine head: impact of computed tomography on surgical decision making. American College of Veterinary Surgeons Symposium 2000
159. Gayle JM, **Blikslager AT**. Neutrophils disrupt repair of ischemic injured ileum by a superoxide independent mechanism. American College of Veterinary Surgeons Symposium 2000
160. Campbell N, **Blikslager AT**. Bile salts inhibit recovery of ischemic-injured porcine ileum. American College of Veterinary Medicine Forum 2000
161. **Blikslager AT**, Pell S, Young KM. Synergistic signaling via cAMP and Ca^{2+} -coupled EP receptors is required for PGE_2 -triggered recovery of intestinal barrier function. Digestive Disease Week 2000
162. Rhoads JM, Argenzio RA, **Blikslager AT**, Chen WN. Glutamine protects intestinal cells via heat shock protein (hsp)-dependent and metabolic effects. Pediatric Academic Societies Annual Meeting 1999
163. Hunt E, Argenzio R, **Blikslager AT**. New therapies for calf diarrhea: therapy and prevention for the new millennium. Convention of the Association of Bovine Practitioners 1999
164. Ange KD, Eisemann JH, Argenzio RA, **Blikslager AT**. Proximal pH changes in the porcine stomach in response to buffers in the water supply. Annual Meeting of the American Association of Animal Science 1999
165. Hunt E, **Blikslager AT**, Armstrong M, Argenzio R. Glutamine/ somatostatin therapy increases gut absorption in bovine *Cryptosporidium parvum* infection. American College of Veterinary Medicine Forum 1999
166. Berschneider HM, **Blikslager AT**, Roberts MC. Pathophysiology of equine gastric ulcers: effect of feeding frequency on gastric acid and bile salt concentrations. Equine Nutrition and Physiology Society 1999
167. Zimmer DN, **Blikslager AT**. The role of cyclooxygenases in repair of ischemic-injured porcine ileum. Digestive Disease Week 1999
168. Zimmer DN, **Blikslager AT**. The role of cyclooxygenases in repair of ischemic-injured intestine. Equine Colic Symposium 1998
169. Gerard MP, **Blikslager AT**, Roberts MC, Tate LP, Argenzio RA. The margins of resected jejunum are affected by serosal but not mucosal injury in horses with strangulating intestinal obstruction. Equine Colic Symposium 1998
170. **Blikslager AT**, Roberts MC, Argenzio RA. Prostaglandins I_2 and E_2 have a synergistic role in rescuing epithelial barrier function in ischemic-injured intestine. Equine Colic Symposium 1998
171. **Blikslager AT**, Roberts MC, Argenzio RA. Genistein augments prostaglandin-induced recovery of barrier function in ischemic-injured porcine ileum. Digestive Disease Week 1998

172. **Blikslager AT**, Roberts MC, Argenzio RA. Prostaglandins I₂ and E₂ have a synergistic role in rescuing epithelial barrier function in porcine ileum. Digestive Disease Week 1997
173. Lang JA, **Blikslager AT**, Regina DC, Eiseman JH, Argenzio RA. Porcine gastric ulcers of the pars esophageal region are associated with a finely ground pelleted diet and low pH levels. North Carolina State University Physiology Symposium 1996
174. **Blikslager AT**, Bristol DG, Rhoads JM, Roberts MC, Argenzio RA. Glutamine and TGF β enhance repair of intestinal ischemia/ reperfusion injury. Digestive Disease Week 1996
175. **Blikslager AT**, Roberts MC, Argenzio RA. Intestinal reperfusion injury: Clinical concern or irrelevant concept? American College of Veterinary Surgeons Symposium 1995
176. **Blikslager AT**, Roberts MC. Clinician accuracy of predicting diagnosis and survival in horses with colic. Equine Colic Symposium 1994
177. Meister JD, **Blikslager AT**, Bowman KF. The effect of age on survival in horses following colic surgery. Equine Colic Symposium 1994
178. **Blikslager AT**, Anderson KL, Bristol DG, Fubini SL, Anderson DE. Retrospective evaluation of repeat laparotomy in cattle. American College of Veterinary Surgeons Symposium 1993
179. **Blikslager AT**, Bowman KF, Bristol DG, Roberts MC. Retrospective analysis of postoperative ileus in horses. American College of Veterinary Surgeons Symposium 1993
180. **Blikslager AT**, Bowman KF, Abrams CF, Seaboch TR, Hunt EL. Holding power of orthopedic bone screws in large metacarpal and metatarsal bones of calves. American College of Veterinary Surgeons Symposium 1992
181. **Blikslager AT**, Bowman KF, Haven ML, Tate LP, Jr., Bristol DG. Pedunculated lipomas as a cause of intestinal obstruction in horses: 17 cases (1983-1990). American College of Veterinary Surgeons Symposium 1991

Extramural Grants Funded as Principal Investigator

Total extramural funding (1997-2023): \$21,474,167 million; 3rd all-time Top Grant Getter, College of Veterinary Medicine.

1. **Blikslager AT**, Odle J, Van Landeghem L, Ziegler AL. Mechanisms of Prebiotics for Preventing Early-Life Intestinal Health Challenges in Swine, USDA-AFRI Animal Health 2022-2025 (\$650,000)
2. **Blikslager AT**, Odle J, Van Landeghem L. Postnatal development of enteric glial cell-epithelial interactions in repair of ischemic-injured intestine. NIH-NICHHD R01 HD095876, 2019-2024 (\$1,912,500)
3. **Blikslager AT**, Odle J, Van Landeghem L. Bioactive nutrients enhance intestinal neural networks and rescue mucosal repair in developing neonates, USDA-AFRI-NIFA 2019-67017-29372, 2019-2022 (\$499,000)
4. **Blikslager AT**, Gonzalez LM. Large Animal Models Core, Center for Gastrointestinal Biology and Disease, NIH P30 DK034987, 2020-2025 (\$298,020)
5. **Blikslager AT**. Evaluation of the effects of milk products on intestinal injury in perinatal piglets. Alcresta Therapeutics, 2018-2019 (\$161,858)
6. **Blikslager AT**. Effects of larazotide in a porcine model of intestinal ischemia. Innovate Biopharmaceuticals, 2017-2019 (\$148,337)
7. **Blikslager AT**. Effect of larazotide and its fragments on restoration of tight junction barrier function. Innovate Biopharmaceuticals, 2017-2019 (\$88,284)
8. **Blikslager AT, Messenger K**. Concentrations of larazotide in the gastrointestinal tract of juvenile pigs. Innovate Biopharmaceuticals, 2017-2019 (\$63,723)

9. **Blikslager AT**, Odle J, Van Landeghem L. Bioactive nutrients enhance intestinal neural networks and rescue mucosal repair in developing neonates. USDA-AFRI Human Health, 2019-2022 (\$499,999)
10. **Blikslager AT**, Gabler N, Odle J. Mechanisms of intestinal injury and repair in porcine heat stress. USDA-AFRI, 2017-2020 (\$494,000)
11. **Blikslager AT**. Effects of larazotide in a porcine model of intestinal ischemia, Innovate Biopharmaceuticals Inc., 2018-2020, (\$120,000)
12. **Blikslager AT**, Gonzalez, LM. GI leak animal model development. Ethicon Endo-Surgery Inc., 2015-2016 (\$103,548)
13. **Blikslager AT**, Odle J, Gonzalez LM. The developmental nature of gut integrity in swine. USDA National Institutes of Food and Agriculture, Animal Health, Project 1007263, 2015-2017 (\$150,000)
14. **Blikslager AT**, Cook VL, Southwood L. Flunixin or firocoxib for postoperative colic patients. Grayson Jockey Club Foundation, 2015-2017 (\$122,000)
15. **Blikslager AT**, Gonzalez LM. Large Animal Models Core, Center for Gastrointestinal Biology and Disease, NIH P30 DK034987, 2014 – 2019 (\$298,020)
16. **Blikslager AT**, Gonzalez LM. Stimulation of stem cell recovery in hypoxic porcine enteroids, Sucampo Inc., 2014-2016 (\$99,000)
17. **Blikslager AT**. Mechanisms of chloride channel CIC-2 mediated tight junction repair, Sucampo Inc., 2013-2015 (\$127,834)
18. **Blikslager AT**. Role of lubiprostone in the treatment of murine DSS colitis. Sucampo Inc., 2013-2014 (\$199,950)
19. **Blikslager AT**. Role of lubiprostone in the treatment of murine TNBS-induced Chron's-like disease. Sucampo Inc., 2013-2014 (\$99,323)
20. **Blikslager AT**, Theralogics Inc. Validation of a novel NF- κ B inhibitor in inflammatory bowel disease. R42DK074193. 2012-2014 (\$317,532)
21. **Blikslager AT**. Does large colon resection and anastomosis affect survival in horses with large colon volvulus? North Carolina Horse Council, 2012 (\$4,154)
22. **Blikslager AT**. Comparative Effect of Lubiprostone and the Oral Laxative PEG 3350 on Intestinal Phosphate Transport. Sucampo Inc., 2011-2012 (\$93,582)
23. **Blikslager AT**. Study of the Interactions between Linaclotide and Non-Steroidal Anti-Inflammatory Drugs. Sucampo Inc., 2011-2012 (\$80,904)
24. **Blikslager AT**. Pig Model of Gastroesophageal Reflux Disease and Barrett's Esophagus. North Carolina Biotechnology Center, 2011-2013 (\$126,853)
25. **Blikslager AT**. Characterization of Strength and Healing of Stapled Intestinal Anastomoses: The Mucosal Barrier. Ethicon Endo-Surgery, 2011-2013 (\$127,733)
26. **Blikslager AT**. Mechanisms of Lubiprostone and Linaclotide in Intestinal Barrier Function. Sucampo Inc., 2010 (\$24,262)
27. **Blikslager AT**. Protective properties of cobiprostone in an indomethacin-induced gastric injury model in MKN 28 cells. Sucampo Inc., 2010-2011 (\$167,735)
28. **Blikslager AT**. The Cyclooxygenase Selectivity of Flunixin Meglumine, Firocoxib, and a Novel Compound (AHI-805) in the Horse. American Horse Council, 2010 (\$4,238)
29. **Blikslager AT (PI)**, Moeser AJ (Co-PI). Effects of Lubiprostone on a Novel Model of Diarrhea-Predominant Irritable Bowel Syndrome. Takeda, 2010-2012 (\$383,880)
30. **Blikslager AT**, Lascellles BD (Co-PI), In vitro investigation of the effect on gastrointestinal barrier function of adding tramadol to NSAID, Novartis Animal Health US Inc., 2009-2010 (\$106,256)
31. **Blikslager AT**, Moeser AJ. Mechanisms of Weaning Stress-Induced Intestinal Dysfunction in Piglets. USDA-NRI # 2007-01366, 2007-2010 (\$294,000)

32. **Blikslager AT**, Moeser AJ. Mechanisms of SPI-0811 on mucosal injury. Sucampo Inc., 2007-2012 (\$344,000)
33. **Blikslager AT**. Effect of firocoxib on recovery of ischemic-injured equine jejunum. Merial Inc. 2006-2008 (\$145,037)
34. **Blikslager AT, Lascelles BDX**. Mechanisms of COX-2 expression and inhibition in the proximal gastrointestinal tract of dogs. Novartis Animal Health US Inc. 2006-2008 (\$192,179)
35. **Blikslager AT**. Effect of a novel COX-2 inhibitor on permeability and recovery of ischemic-injured equine jejunum. Novartis Global Animal Health, Bern, Switzerland 2006-2008 (\$149,860)
36. **Blikslager AT**, Moeser AJ. Mechanisms of a novel porcine model of irritable bowel syndrome. Center for Comparative Gastrointestinal Biology and Disease, University of North Carolina, Chapel Hill NC, 2006-2007 (\$43,800)
37. **Blikslager AT**, Moeser AJ. Mechanisms of lubiprostone activity in ischemic and cellular colonic models of impaired barrier function. Sucampo Pharmaceuticals, Bethesda MD, 2005-2007 (\$125,700)
38. **Blikslager AT** (PI-NCSU subcontract). Postoperative analgesia after hind limb arthroscopy in horses. Morris Animal Foundation 2005-2006 (\$14,105)
39. **Blikslager AT**, Cook V. Effects of lidocaine and flunixin meglumine on recovery of ischemic-injured equine jejunum. Morris Animal Foundation 2005-2006 (\$178,000)
40. **Blikslager AT**, Little D. Effect of meloxicam on recovery of ischemia-injured equine jejunum. American Quarter Horse Association. 2005-2006 (\$38,276)
41. **Blikslager AT**, Moeser A. Mechanisms of lubiprostone activity in ischemic and cellular colonic models of impaired barrier function. Sucampo Inc., 2004-2006 (\$125,708)
42. **Blikslager AT**, Lascelles DX. Mechanisms of COX-2 expression and inhibition in the proximal gastrointestinal tract of dogs. Novartis Animal Health US Inc. 2004-2006 (\$138,377)
43. **Blikslager AT**, Tomlinson J. The role of the non-selective cyclooxygenase inhibitor flunixin in endotoxin absorption across ischemic-injured equine small intestine. American College of Veterinary Surgeons grant # 02-1129, 2003-2004 (\$9,784)
44. **Blikslager AT**, Moeser A. The role of CIC-2 channels and the CIC-2 agonist RU-0211 in recovery of ischemic-injured intestinal mucosa. Sucampo Inc., 2003-2004 (\$91,180)
45. **Blikslager AT**, Harrell R, Mowrey R. The role of forage type and quality in equine colic. North Carolina Horse Council 2003-2004 (\$5,854)
46. **Blikslager AT**, Jones SL. Mechanisms of intestinal repair in the equine small intestine. United States Department of Agriculture National Research Initiative grant # 0302369, 2003-2005 (\$290,000)
47. **Blikslager AT**, Tomlinson J. The role of cyclooxygenase inhibitors in the healing of ischemic equine small intestine. Morris Animal Foundation # D02EQ-07, 2002-2004 (\$52,000)
48. **Blikslager AT**, Jones SL. Mechanisms of intestinal repair in the porcine and equine small intestine. United States Department of Agriculture National Research Initiative grant # 0102490, 2001-2003 (\$215,000)
49. **Blikslager AT**, Argenzio RA. Mechanisms of intestinal repair in the horse. United States Department of Agriculture National Research Initiative grant # 9802537, 1998-2000 (\$150,000)
50. **Blikslager AT**. Mechanisms of prostaglandin-induced intestinal repair. NIH NIDDK R29 DK53284, 1998-2003 (\$507,500)

51. **Blikslager AT**, Argenzio RA. Mechanisms of repair of ischemia/ reperfusion injury. Pilot/ Feasibility Grant, Center for the study of Gastrointestinal Biology & Disease, 1996 (\$18,000)
52. **Blikslager AT**, Argenzio RA (Mentor). Mechanisms of repair of ischemic-injured intestine. NIH-NIDDK F32 DK09400, 1996-1999 (\$104,000)

Extramural Grants Funded as Co-Principal Investigator or Co-Investigator/ Mentor

1. Chak A, Garman K, **Blikslager AT** (CO-I). Inflammation and submucosal glands during esophageal injury and repair. NIH P01 CA269019 (\$85,302)
2. Trepanier L, **Blikslager AT** (Mentor). Translational Research Workforce Training: Leveraging the Veterinary Specialist. NIH U01 TR002953 (\$143,160)
3. Hellstrom E (Trainee), Ziegler AL (Mentor), **Blikslager AT** (Mentor). Role of enteric glial IL-1 signaling in inflammatory pathophysiology of equine postoperative ileus. Morris Animal Foundation Fellowship Training Grant 2022-2024 (\$124,999)
4. Meurs KM, Piedrahita JP, Cheng K, **Blikslager AT** (co-I). Swine Biomedical Research Facility for gnotobiotic, transgenic and translational medicine. NIH C06 OD 031999 2020-2024 (\$6,277,542)
5. Kaeser T, Laster S, **Blikslager AT** (Co-PI), Dellon E. The Pig: A Novel Large Animal Model of Allergic Eosinophilic Esophagitis. NIH R21 149098 2020-2022 (\$208,291)
6. Ziegler, Amanda (Trainee), **Blikslager AT** (Mentor) Postnatal Development of Intestinal Barrier Repair. NIH K01 OD 028207 2019-2024 (\$129,330)
7. Gingold B (PI), Fogle C (PI), **Blikslager AT** (co-PI). Perioperative Locoregional Analgesia in Colic Horses. North Carolina Horse Council (\$5,000)
8. Garman K (PI), **Blikslager AT** (co-PI). A Porcine Lineage Tracing Model to Determine the Role of Gastrin in Esophageal Metaplasia. Duke-CTSI & NC State. 2018-2019 (\$50,000)
9. Garman K (PI), **Blikslager AT** (co-I). The role of gastrin in esophageal submucosal gland acinar ductal metaplasia. NIH-NIDDK R01 DK118022, 2018-2023 (\$246,415)
10. Zaharoff D (PI), Dellon E (co-PI), Benhabbour SR (co-I) **Blikslager AT** (co-I). NC Center for esophageal pharmacoengineering. UNC ROI, 2017 (\$75,000)
11. Dellon E (PI), Benhabbour SR (co-PI), **Blikslager AT** (co-PI). A novel steroid-eluting esophageal ring for treatment of eosinophilic esophagitis. NC-TRACS UNCSUR11602, 2017 (\$50,000)
12. Odle J (PI), **Blikslager AT** (co-PI). Synergistic Effects of Dietary Prebiotics and Long-Chain Polyunsaturated Fatty Acids on Intestinal Health of the Suckling Neonate. United States Department of Agriculture, Agriculture and Food Research Initiative, grant # 2014-67017-21750, 2014-2017 (\$499,888)
13. Gonzalez LM (Trainee), **Blikslager AT** (Mentor). Intestinal stem cell responses to ischemic injury in a large animal model. NIH K01 OD019911, 2015-2020 (\$608,175)
14. Gonzalez LM (Trainee), **Blikslager AT** (Mentor). Intestinal stem cell responses to ischemia and reperfusion injury in a large animal model. Pilot/ Feasibility Grant, Center for the study of Gastrointestinal Biology & Disease, 2014-2015 (\$35,000)
15. Piedrahita JA (PI), **Blikslager AT** (co-I). Improved large animal model for the study of adult stem cells. NIH R21 OD019738, 2014-2016 (\$416,625)
16. Moeser AJ (PI), **Blikslager AT** (co-I). Neuro-immune mechanisms in early life stress-induced gastrointestinal disease. NIH R01 HD072968, 2014-2018 (\$1,571,815)

17. Garman KS (PI), **Blikslager AT** (co-I). Development of a porcine model of esophageal injury and repair. Center for Gastrointestinal Biology & Disease Pilot & Feasibility Study, 2013-2014 (\$30,000)
18. Magness S (PI), Piedrahita JA (co-PI), **Blikslager AT** (co-I), Gookin JL (co-I). Bridging the divide between mouse and man: Creating a transformative model as a gateway for intestinal epithelial stem cell-based discovery, therapy and transplantation. NC-TraCS, 2011-2012 (\$50,000)
19. Moeser AJ (Trainee), Abraham SN (Mentor), **Blikslager AT** (Co-mentor). Enteric CRF receptor signaling in stress-induced intestinal barrier dysfunction. K08 DK084313, 2009-2014 (\$601,180)
20. Marshall J (Fellow), **Blikslager AT** (Mentor). Effect of robenacoxib on permeability and recovery of ischemic-injured equine jejunum (Fellowship). Morris Animal Foundation 2008-2010 (\$100,000)
21. Cook V (Fellow), **Blikslager AT** (Mentor). Effects of lidocaine and flunixin meglumine on recovery of ischemic-injured equine jejunum. Morris Animal Foundation 2006-2008 (\$100,000)
22. Odle J (PI), Harrell R (co-PI), **Blikslager AT** (co-PI). Prophylactic effects of arachidonate on intestinal health of the suckling neonate following ischemic injury. USDA-NRI, 2005-00827, 2005-2010 (\$494,000)
23. Crisman M (PI), **Blikslager AT** (co-I). Apoptosis in the equine intestine following ischemia-reperfusion injury. Virginia-Maryland Regional College of Veterinary Medicine, 2006-2007 (\$46,583)
24. Nagy A, (PI), **Blikslager AT** (co-I). Investigation into mechanisms of ischemia/ reperfusion injury in equine intestine. University of Vienna, 2005-2006, (€20,000)
25. Jack Odle, (PI), **Blikslager AT** (co-PI). Amino acid regulation of intestinal restitution during infectious enteritis. United States Department of Agriculture, National Research Initiative, grant # 03352049, 2003-2005 (\$250,000)

Intramural Grants

1. **Blikslager AT**, Van Landeghem L, Dekaney C, Gonzalez L, Gookin J, Foster D. CMI North Carolina Center for Comparative Gastroenterology, 2019 (NC2CG) (\$25,000)
2. **Blikslager AT**, Ziegler A, Van Landeghem L. Mechanisms of glial-mediated mucosal barrier repair in a neonatal pig model of intestinal ischemia CVM Research Grant, 2019 (\$24,961)
3. **Blikslager AT**, Odle J. The developmental nature of intestinal barrier function in swine. CVM-CALS grant, 2016-2017 (\$150,000)
4. **Blikslager AT**. Factors associated with colic in horses in the United States and South Africa. NCSU Internationalization Seed Grant 2013-2014 (\$5,000)
5. Prange T, **Blikslager AT** (co-I). Epiduroscopy in horses. CVM Research Grant (\$20,000)
6. Hill T, **Blikslager AT**. Effect of NSAIDs on Gastric Mucosal Recovery after Acid Injury in an Injury Model CCMTR pilot project 2011-2012 (\$15,000)
7. Moeser AJ, **Blikslager AT** (mentor). Validation and mechanisms of an animal model of irritable bowel syndrome. CCMTR pilot Project, 2006-2007 (\$15,000)
8. **Blikslager AT**. Prostaglandin signaling pathways in colonic epithelium. CVM Research Grant 2004-2005 (\$14,300)
9. **Blikslager AT**. Mechanisms of intestinal barrier dysfunction during porcine weaning stress. USDA animal health formula funds 2004-2005 (\$9,997)
10. **Blikslager AT**. Mechanisms of luminal nutrient-reduced recovery of ischemic-injured intestine. USDA animal health formula funds 2002-2003 (\$10,000)

11. **Blikslager AT**, Jones SL. Mechanisms of transepithelial neutrophil chemoattraction during intestinal repair. CVM Research Grant 2000-2001 (\$14,763)
12. **Blikslager AT**, Jones SL. Mechanisms of neutrophil-augmented intestinal mucosal recovery. USDA animal health formula funds 2000-2001 (\$9,576)
13. **Blikslager AT**, Redding WR. The role of cyclooxygenase-2 inhibitors in equine lameness. Veterinary Foundation Research Grant (VERC), 2000-2001 (\$5,966)
14. **Blikslager AT**. Mechanisms of lipopolysaccharide transit across equine ischemic-injured intestine. CVM research grant, College of Veterinary Medicine, 1999-2000 (\$15,000)
15. **Blikslager AT**, Anderson KL. Retrospective evaluation of reoperative abdominal surgery in cattle. CVM start-up research grant. North Carolina State University, College of Veterinary Medicine, 1991 (\$1,000)
16. **Blikslager AT**, Bowman KF. Holding power of orthopedic bone screws in large metacarpal and metatarsal bones of calves. VMFPP Clinical Research Grant. North Carolina State University, College of Veterinary Medicine, 1991 (\$1,600)
17. **Blikslager AT**. Monitoring pre- and postoperative white blood cell counts in cases of surgical colic to determine their validity as indicators of endotoxemia. Phi Zeta Research Grant. University of Missouri, College of Veterinary Medicine, 1989 (\$500).

Graduate Student Advisor, Committee Chair (25 students)

Madison Caldwell, DVM/ PhD candidate, Comparative Biomedical Sciences	2020-
Elizabeth Rose, PhD candidate, Comparative Biomedical Sciences	2020-
2023	
Emily Hellstrom, PhD candidate, Comparative Biomedical Sciences	2020-
2024	
Sara Erwin, PhD Candidate, Comparative Biomedical Sciences	2019-
Kasey Boger, MS Candidate, Comparative Biomedical Sciences	2019-
2022	
Zachary Slifer, PhD Candidate, Comparative Biomedical Sciences	2015-
2021	
<i>The role of larazotide acetate during repair of ischemia-injured porcine intestine</i>	
Leandi Krüger, PhD Candidate, Comparative Biomedical Sciences	2014-
2019	
<i>Porcine Models of Esophageal Injury and Repair</i>	
Shante Bryant, PhD Candidate (Co-Chair), Genetics	2013-
2019	
<i>The influence of genetic background on experimentally-induced colitis in murine models of inflammatory bowel disease</i>	
Amanda Ziegler, PhD Candidate, Comparative Biomedical Sciences	2015-
2018	
<i>Mechanisms of Barrier Repair in a Neonatal Pig Model of Intestinal Ischemia</i>	
Younggeon Jin, PhD, Comparative Biomedical Sciences	2010-
2014	
<i>Regulation of the intestinal barrier in digestive disease</i>	
Liara Gonzalez, PhD, Comparative Biomedical Sciences	2010-
2014	
<i>Large animal models of intestinal disease</i>	
Elizabeth Overman, PhD Student (Co-Chair), Physiology	2009-
2011	
<i>Intestinal CRF receptor subtypes mediate divergent roles in stress-induced</i>	

<i>Epithelial barrier dysfunction.</i>	
Raphael Labens, PhD, Comparative Biomedical Sciences	2009-
2013	
<i>Advanced modeling techniques in equine surgery</i>	
Meghali Nighot, PhD, Comparative Biomedical Sciences	2008-
2012	
<i>Role of CIC-2 and MAPK in gastric barrier function</i>	
Tracy Hill, PhD, Comparative Biomedical Sciences	2008-2012
<i>A Canine Gastric Mucosa Injury Model</i>	
John Marshall, PhD, Physiology	2007-
2010	
<i>The effect of novel anti-inflammatory drugs on the cyclooxygenase enzymes and recovery of mucosal barrier function</i>	
Prashant Nighot, PhD, Comparative Biomedical Sciences	2005-
2008	
<i>Role of CIC-2 and NHE transport proteins in intestinal mucosal barrier</i>	
Vanessa Cook, PhD, Physiology	2005-
2008	
<i>The role of novel anti-inflammatory drugs in the repair of ischemic-injured equine jejunum</i>	
Jenna Wooten, PhD, Comparative Biomedical Sciences	2005-
2008	
<i>The role of cyclooxygenase (COX)-2 in the canine proximal gastrointestinal tract</i>	
Dianne Little, PhD, Physiology	2003-
2006	
<i>Pathways of prostaglandin-mediated recovery of ischemia-injured intestine</i>	
Adam Moeser, DVM/ PhD, Physiology	2001-
2006	
<i>Mechanisms of prostaglandin-stimulated recovery of mucosal barrier function in the ischemia-injured porcine intestine: role of intestinal ion transport</i>	
Julia Tomlinson, PhD, Physiology	2000-2004
<i>Cyclooxygenase Inhibitors Affect Recovery of Ischemic-injured Jejunum</i>	
Ed Shifflett, PhD, Physiology	2000-2004
<i>Regulation of COX-2 and PGE₂-dependent recovery of intestinal barrier function</i>	
Jeff Cole, PhD (Co-Chair), Physiology	2000-
2002	
<i>Cyclooxygenase inhibition and glutamine addition to <u>Cryptosporidium parvum</u> infected calf ileal tissue</i>	
Nigel Campbell, Doctoral Student, Physiology	1999-
2003	
<i>The role of the enzyme cyclooxygenase and bile in the damage and repair of intestinal epithelium</i>	

Graduate Student Advisory Committee, Member

Morghan Bowman, PhD Student, Animal Science	2018-present
Breanna Sheahan, PhD Student, Comparative Biomedical Sciences	2018-
2020	

Amy Stewart, PhD Student, Comparative Biomedical Sciences 2019	2015-
Victoria Watson, PhD Student, Comparative Biomedical Sciences 2017	2014-
Calvin Pohl, PhD Student, Comparative Biomedical Sciences 2015	2014-
Julia Medland, MS student, Comparative Biomedical Sciences 2015	2014-
Alicia Simmons Wellman, PhD student, Toxicology	2014-2015
Elizabeth Lennon, PhD Student, Comparative Biomedical Sciences 2015	2013-
Dominique Lefebvre, PhD Student, University of Edinburgh	2013-2016
Amelia Gibson, PhD Student, Comparative Biomedical Sciences 2013	2010-
Susan Bowman, DVM/ PhD Student, Genomics 2015	2010-
Erika Fox, MeD Student 2012	2010-
Diego V. Bohorquez, PhD Student, Nutrition	2007-2010
Lidia Nierobisz, PhD Student, Comparative Biomedical Sciences 2010	2007-
Derek Foster, PhD Student, Physiology 2012	2007-
Kimberly Green, PhD Student, Comparative Biomedical Sciences 2011	2005-
Laura Neuder, PhD Student, Immunology	2005-2010
Teresa Green, PhD Student, Comparative Biomedical Sciences 2010	2005-
Lisa McPhater, MS Student, Nutrition 2003	2000-
Tim Tippin, PhD Student, UNC-Chapel Hill	1999-2006

Graduate Student Advisory Committee, Invited External Examiner

Esther Meusel, MSc Student, University of Pretoria, South Africa	2018
Charlotte Hopster-Iversen, PhD Student, University of Hannover, Germany	2013
Yolandi Smit, MSc Student, University of Pretoria, South Africa	2013
Meghan Shepherd, PhD Student, Virginia Tech	2012
Niamh Morrissey, PhD Student, UCD, Ireland	2008
Amy Nagy, MS Student, Virginia Tech	2008
Vivian Takafuji, PhD Student, Virginia Tech	2004
Marco Lopes, PhD Student, Virginia Tech	2002

Postdoctoral Fellows

Amanda Ziegler 2019	2017-
Liliana Hernandez	2017-2019

Younggeon Jin	2014-
2019	
Meghali Nighot	2012-
2013	
Prashant Nighot	2008-2011
Lauraine Rivier	2007-
2009	
Jeff Cole	2002-2004
J'mai Gayle	2000-2002

Resident Advisor

Caitlyn Redding, Resident, Equine Sports Medicine Committee Member	2016-2019
Ayako Oda, Resident, Anesthesiology Committee Member	2015-
2018	
Tonje Saetra, Resident, Equine Medicine Committee Member	2014-2017
Ben Shrauner, Resident, Equine Surgery Advisor	
2013-2016	
Karin Krüger, Resident, Equine Medicine Committee Member	2009-
2012	
Jim Nutt, Resident, Equine Surgery Advisor	2005-
2008	
Lisa Frederico, Resident, Equine Surgery Advisor	
2004-2007	
Alison Morton, Resident, Equine Surgery Advisor	1999-
2002	

Veterinary Student Advisor

Ashlyn Terry, Class of 2020	2017-2020
Abby Lane, Class of 2020	2016-2020
Megan Gallagher, Class of 2019	2015-
2019	
Megan Cullen, Class of 2016	2012-2016
Carolyn Eaton, Class of 2016	2012-2016
Sara Roberson, Class of 2015	2011-
2015	
Kaitlyn Walsh, Class of 2013	2009-2013
Christina Howard, Class of 2012	2008-
2012	
Daria DiGiovanni, Class of 2012	2008-
2012	
Dinah Skorich, Class of 2011	2007-2011
Chelsey Miller, Class of 2011	2007-2011
Michelle Gardner, Class of 2009	2005-
2009	
Alana Pavuk, Class of 2009	2005-2009

Summer Scholar DVM Students

Elizabeth Welch, Class of 2022		2019,
2020		
Megan Gallagher, Class of 2020		2018
Alexandra Carlson, Class of 2019, NIH-T35	2017	
Juliana Mills, Class of 2019	2017	
Erik Wegner-Clemens, Class of 2019		2016
Hannah Gardener, Class of 2018		2015
Esther Gu, Class of 2018		2015
Bailey Brame, Class of 2017	2014	
Kate Petersen, Class of 2017	2014	
Shelby Grillo, Class of 2017	2014	
Lauren Stranahan, Class of 2016, NIH-T35	2013	
Lauren Griggs, Cornell Class of 2015, NIH-T35		2013
Leslie Smith, Class of 2014	2012	
Chris Bidwell, Class of 2013	2010	
Emily Medlin, Class of 2013	2010	
Christina Howard, Class of 2012		2009
Chelsey Miller, Class of 2011	2009	
Dinah Skorich, Class of 2011	2008	
Natalie Morris, Class of 2011	2008	
Colleen Myer, Class of 2009	2007	
Jennifer Jones, Class of 2009		2006
Marsha McDowell, Class of 2009	2006	
Aubrey Brown, Class of 2008	2005	
Carin vanDerKlok, Class of 2007		2004
Melissa Haskell, Class of 2006		2003
Osborne Wilder, Class of 2005		2002
Rebecca Dean, Class of 2004		2001
S. Catharine Hennessy, Class of 2003		2001

Visiting Undergraduate Students

Leenah Abuelgasim, University College, Oxford University, UK		2018
Ella Dunlop, Brasenose College, Oxford University, UK		2018
Madison Clark, University of Georgia, Class of 2014		2014
Emeragi David, UNC-Chapel Hill, Class of 2014		2013
Molly Patton, University of Georgia, Class of 2014	2013	
Nicole Ferraro, Wake Forest, Class of 2013	2012	
Diane Laurie, Virginia Tech, Class of 2012	2010	
Susan Bowman, University of VA, Class of 2010		2008
Susan Pell, University of Sydney, Class of 1999		2001

NIH Trainees (IMSD; CCMTR T32; COHA T32; CGIBD T32; K-awardees)

Elizabeth Rose (mentor)	COHA T32	2020-
present		
Amanda Ziegler (co-mentor)	K01-OD	2019-
present		

Amanda Ziegler (mentor) 2019	UNC GRTP T32	2017-
Liara Gonzalez (co-mentor) 2015-2020	K01-OD	
Allison Rogala (committee member)	CGIBD T32	2014-2016
Liara Gonzalez (mentor) 2014	IMSD/ CMTRP T32	2012-
Adam Moeser (co-mentor)	K08-NIDDK	2009-2014
Tracy Hill (mentor)	CMTRP T32	2010-2012
Adam Moeser (mentor) 2009	UNC GRTP T32	2007-
Jeff Cole (mentor) 2002	UNC GRTP T32	2000-

Undergraduate Honors Student Advisor

Sophia Jodka, Biological Sciences	2022-
Faith Church, Animal Science	2022-
Kayla Harrower, Animal Science	2021-
Marley Clark, Animal Science	2019-2020
Lindsey Shapiro, Animal Science 2020	2019-
Anastasia Sheridan, Biomedical Engineering 2021	2018-
Carson Popper, Park Scholar, Biology 2019	2018-
Kasey Boger, Animal Science 2019	2017-
Caroline Freeman, Animal Science	2017-2018
Caroline Kornegay, Animal Science	2017-2018
Abigail Cox (Parks Scholar), Animal Science 2018	2016-
Sonia Kelkar, Biological Sciences	2016
Dina Ibrahim (Jefferson Scholar), Animal Science 2017	2015-
Jenna Scott, Animal Science	2014
Heather Kashner, Biology	2013
Mary Brown (IMSD Scholar), Biology	2012-2015
Kelly Cunningham (Park Scholar), Zoology	2010-2014
Ashley Mills, Animal Science	2010-2012
Caitlyn Redding, Animal Science	2009
Rachel Turner (Parks Scholar), Zoology 2012	2009-
Richard Lyons, Poultry Science	2009
Adria Bhatnagar, Animal Science	2008
Stephanie Everidge, Biological Sciences	2005
Katharine Holder, Animal Science	2004

High School Student Advisor

Caroline Lilly, NC School of Science and Mathematics present	2021-
Lilah Craig, NC School of Science and Mathematics 2020	2019-
Ethan Amick, NC School of Science and Mathematics 2019	2018-
Hanna Nettles, NC School of Science and Mathematics 2018	2017-
Evelyn Taylor, NC School of Science and Mathematics 2017	2016-
Sabrena Gautam, Panther Creek High School	2013
Mary Brown, Five Knowles Academy	2010 - 2011

Honors Awarded to Fellows, Graduate Student, Veterinary Student, Resident, Undergraduate, and High School Advisees

George Elane, PhD Candidate

- CMTRP T32 Fellowship 2023-2026

Elizabeth Rose, PhD Candidate

- CTSA One Health Alliance (COHA) NIH Fellowship 2020-2022
- CMTRP T32 Fellowship 2022-2023
- NCSU Litwack Research Day Honorable Mention Oral Abstract, 2022

Emily Hellstrom, PhD Candidate

- Equus Foundation Research Fellow, American Association of Equine Practitioners, 2021
- Morris Animal Foundation Fellowship, 2022-2024

Alexandra Carlson, DVM Candidate (Messenger, Blikslager co-PIs)

- Honorable Mention, DVM Student Oral Presentation, CVM Research Forum 2017

Amanda Ziegler, DVM, PhD Candidate

- Poster of Distinction at FASEB GIT XVIII, August 2021
- Winner, AVMA/AVMF Young Investigator Award competition, National Veterinary Scholars Symposium, Texas A&M, 2018
- Second Place, NC State University Graduate Student Symposium, 2018
- Second Place, 13th Annual NC State University Graduate Student Research Competition, 2018
- NIH T32 Fellowship, UNC-Chapel Hill, Gastroenterology Research Training Program, 2017-2019
- Elaine Klein Career Development Award, Grayson Jockey Club Research Foundation, 2016

Liara Gonzalez, DVM, PhD Candidate

- AAEP Equine Foundation Research Fellow Scholarship, American Association of Equine Practitioners, 2014
- University Graduate Student Association Award for Conferences, North Carolina State University, 2014

- Monica Menard Award for Excellence in Veterinary Pathobiological Research, College of Veterinary Medicine, North Carolina State University, 2014
- Leroy Coggins Graduate Fellowship for excellence in equine research, College of Veterinary Medicine, North Carolina State University, 2013
- Selected to present her CVM and Research Experience to the Board of Trustees, 2012
- NIH CCMTR T32 Fellowship, 2012-2014
- NIH Initiative for Maximizing Student Diversity Fellowship, 2010-2012

Younggeon Jin, DVM, PhD Candidate

- Graduate student of the month, Comparative Biomedical Sciences, College of Veterinary Medicine, North Carolina State University, March 2014
- Postdoctoral Fellow of the Year, Department of Clinical Sciences, College of Veterinary Medicine, North Carolina State University, March 2016
- First Place, Postdoctoral Research Symposium, May 2018

Meghali Nighot, BVSc, PhD Candidate

- CVM Graduate Student of the month, March 2012

Raphael Labens, DVM, MVM, PhD candidate

- Awarded the Leroy Coggins Graduate Fellowship for excellence in equine research, College of Veterinary Medicine, North Carolina State University, 2011

Tracy Hill, DVM, PhD Candidate

- NIH T32 Fellowship, North Carolina State University, 2010-2012
- Comparative Gastroenterology Society Student Travel Award to Digestive Disease Week, 2010

Prashant Nighot, BVSc, PhD Candidate

- Poster of Distinction, Digestive Disease Week, 2010
- Poster of Distinction, Digestive Disease Week, 2008
- Comparative Gastroenterology Society student travel award to Digestive Disease Week, 2008
- First Place, Center for Gastrointestinal Biology and Disease Research Presentation Competition, 2006

Vanessa Cook, MA, BVetMed, PhD Candidate

- Poster of Distinction, Digestive Disease Week, 2008
- Morris Animal Foundation Fellow, 2005-2007

John Marshall, BVMS, PhD Candidate

- Leroy Coggins Graduate Fellowship Award for excellence in equine research, College of Veterinary Medicine, North Carolina State University, 2010
- Provost Fellowship Award, North Carolina State University, 2007

Adam Moeser, DVM/ PhD Candidate

- Awarded an NIH KO8 post-doctoral fellowship (DK084313)
- Poster of Distinction, World Congress of Gastroenterology, Montreal, Canada, 2007

- Comparative Gastroenterology Society student travel award to Digestive Disease Week, 2005
- Recipient of the International Pig Veterinary Society (IPVS) student award for the IPVS scientific meeting, Hamburg, Germany, 2004
- First Place, Graduate Student Presentation, Annual Research Forum, College of Veterinary Medicine, North Carolina State University, 2004
- Recipient of the Hanns-Dieter Alhusen Education Swine Endowment, College of Veterinary Medicine, North Carolina State University, 2003-2005
- Third Place, Graduate Student Presentation, Annual Research Forum, College of Veterinary Medicine, North Carolina State University, 2003
- Awarded American Association of Swine Veterinarians Foundation Veterinary Student Scholarship for interest and achievement in swine production medicine, 2003
- Second Place, Veterinary Student Presentation, American Association of Swine Veterinarians Annual Meeting, 2003

Dianne Little, BVSc, PhD Candidate

- Leroy Coggins Graduate Fellowship Award for excellence in equine research, College of Veterinary Medicine, North Carolina State University, 2004

Julia Tomlinson, BVSc, PhD Candidate

- Morris Animal Foundation Fellow, 2002-2004
- Leroy Coggins Graduate Fellowship Award for excellence in equine research, College of Veterinary Medicine, North Carolina State University, 2004

Nigel Campbell, BVetMed, PhD Candidate

- Second place, Graduate Student Presentation, Annual Research Forum, College of Veterinary Medicine, North Carolina State University, 2002
- Morris Animal Foundation Fellow, 2000-2002.
- Leroy Coggins Graduate Fellowship Award for excellence in equine research, College of Veterinary Medicine, North Carolina State University, 2001
- National Phi Zeta Award for Outstanding Manuscript in the Basic Sciences, 2001
- Young Investigator Award (Gastroenterology), American College of Veterinary Internal Medicine Forum, 2000
- Second place, Graduate Student Presentation, Annual Research Forum, College of Veterinary Medicine, North Carolina State University, 2000

Ben Shrauner, Resident Large Animal Surgery

- Resident Large Animal Research Award and Resident Speaker Exchange Program Award, ACVS Resident's Forum, 2015

Callie Fogle, DVM, Large Animal Surgery Resident

- Veterinary Surgery Publication Award, American College of Veterinary Surgeons Annual Symposium, 2009

Lauren Stranahan, DVM Student Summer Scholar

- First Place CVM Research Forum, 2014

Christina Howard, DVM Candidate

- Second Place, Annual Research Forum, Veterinary Student Poster Presentation, College of Veterinary Medicine, North Carolina State University, 2010

Colleen Meyer, DVM Candidate

- Third place, Annual Research Forum, Veterinary Student Oral Presentation, College of Veterinary Medicine, North Carolina State University, 2008

Jenna Scott, CALS Undergraduate Honors Student

- Outstanding Poster Award, NC State Undergraduate Research Symposium, 2015

Mary Brown, IMSD Undergraduate Student, High School Student

- AGA Student Research Fellowship Awards/AGA-Eli and Edythe Broad Student Research Fellowship, 2014
- AGA - Stuart Brotman High School Student Fellowship Award, 2011-2012
- AGA High School Student Fellowship Award. 2010-2011

Titles of Invited Presentations where the primary audience was professionals (including 15 countries in 5 continents)

1. **Blikslager AT.** Intestinal barrier repair and age-dependent differences in gut health. 3rd Annual Kemin Intestinal Health Symposium, Tucson, AZ, October 2021
2. **Blikslager AT.** Postoperative care for equine colic: state of the art. Athletic Horse International Symposium (SIMCAV), Brazil, Virtual Conference, April 2021
3. **Blikslager AT.** How to manage a horse with colic in the field. 66th Annual Convention of the American Association of Equine Practitioners, Virtual Conference, December 2020
4. **Blikslager AT.** How to help your client with their horse following colic surgery: Expectations, potential complications, and ongoing care. 66th Annual Convention of the American Association of Equine Practitioners, Virtual Conference, December 2020
5. **Blikslager AT.** Mechanisms of intestinal repair: lessons from a porcine ischemia/reperfusion injury model. 2nd Annual Kemin Intestinal Health Symposium, Virtual Conference, October 2020
6. **Blikslager AT.** Advances in Recognition and Treatment of Pain in Equine Colic. Virginia-Maryland College of Veterinary Medicine Continuing Education Conference, Blacksburg, VA, August 2019
7. **Blikslager AT.** Mechanisms of Inflammation in Equine Colitis. Dorothy Havemeyer Foundation Workshop on Acute Equine Colitis. Niagara-on-the-lake, Ontario, Canada, July 2019
8. **Blikslager AT.** Using Large Animal Models to Discern Mechanisms Responsible for Intestinal Transport and Repair. FASEB: The Gastrointestinal Tract XVIII Conference: Integrated Biology of the GI Super-Organ. Steamboat Springs, CO, July 2019
9. **Blikslager AT.** Colic prevention to avoid colic surgery: a surgeon's perspective. Equine Science Society Symposium, Asheville, NC, May 2019.
10. **Blikslager AT.** Critical decision making in acute colic. Continuing professional development for veterinarians, Institut Agronomique et Veterinaire Hassan II, Rabat, Morocco, December 2018
11. **Blikslager AT.** Management of pain in horses with colic Continuing professional development for veterinarians, Institut Agronomique et Veterinaire Hassan II, Rabat, Morocco, December 2018

12. **Blikslager AT.** Differential diagnosis and treatment of impaction colic Continuing professional development for veterinarians, Institut Agronomique et Veterinaire Hassan II, Rabat, Morocco, December 2018
13. **Blikslager AT.** Early detection of strangulating obstruction Continuing professional development for veterinarians, Institut Agronomique et Veterinaire Hassan II, Rabat, Morocco, December 2018
14. **Blikslager AT.** Management of rectal tears Continuing professional development for veterinarians, Institut Agronomique et Veterinaire Hassan II, Rabat, Morocco, December 2018
15. **Blikslager AT.** Translational mechanisms of intestinal mucosal repair. American College of Veterinary Surgeons Annual Summit, Phoenix, AZ, October 2018
16. **Blikslager AT.** Incidence and etiologies of equine colic. Equine Gut Health Conference, Texas A&M University College Station, TX, October 2018
17. **Blikslager AT.** Surgical techniques for minimising adhesions in abdominal surgery. 16th World Equine Veterinary Association Congress, Beijing, China, April 2018
18. **Blikslager AT.** Long term results after equine colic surgery - where can we improve? 16th World Equine Veterinary Association Congress, Beijing, China, April 2018
19. **Blikslager AT.** Age-Dependent Restoration of Intestinal Integrity in Swine. Iowa State University, Ames, Iowa, January 2018
20. **Blikslager AT.** Pain Control in Horses with Colic. Jeju National University, College of Veterinary Medicine, South Korea, September 2017
21. **Blikslager AT.** Pain Control in Horses with Colic. World Veterinary Congress, Incheon, South Korea, September 2017
22. **Blikslager AT.** Critical Decision Making in Acute Colic. World Veterinary Congress, Incheon, South Korea, September 2017
23. **Blikslager AT.** Differential Diagnosis and Treatment of Impaction Colic in Horses. World Veterinary Congress, Incheon, South Korea, September 2017
24. **Blikslager AT.** Management of Chronic and Non-Healing Wounds. World Veterinary Congress, Incheon, South Korea, September 2017
25. **Blikslager AT.** Gut Pain and Repair: How Can Both be Treated at Once? RG Thomson Lectureship, University of Prince Edward Island, May 2017
26. **Blikslager AT.** Cost and prognosis of colic. Colorado State University Annual Conference for Veterinarians, Fort Collins, CO, April 2017
27. **Blikslager AT.** Colic pain control. Colorado State University Annual Conference for Veterinarians, Fort Collins, CO, April 2017. Colorado State University Annual Conference for Veterinarians, Fort Collins, CO, April 2017
28. **Blikslager AT.** Critical decision making in acute colic. Colorado State University Annual Conference for Veterinarians, Fort Collins, CO, April 2017
29. **Blikslager AT.** Impaction colic. Colorado State University Annual Conference for Veterinarians, Fort Collins, CO, April 2017
30. **Blikslager AT.** Early detection of intestinal strangulating obstruction. Colorado State University Annual Conference for Veterinarians, Fort Collins, CO, April 2017
31. **Blikslager AT.** Small colon impactions and rectal tears. Colorado State University Annual Conference for Veterinarians, Fort Collins, CO, April 2017
32. **Blikslager AT.** Pros and cons of NSAIDs as analgesics in horses with visceral (colic) pain. Equine Animal Health Symposium 'Pain management in the Sports Horse' New Bolton Center, University of Pennsylvania, Kennett Square, PA, April 2017.
33. **Blikslager AT.** NSAIDs in horses: A tale of two COX's. Meril Annual Sales Meeting, St. Louis, MO, July 2016

34. **Blikslager AT.** Mechanisms of Recovery from Ischemic Mucosal Injury. UNC-NC State Center for Gastrointestinal Biology and Disease Seminar Series, July 2016
35. **Blikslager AT.** GI Leak Model Development. Brinker Advisory Panel, Ethicon Inc., Somerville NJ, August 2015
36. **Blikslager AT.** Control of pain in horses with colic. XVI Conferencia ABRAVEQ, Agua de Lindoia, SP, Brazil, June 2015.
37. **Blikslager AT.** Early Detection of Strangulating Colic in Horses. XVI Conferencia ABRAVEQ, Agua de Lindoia, SP, Brazil, June 2015.
38. **Blikslager AT.** Critical decision-making in horses with acute colic. XVI Conferencia ABRAVEQ, Agua de Lindoia, SP, Brazil, June 2015.
39. **Blikslager AT.** Management of chronic and non-healing wounds. XVI Conferencia ABRAVEQ, Agua de Lindoia, SP, Brazil, June 2015.
40. **Blikslager AT.** Differential diagnosis of impaction colic in horses. Haramaya University College of Veterinary Medicine, Debre Zeyt, Ethiopia, November 2014
41. **Blikslager AT.** Management of chronic and non-healing wounds. Haramaya University College of Veterinary Medicine, Debre Zeyt, Ethiopia, November 2014
42. **Blikslager AT.** Understanding Dressage and common injuries in the dressage horse. NCVF, Raleigh, NC, November 2014.
43. **Blikslager AT.** NSAIDs and GI mucosal integrity: What holds up? British Equine Veterinary Association, Birmingham, UK, September 2014
44. **Blikslager AT.** Management of chronic and non-healing wounds. British Equine Veterinary Association, Birmingham, UK, September 2014
45. **Blikslager AT.** Reducing and managing post-operative complications. British Equine Veterinary Association, Birmingham, UK, September 2014
46. **Blikslager AT.** COX-2 inhibitors for treatment of colic in horses. Boehringer-Ingelheim - South Africa Continuing Professional Development, Johannesburg & Durban, South Africa, March 2014
47. **Blikslager AT.** Intestinal seromuscular injury. ACVS Surgical Summit, San Antonio, TX, October 2013
48. **Blikslager AT.** Porcine models for translational approaches to intestinal stem cells. NCSU-UNC Regenerative Medicine Symposium, Research Triangle Park, NC, October 2013
49. **Blikslager AT.** Medicating horses with colic. World Equine Veterinary Association 13th Congress, Budapest, Hungary, October 2013.
50. **Blikslager AT.** Triaging horses with colic. World Equine Veterinary Association 13th Congress, Budapest, Hungary, October 2013.
51. **Blikslager AT.** Ileus – Have we learnt anything recently? British Equine Veterinary Association Congress, Manchester, UK, September 2013.
52. **Blikslager AT.** NSAIDs: Do we need to worry about side effects? British Equine Veterinary Association Congress, Manchester, UK, September 2013.
53. **Blikslager AT.** Return to performance in horses with colic surgery. The Practitioner 2013;2:22-23.
54. **Blikslager AT.** Lubiprostone restores barrier function in a porcine model of stress-induced intestinal dysfunction. Sucampo Annual Advisory Board, Washington DC, August 2013
55. **Blikslager AT.** Mechanisms of Small Intestinal Repair Mucosal Repair. Duke Gastrointestinal Research Conference, Durham NC, May 2013.
56. **Blikslager AT.** Care and use of animals in biomedical research. North Carolina Association of Veterinary Technicians Spring Conference, Raleigh NC, March 2013.
57. **Blikslager AT.** Triaging Equine Colic Patients. Midwest Veterinary Conference, Columbus OH, February 2013.

58. **Blikslager AT.** Treating Pain in Horses with Colic. Midwest Veterinary Conference, Columbus OH, February 2013
59. **Blikslager AT.** Cost and Prognosis of Colic Midwest Veterinary Conference, Columbus OH, February 2013
60. **Blikslager AT.** Diagnosis and Treatment of Impaction Colic Midwest Veterinary Conference, Columbus OH, February 2013
61. **Blikslager AT.** Small Colon Impaction. Midwest Veterinary Conference, Columbus OH, February 2013
62. **Blikslager AT.** Fluid Treatment of Horses with Colic. Midwest Veterinary Conference, Columbus OH, February 2013
63. **Blikslager AT.** Pain Management in Horses with Colic. 50th Annual Ocala Equine Conference, Ocala FL, November 2012
64. **Blikslager AT.** Return to Performance in Horses with Colic Surgery. 50th Annual Ocala Equine Conference, Ocala FL, November 2012
65. **Blikslager AT.** Why do Horses get Colic? 50th Annual Ocala Equine Conference, Ocala FL, November 2012
66. **Blikslager AT.** Infectious Disease, Inflammation, and their Effect on Gut Barrier Function. 9th International Conference on Equine Infectious Diseases, Lexington KY, October 2012
67. **Blikslager AT.** Formulating Prognoses and Cost Estimates in Colic. 2nd Annual Potomac Regional Veterinary Conference, Washington DC, September 2012
68. **Blikslager AT.** Differential Diagnosis of Impaction Colic. 2nd Annual Potomac Regional Veterinary Conference, Washington DC, September 2012
69. **Blikslager AT, Nighot MP.** The Critical Role of CIC-2 in Barrier Repair in NSAID-Induced Gastritis. Sucampo Annual Advisory Board, San Francisco CA, August 2012
70. **Blikslager AT, Merritt AM.** Equine Interactive Case Discussions. 45th European Veterinary Conference, Amsterdam, Netherlands, April 2012
71. **Merritt AM, Blikslager AT.** Equine Primary Gastric Impaction. 45th European Veterinary Conference, Amsterdam, Netherlands, April 2012
72. **Blikslager AT.** Colic News Hour. 45th European Veterinary Conference, Amsterdam, Netherlands, April 2012
73. **Blikslager AT.** Causes of Equine Colic. American Pre-Veterinary Medical Association, NC State University, Raleigh NC, March 2012
74. **Blikslager AT.** What's New in Pain Control for Horses with Colic? Finnish Annual Veterinary Meeting, Helsinki, Finland, December, 2011
75. **Blikslager AT.** Reducing the Time to Referral for Horses with Colic. Finnish Annual Veterinary Meeting, Helsinki, Finland, December, 2011
76. **Blikslager AT.** Differential Diagnosis for Impaction Colic. Finnish Annual Veterinary Meeting, Helsinki, Finland, December, 2011
77. **Blikslager AT.** Early Detection of Strangulating Colic in Horses. Finnish Annual Veterinary Meeting, Helsinki, Finland, December, 2011
78. **Blikslager AT.** Advances in Pain Management in Horses. 12th World Equine Veterinary Association Conference, Hyderabad, India, December 2011
79. **Blikslager AT.** Triaging Colic Patients. 49th Annual Ocala Equine Conference, Ocala FL, October 2011
80. **Blikslager AT.** Formulating Prognoses and Cost Estimates in Colic. 49th Annual Ocala Equine Conference, Ocala FL, October 2011
81. **Blikslager AT.** How to Deal with Rectal Tears. 49th Annual Ocala Equine Conference, Ocala FL, October 2011

82. **Blikslager AT.** Update on COX-2 Inhibitors as a New Therapeutic Modality for Critical Care. 17th International Veterinary Emergency and Critical Care Symposium, Nashville TN, September 2011
83. **Blikslager AT.** Current Understanding of Inflammatory Pathways in Postoperative Ileus. 17th International Veterinary Emergency and Critical Care Symposium, Nashville TN, September 2011
84. **Blikslager AT.** The Importance of the Chloride Channel 2 (ClC-2) in Post-Ischemic Mucosal Repair. 17th International Veterinary Emergency and Critical Care Symposium, Nashville TN, September 2011
85. **Blikslager AT.** Update on COX-2 Inhibitors as a New Therapeutic Modality for Critical Care. 17th International Veterinary Emergency and Critical Care Symposium, Nashville TN, September 2011
86. **Blikslager AT.** ClC-2 - the Key to Barrier Repair in IBD? Center for Gastrointestinal Biology and Disease, University of North Carolina, Chapel Hill, August 2011
87. **Blikslager AT.** The role of ClC-2 in Barrier Repair in IBD. Sucampo Annual Advisory Board, Napa CA, August 2011
88. **Blikslager AT.** Triaging Equine Colic Patients. Missouri Veterinary Medical Association Annual Summer Symposium. Columbia MO, June 2011
89. **Blikslager AT.** Predicting Prognosis and Cost of Colic. Missouri Veterinary Medical Association Annual Summer Symposium. Columbia MO, June 2011
90. **Blikslager AT.** What's New in Medicating Horses with Colic. Missouri Veterinary Medical Association Annual Summer Symposium. Columbia MO, June 2011
91. **Blikslager AT.** Differential Diagnosis for Impaction Colic. Missouri Veterinary Medical Association Annual Summer Symposium. Columbia MO, June 2011
92. **Blikslager AT.** Early Detection of Strangulating Obstruction. Missouri Veterinary Medical Association Annual Summer Symposium. Columbia MO, June 2011
93. **Blikslager AT.** Oesophageal Choke in Horses. British Equine Veterinary Association Veterinary Regional Meeting, Glasgow UK, May 2011
94. **Blikslager AT.** Acute Colic in Foals and Adults. British Equine Veterinary Association Veterinary Regional Meeting, Glasgow UK, May 2011
95. **Blikslager AT.** Distinguished Clinician Scientist Presentation, The Pathway from Colic to Basic Science - a Traveler's Guide. NC State University, May, 2011.
96. **Blikslager AT.** Non-Steroidal Anti-Inflammatory Drug Use in the Horse with Colic. French Equine Congress, Normandy, France, February, 2011.
97. **Blikslager AT.** Cecal Impaction. Central Veterinary Conference, San Diego CA, November 2010
98. **Blikslager AT.** Fluid Therapy. Central Veterinary Conference, San Diego, November 2010
99. **Blikslager AT.** Management of Ileus and Adhesions. Central Veterinary Conference, San Diego CA, November 2010
100. **Blikslager AT.** Differential Diagnosis for Impaction Colic. Central Veterinary Conference, San Diego CA, November 2010
101. **Blikslager AT.** What's new in Medicating Horses with? Central Veterinary Conference, San Diego, November 2010
102. **Blikslager AT.** Formulating a Prognosis and Cost Estimates in Colic. Central Veterinary Conference, San Diego CA, November 2010
103. **Blikslager AT.** Early Delectation of Strangulating Colic. Central Veterinary Conference, San Diego CA, November 2010
104. **Blikslager AT.** Small Colon Impaction. Central Veterinary Conference, San Diego CA, November 2010

105. **Blikslager AT.** Approach to Difficult Cases of Colic in Horses. British Columbia Veterinary Medical Association, Victoria, Canada, October 2010.
106. **Blikslager AT.** What Part does Critical Care Play in Treatment of Colic? British Columbia Veterinary Medical Association, Victoria, Canada, October 2010.
107. **Blikslager AT.** Differential Diagnosis of Horses with Small Intestinal Strangulating Obstruction. British Columbia Veterinary Medical Association, Victoria, Canada, October 2010.
108. **Blikslager AT.** Survival in Horses with Small Intestinal Strangulating Obstruction. British Columbia Veterinary Medical Association, Victoria, Canada, October 2009.
109. **Blikslager AT.** How to Deal with Rectal Tears. British Columbia Veterinary Medical Association, Victoria, Canada, October 2010.
110. **Blikslager AT.** What's New in Pain Control for Horses with Colic? British Columbia Veterinary Medical Association, Victoria, Canada, October 2010.
111. **Blikslager AT.** How to Diagnose and Treat Cecal Impaction. British Columbia Veterinary Medical Association, Victoria, Canada, October 2010.
112. **Blikslager AT.** Reducing the Time to Referral in Horses with Colic. British Columbia Veterinary Medical Association, Victoria, Canada, October 2010.
113. **Blikslager AT.** What's New in Pain Control for Horses with Colic? British Columbia Veterinary Medical Association, Victoria, Canada, October 2010.
114. **Blikslager AT.** Managing Rectal Tears. American College of Veterinary Surgeons Symposium, October, 2010.
115. **Blikslager AT.** Chloride Channel Type-2 is Critical for Recovery of Acutely Injured Intestine. Sucampo Annual Advisory Board, Napa CA, August 2010
116. **Blikslager AT.** Critical Decisions in Colic. American Association of Equine Practitioners, Las Vegas NV, December 2009
117. **Blikslager AT.** Advances in Management of Small Intestinal Disease Causing Colic. American Association of Equine Practitioners, Las Vegas NV, December 2009
118. **Blikslager AT.** NSAIDs: Uses and abuses. North Carolina Veterinary Conference, Raleigh NC, November 2009
119. **Blikslager AT.** Resident's Workshop: Gastrointestinal Physiology. American College of American Surgeons, Washington DC, October 2009
120. **Blikslager AT.** Ileal Impactions. American College of Veterinary Surgeons, Washington DC, October 2009
121. **Blikslager AT.** Overview of clinical research from the Equine Health Program. Foothill Nature Equestrian Center Equine Health Program Symposium, Tryon NC, September 2009
122. **Blikslager AT.** Role of NSAIDs in the management of pain in horses. AAEP Focus Meeting, Columbus OH, September 2009
123. **Blikslager AT.** CIC-2 Knockout Mice have Impaired Post-Ischemic Intestinal Barrier Recovery. 36th International Congress of the International Union of Physiological Sciences, Kyoto, Japan, August 2009.
124. **Blikslager AT.** CIC-2 Knockout Mice have Impaired Post-Ischemic Intestinal Barrier Recovery. Ion Channels, Membrane Transport Systems: Function, Structure and Physiology, Kyoto, Japan, August 2009.
125. **Blikslager AT.** Mechanisms of Intestinal Repair. 11th International Symposium on Digestive Physiology of Pigs. Barcelona, Spain, May 2009.
126. **Blikslager AT.** Initial Management of Rectal Tears. North American Veterinary Conference, Orlando FL, January 2009
127. **Blikslager AT.** Cecal Impactions. North American Veterinary Conference, Orlando FL, January 2009

128. **Blikslager AT.** Colic: Field Work Up and When to Refer. North American Veterinary Conference, Orlando FL, January 2009
129. **Blikslager AT.** Use of NSAIDs in Horses. North American Veterinary Conference, Orlando FL, January 2009
130. **Blikslager AT.** Initial Management of Rectal Tears. North American Veterinary Conference, Orlando FL, January 2009
131. **Blikslager AT.** Differential Diagnosis of Small Intestinal Obstruction. North American Veterinary Conference, Orlando FL, January 2009
132. **Blikslager AT.** Chloride Channel Type-2 is Critical for Recovery of Acutely Injured Intestine. Cobiprostone/ Lubiprostone Advisory Board Meeting, Napa Valley CA, August 2008
133. **Blikslager AT.** Research Surgery. Duke Laboratory Animal Resources, Durham NC, June 2008
134. **Blikslager AT.** How to Decide when to Refer an Equine Colic Case. Society of Italian Equine Veterinarians, Milan, Italy, May 2008
135. **Blikslager AT.** Impaction Colic. Society of Italian Equine Veterinarians, Milan, Italy, May 2008
136. **Blikslager AT.** How to Approach Initial Treatment of Colic. Society of Italian Equine Veterinarians, Milan, Italy, May 2008
137. **Blikslager AT.** What's New in Medicating Equine Colic? Society of Italian Equine Veterinarians, Milan, Italy, May 2008
138. **Blikslager AT.** What is Strangulation Colic? Society of Italian Equine Veterinarians, Milan, Italy, May 2008
139. **Blikslager AT.** Importance of Gut Health and Barrier Function in Equine Colic. Boehringer-Ingelheim Symposium on Equine Colic, Hannover, Germany; Utrecht University, Netherlands; Copenhagen, Denmark, March 2008
140. **Blikslager AT.** Clinical Complications in Colic. Boehringer-Ingelheim Symposium on Equine Colic, Hannover, Germany; Utrecht University, Netherlands; Copenhagen, Denmark, March 2008
141. **Blikslager AT.** Initial Medical Treatment and Follow-up of Horses with Colic. Boehringer-Ingelheim Symposium on Equine Colic, Hannover, Germany; Utrecht University, Netherlands; Copenhagen, Denmark, March 2008
142. **Blikslager AT.** COX-2 in Horses: Small Colon Impaction. Cornell Practitioner's Conference, Ithaca NY, November 2007
143. **Blikslager AT.** COX-2 in Horses: What is Available and What Will We Have in the Future? Cornell Practitioner's Conference, Ithaca NY, November 2007
144. **Blikslager AT.** What's New in Equine Research at NC State? North Carolina Veterinary Conference, Research, Triangle Park NC, November 2007
145. **Blikslager AT.** Triaging Equine Colic Patients. Central Veterinary Conference, Kansas City MO, September 2007
146. **Blikslager AT.** Important Financial Decisions in Equine Colic. Central Veterinary Conference, Kansas City MO, September 2007
147. **Blikslager AT.** Early Detection of Strangulating Obstruction. Central Veterinary Conference, Kansas City MO, September 2007
148. **Blikslager AT.** Cecal Impaction. Central Veterinary Conference, Kansas City, MO September 2007
149. **Blikslager AT.** Small Colon Impaction. Central Veterinary Conference, Kansas City MO, September 2007
150. **Blikslager AT.** Oral Fluid Therapy. Central Veterinary Conference, Kansas City MO, September 2007

151. **Blikslager AT.** What's New in Medicating for Equine Colic? Central Veterinary Conference, Kansas City MO, September 2007
152. **Blikslager AT.** Differential Diagnosis for Impaction Colic. Central Veterinary Conference, Kansas City MO, September 2007
153. **Blikslager AT.** Advances in analgesia in Equine Colic. American Veterinary Medical Association Annual Convention, Washington DC, July 2007
154. **Blikslager AT.** Important Financial Decisions in Equine Colic. American Veterinary Medical Association Annual Convention, Washington DC, July 2007
155. **Blikslager AT.** Management of Large Colon Impaction. American Veterinary Medical Association Annual Convention, Washington DC, July 2007
156. **Blikslager AT.** Impact of COX Inhibitors on Intestinal Barrier Function. American Veterinary Medical Association Annual Convention, Washington DC, July 2007
157. **Blikslager AT.** Science Behind Key Postoperative Complications. American Veterinary Medical Association Annual Convention, Washington DC, July 2007
158. **Blikslager AT.** Small Intestinal Obstruction. American Veterinary Medical Association Annual Convention, Washington DC, July 2007
159. **Blikslager AT.** The link between gut transport and mucosal repair in knockout mice. Center for Gastrointestinal Biology and Disease Research Seminar, University of North Carolina-Chapel Hill NC, April 2007
160. **Blikslager AT.** Equine Colic. Student American Veterinary Medical Association Symposium, Raleigh NC, March 2007
161. **Blikslager AT.** How is pain recognized? Equine Health Symposium, Raleigh NC, February 2007
162. **Blikslager AT.** Impact of NSAIDs on intestinal barrier function. Comparative Biomedical Seminar Series, University of Minnesota, St. Paul MN, December 2006
163. **Blikslager AT.** Wanted: Clinician and Basic Scientist All Wrapped into One. Louisiana State University Annual Phi Zeta Presentation, Baton Rouge LA, September 2006
164. **Blikslager AT.** Oral fluid therapy for gastrointestinal disease. British Equine Veterinary Association Convention, Birmingham UK, September 2006
165. **Blikslager AT.** Medical management of simple obstructions. British Equine Veterinary Association Convention, Birmingham UK, September 2006
166. **Blikslager AT.** Rational use of current and new NSAIDs. British Equine Veterinary Association Convention, Birmingham UK, September 2006
167. **Blikslager AT, Belknap J.** Effective NSAID use in the laminitic horse. British Equine Veterinary Association Convention, Birmingham UK, September 2006
168. **Blikslager AT, Moeser AJ.** Mucosal Reparative Effects of Lubiprostone in Ischemic Intestine. Sucampo Inc. Scientific Advisory Board, Napa Valley CA, August 2006
169. **Blikslager AT.** Decision making in colic management. European College of Veterinary Surgeons Annual Meeting, Seville, Spain, July 2006
170. **Blikslager AT.** Progress in postoperative management of colic. European College of Veterinary Surgeons Annual Scientific Meeting, Seville, Spain, July 2006
171. **Blikslager AT.** NSAIDs and gut permeability – implications for postoperative care. European College of Veterinary Surgeons Annual Scientific Meeting, Seville, Spain, July 2006
172. **Blikslager AT.** Effects of NSAIDs on the barrier function of the gut. Michigan State University & Michigan State Veterinary Medical Association, East Lansing MI, February 2006
173. **Blikslager AT.** Differential diagnosis for impaction colic in horses. Western State Veterinary Conference, Las Vegas NV, February 2006

174. **Blikslager AT.** What's new for medicating horse for colic? Western State Veterinary Conference, Las Vegas NV, February 2006
175. **Blikslager AT.** Triaging the equine colic patient. Western State Veterinary Conference, Las Vegas NV, February 2006
176. **Blikslager AT.** Predicting the cost and prognosis of colic Western State Veterinary Conference, Las Vegas NV, February 2006
177. **Blikslager AT.** Effect of NSAIDs on the barrier function of the gut. American College of Veterinary Surgeons Symposium, San Diego CA, October 2005
178. **Blikslager AT.** Update on abdominal adhesions. American College of Veterinary Surgeons Annual Symposium, San Diego CA, October 2005
179. **Blikslager AT.** Principles of treatment for impaction – laxatives, fluid therapy and analgesia. American Association of Equine Practitioners Equine Colic Focus Meeting, Quebec, Canada, August, 2005
180. **Blikslager AT.** Treatment of gastrointestinal obstruction – stomach impaction, ileal impaction, and cecal impaction. American Association of Equine Practitioners Equine Colic Focus Meeting, Quebec, Canada, August 2005
181. **Blikslager AT.** Practical treatment of ileus. American Association of Equine Practitioners Equine Colic Focus Meeting, Quebec, Canada, August 2005
182. **Blikslager AT.** Ischemia-reperfusion injury. American College of Veterinary Surgeons Resort Meeting, Bretton Woods NH, August 2005
183. **Blikslager AT.** Intensive care of the colic patient. American Board of Veterinary Practitioners Symposium, Washington DC, May 2005
184. **Blikslager AT.** Pathophysiology and Management of Ileus and Adhesions. American Board of Veterinary Practitioners Symposium, Washington DC, May 2005
185. **Blikslager AT.** Small Colon Impaction. American Board of Veterinary Practitioners Symposium, Washington DC, May 2005
186. **Blikslager AT.** Triaging horses with colic. Equine Medicine Advanced Diploma Series, Santiago, Chile, September 2005
187. **Blikslager AT.** Differential diagnosis of colic in horses. Equine Medicine Advanced Diploma Series, Santiago, Chile, September 2005
188. **Blikslager AT.** Medical and surgical treatment of horses with colic. Equine Medicine Advanced Diploma Series, Santiago, Chile, September 2005
189. **Blikslager AT.** Postoperative complications of colic surgery in horses. Equine Medicine Advanced Diploma Series, Santiago, Chile, September 2005
190. **Blikslager AT.** Equine colic case discussions. Equine Medicine Advanced Diploma Series, Santiago, Chile, September 2005
191. **Blikslager AT. State-of-the-Art Address:** Impact of COX Inhibitors on Recovery of Intestinal Barrier Function. American College of Veterinary Internal Medicine Forum, Baltimore MD, May 2005
192. **Blikslager AT. State-of-the-Art Address:** Critical Link Between Mucosal Transport and Mucosal Recovery in Ischemic-Injured Intestine. American College of Veterinary Internal Medicine Forum, Baltimore MD, May 2005
193. **Blikslager AT.** Promoting Intestinal Repair. American College of Veterinary Surgeons Symposium, San Diego CA, October 2005
194. **Blikslager AT.** Promoting Intestinal Repair. ACVS Veterinary Symposium, Denver CO, October 2004
195. **Blikslager AT.** Moving Ileus. ACVS Veterinary Symposium, Denver CO, October 2004, Proceedings pp. 178-180
196. **Blikslager AT.** Colic in geriatric horses. British Equine Veterinary Association Congress, Birmingham, UK, September 2004

197. **Blikslager AT.** Can survival be predicted from postoperative data in horses with colic? British Equine Veterinary Association Congress, Birmingham, UK, September 2004
198. **Blikslager AT.** Management of rectal tears. British Equine Veterinary Association Congress, Birmingham, UK, September 2004
199. **Blikslager AT.** Comparative veterinary biomedical research in intestinal ischemia-reperfusion injury. Digestive Disease Week, Orlando FL, May 2003
200. **Blikslager AT.** Gastrointestinal ion transport mechanisms I & II. American College of Veterinary Internal Medicine Forum, Charlotte NC, May 2003
201. **Blikslager AT.** Practice nightmare: dystocia in the mare. British Equine Veterinary Association Congress, Glasgow, Scotland, UK, September 2002
202. **Blikslager AT.** The pathophysiological considerations in small intestinal surgery. British Equine Veterinary Association Congress, Glasgow, Scotland, UK, September 2002
203. **Blikslager AT.** NSAIDs and gut barrier function: a tale of two cyclooxygenases. Oklahoma State University Summer Research Seminar Series, Stillwater, OK, August 2002
204. **Blikslager AT.** Wanted: clinician and basic scientist all wrapped into one. Oklahoma State University, Summer Research Seminar Series, Stillwater OK, August 2002
205. **Blikslager AT.** Alternative COX-2 inhibitors for management of pain in horses. American College of Veterinary Internal Medicine Forum, Denver CO, May 2002
206. **Blikslager AT.** Surgical disease of the equine upper respiratory tract. Mid-Atlantic States Veterinary Clinic, Baltimore MD, May 2002
207. **Blikslager AT.** Equine upper respiratory surgery: case presentations. Mid-Atlantic States Veterinary Clinic, Baltimore MD, May 2002
208. **Blikslager AT.** Colic: diagnostic and therapeutic update. Mid-Atlantic States Veterinary Clinic, Baltimore MD, May 2002
209. **Blikslager AT.** Computed Tomography. North Carolina Veterinary Conference, Research Triangle Park NC, November 2002
210. **Blikslager AT.** Reproductive Surgery: C-section, uterine torsion and ovariectomy. North Carolina Veterinary Conference, Research Triangle Park NC, November 2001
211. **Blikslager AT.** Intestinal Mucosal Repair. ACVS Veterinary Symposium Chicago IL, October 2001
212. **Blikslager AT.** Therapeutics update: Colic. Southeastern Veterinary Conference, Myrtle Beach SC, June 2001
213. **Blikslager AT.** COX-2 inhibitors in equine practice. Southeastern Veterinary Conference, Myrtle Beach SC, June 2001
214. **Blikslager AT.** Management of rectal tears. Southeastern Veterinary Conference, Myrtle Beach SC, June 2001
215. **Blikslager AT.** The role of NSAIDs in recovery of intestinal barrier function. American College of Veterinary Internal Medicine Forum, Denver CO, May 2001
216. **Blikslager AT.** Management of rectal tears. North Carolina Veterinary Conference, Research Triangle Park NC, November 2000
217. **Blikslager AT.** Therapeutics update: Colic. North Carolina Veterinary Conference, Research Triangle Park NC, November 2000
218. **Blikslager AT.** Mechanisms of Gastrointestinal Injury. 2000 Practitioner's Symposium, American Board of Veterinary Practitioners, Dallas TX, June 2000
219. **Blikslager AT.** Mechanisms of Gastrointestinal Repair. 2000 Practitioner's Symposium, American Board of Veterinary Practitioners, Dallas TX, June 2000
220. **Blikslager AT.** The Role of COX-2 Inhibitors. 2000 Practitioner's Symposium, American Board of Veterinary Practitioners, Dallas TX, June 2000
221. **Blikslager AT.** Update on Surgical Colic. 2000 Practitioner's Symposium, American Board of Veterinary Practitioners, Dallas TX, June 2000

222. **Blikslager AT.** Postoperative Complications. American Board of Veterinary Practitioners, Dallas TX, June 2000
223. **Blikslager AT.** Rectal Tears. 2000 Practitioner's Symposium, American Board of Veterinary Practitioners, Dallas TX, June 2000
224. **Blikslager AT.** The future of NSAID treatment for gastrointestinal disease. Symposium of the American College of Veterinary Surgeons 1999
225. **Blikslager AT.** Lameness in the Dressage Horse. North Carolina Veterinary Conference 1998
226. **Blikslager AT.** Mechanisms of intestinal repair. Annual Symposium of the American College of Veterinary Surgeons 1998
227. **Blikslager AT.** Colic Surgery - What's involved? Video Horse Management Series, North Carolina State University 1998
228. **Blikslager AT.** A review of the laser in large animal surgery. Annual Symposium of the American College of Veterinary Surgeons 1996
229. **Blikslager AT.** Mechanisms of intestinal repair. Center for the study of Gastrointestinal Biology and Disease, Pilot/ feasibility grant presentation 1996
230. **Blikslager AT.** Intestinal reperfusion injury: clinical concern or irrelevant concept? Gut club (UNC, NC State, & Duke) 1995
231. **Blikslager AT.** Holding power of orthopedic bone screws in large metacarpal and metatarsal bones of calves. Southeastern Veterinary Surgeons Conference 1992.
232. **Blikslager AT.** Use of local anesthesia in the equine lameness examination. North Carolina State University, College of Veterinary Medicine Homecoming Conference 1990

Titles of Presentations at Teaching and Grant Workshops

1. Gonzalez LM, **Blikslager AT.** Mucosal gut barrier function in a comparative pig model. Institut Pasteur de Dakar, Senegal, February 2020
2. **Blikslager AT,** Adams G. Research project management. Burroughs Wellcome Foundation Becoming Faculty Workshop, Cornell University, Ithaca NY 2014
3. **Blikslager AT.** Working with graduate students. New Faculty Orientation, North Carolina State University, Raleigh NC 2014
4. **Blikslager AT,** Adams G. Mentoring graduate students. Burroughs Wellcome Foundation Becoming Faculty Workshop, Michigan State University, East Lansing, MI 2013
5. **Blikslager AT,** Andrews-Polymenis H. Grant getting. Burroughs Wellcome Foundation Becoming Faculty Workshop, University of Florida, Orlando, FL, 2011
6. **Blikslager AT,** Breen M. Managing your life and your time. Burroughs Wellcome Foundation Becoming Faculty Workshop, North Carolina State University, Raleigh NC, 2009
7. **Blikslager AT.** Grant workshop. Washington State University, Pullman WA, 2007

Titles of Invited Continuing Education Presentations where the primary audience was not professionals

1. **Blikslager AT,** Ziegler AL. Advances in recognition and treatment of pain in horses with colic. Grayson Jockey Club Research Foundation, Webinar, August 2020
2. **Blikslager AT.** Equine NSAIDs and Management of Colic. Carolina Equine Hospital Open House, Browns Summit, NC, January 2017
3. **Blikslager AT.** Colic 101. American Pre-Veterinary Medical Association, Raleigh, NC, March 2017

4. **Blikslager AT.** Colic in North Carolina: What you need to know. Guilford County Extension 2015 Horse Management Short Course Program, February 2015
5. Cardenas F, **Blikslager AT.** The importance of horse insurance. Equine Health Symposium, Raleigh NC, February 2013
6. **Blikslager AT.** An owner's guide to the interaction of nutrition and colic in the horse. Equine Health Symposium, Raleigh NC, February 2013
7. **Blikslager AT.** Equine Colic. Pepperwood Horse Health Fair, Pepperwood Farm, Fuquay-Varina, NC, March, 2012
8. **Blikslager AT.** Decreasing colic risk and health of the hindgut. Triangle Horse Sports, Raleigh, NC, November, 2010
9. **Blikslager AT.** Study of the demographics and trends of horses donated to the North Carolina State University. North Carolina's Unwanted Horse Symposium, Iredell Agriculture Center, Statesville, NC, September 2010
10. **Blikslager AT.** Overview of clinical research from the Equine Health Program. Foothill Nature Equestrian Center Equine Health Program Symposium, Tryon, NC, September 2009
11. **Blikslager AT.** What's new in treatment of equine pain. Equine Medicine Symposium, Raleigh, NC, February 2009
12. **Blikslager AT.** Beating equine colic. Equine Extravaganza, Raleigh, NC, July 2008
13. **Blikslager AT.** How cutting-edge treatments are developed. Equine Medicine Symposium, Raleigh, NC, February 2007
14. **Blikslager AT.** Non-steroidal anti-inflammatory drugs in the horse. Southern Horse Festival, Raleigh, NC, December 2004
15. **Blikslager AT.** Battling colic: the colic research program at NCSU CVM. Southern Horse Festival, Raleigh, NC, December 2003
16. **Blikslager AT.** Consider human NSAIDs to nurse pain in horses. DVM Magazine, Chicago, IL, September 2002
17. **Blikslager AT.** Colic surgery and the results. Horse Managers' Short Course, North Carolina State University, Raleigh, NC, January 1996
18. **Blikslager AT.** Research update: Rectal tears in horses. NCSU Horse Farm Managers Short Course, Raleigh, NC, May 1992

Teaching Experience

2000-2020 764	Advances in Gastrointestinal Pathophysiology	CBS
	(Course Developer and Coordinator)	
2012-2020 991-245	Colic Selective	VMC
	(Course Developer and Coordinator)	
2014-2020 624	Problems in Gastrointestinal Physiology	CBS
	(Co-Course Coordinator)	
2014-2016 ANS110	Introduction to Equine Science	
2012-2020 662	Professional Conduct in Biomedical Research	CBS
2010-2020	Advanced Topics in Equine Medicine and Surgery	VMC 911
2007-2017 565	Fundamentals of Biomedical Sciences	CBS

2004-2007	Topical Problems in Animal Science	ANS 495
1998-2011	Equine Medicine and Surgery	VMC
952		
1998-2020	Large Animal Surgical and Diagnostic Techniques	VMC 965
1999-present	Equine Junior Teaching Animal Unit Laboratory	VMC
956		
1999-2003	Principles of Surgery Laboratory	VMC 932
1999	Current Topics in Equine Practice Selective	VMC 991
1999	Clinical Problem Solving in Veterinary Practice	VMF
912		
1993-2001	Veterinary Physiology	VMA
	823	
1991-2008	Equine Surgery, Senior Clinics	VMC
975		
1990-1991	Food Animal Medicine and Surgery Clinics	VMF 870
1990-1994	Teaching Animal Unit Laboratories	VMF 816, 836
1990-1997	Food Animal Lameness	VMF
862		