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Erin Elizabeth Kaiser, PhD

EDUCATION

PhD, Neuroscience, University of Georgia, December 2019

BSA, Animal Science and Dairy Science, University of Georgia, December 2013

RELEVANT EXPERIENCE

Graduate Research Assistant, University of Georgia, Athens, GA, May 2015-Present

- Conceptualized, implemented, and analyzed research endeavors funded by the National Institute of Health and the Department of Defense
- Conducted multi-institutional, collaborative research within academic and private sectors
- Assessed the therapeutic efficacy of novel neuroprotectants (ie neural stem cell-derived extracellular vesicles and drug-loaded nanoparticles) and neuroregenerative agents (ie induced pluripotent stem cell-derived neural stem cells) in neural injury models
- Promoted an environment of clear and consistent communication between colleagues
- Managed and coordinated daily activities of associate professors, medical doctors, veterinarians, neurologists, pathologists, veterinary residents, post-doctoral fellows, laboratory technicians, and undergraduate researchers
- Performed multiple intracerebral stem cell transplantation surgeries
- Optimized, collected, and analyzed magnetic resonance imaging (MRI) protocols
- Developed and enforced detailed animal use protocols (AUPs)
- Ensured laboratory animal husbandry complied with Institutional Animal Care and Use Committee (IACUC) regulations and the Guide for the Care and Use of Laboratory Animals
- Operated and maintained animal anesthesia for surgical and MRI purposes
- Organized and maintained a biosafety level-2 human stem cell laboratory including reagent and equipment ordering, maintenance of cell culture incubator and fume hoods, and coordinating biohazard disposal to maintain strict biosafety protocols
- Generated GFP⁺ neural stem cells (NSCs) that maintained robust proliferation and differentiation potentials in order to improve cellular tracking post-transplantation procedures
- Authored a F31 National Institute of Health (NIH) Fellowship Grant for the evaluation of NSC-derived extracellular vesicles on modulating the inflammatory secondary injury cascade and enhancing transplanted NSC survivability in ischemic stroke

Teaching Assistant and Graduate Mentor, University of Georgia, Athens, GA, August 2010-December 2012, August 2015-Present

- Supervised over 200 graduate and undergraduate student researchers resulting in multiple academic presentations at local, regional, and international conferences
- Instructed undergraduates to improve public speaking skills resulting in fellowship and symposium presentation awards
- Lectured undergraduate biotechnology and animal science courses to over 300 students while fostering an environment of interactive learning
- Individually engaged with students to improve understanding of complex learning modules resulting in recruitment to medical, veterinary, and graduate schools

Surgical Assistant and Veterinary Technician, Peterson and Smith Equine Hospital, Ocala, FL, February 2012 – May 2015

- Assisted surgeons with a variety of intraoperative procedures while maintaining sterile technique
- Aided in routine exams including neurological and ocular evaluations, endoscopies, joint injections, nuclear scintigraphy, and MRI
- Responded to emergency cases and anticipated the needs of veterinarians while remaining emotionally competent to clients
- Performed laboratory and pathological diagnostic tests including blood panels and histological examinations
- Placed intravenous catheters to administer emergency and post-operative medications
- Tailored communication to clients to ensure concise understanding of multifaceted diagnostic procedures and prognostic outcomes
- Facilitated formulation of effective treatment plans based on patient needs and client financial restrictions

LABORATORY SKILLS

Human stem cell culture including hNSCs and iPSCs, RT-PCR, Gel Electrophoresis, qRT-PCR, Immunohistochemistry, Immunocytochemistry, Flow Cytometry, RNA/DNA Isolation/Purification/Quantification, Lentiviral Transductions, Piggybac™ Transposon Vector Transfections, Laboratory Animal Handling, Emergency and Post-Operative Veterinary Care, Endotracheal Intubation, Anesthesia Induction and Monitoring, Intracerebral Stem Cell Transplantation, Tissue Handling/Processing, MRI Protocol Development, MRI Collection and Analysis

EQUIPMENT UTILITY

Siemens and GE 3T MRI, Continuous-Flow Anesthesia Machine, Cortical Impactor, Stereotaxic injector, Centrifuge, Autoclave, Laminar Flow Hoods, Liquid Nitrogen Dewar, Micropipettes, Thermocycler, Flex Station Plate Reader, DSU Confocal Microscope, Phase Contrast Microscope, Flow Cytometer, Cytation 5

COMPUTATIONAL SKILLS

Microsoft Office, Statistical Analysis System (SAS), Sigmaplot, GraphPad Prism, Adobe Photoshop, ImagePro, ImageJ, QCapture, Softmax Pro, ExpressionSuite, MetaboAnalyst, Osirix, Slicer, Trackvis, Diffusion ToolKit, Gait4Dog, Ethovision

PRESENTATION AWARDS

- **Erin E. Kaiser**, Regenerative Bioscience Center Symposium Poster Presentation 1st Place Award, Spring 2018
- **Erin E. Kaiser**, Regenerative Medicine Workshop Poster Presentation 2nd Place Award, Spring 2018
- **Erin E. Kaiser**, Georgia CTSA Conference Outstanding Pre-Doctoral Poster Presentation 1st Place Award, Spring 2018
- **Erin E. Kaiser**, STaR Conference Travel Award, Fall 2017

Served as an Undergraduate Student Mentor

- Sowmya Radhakrishnan, **Erin E. Kaiser**, College of Agricultural and Environmental Sciences Undergraduate Research Fellowship, Poster Presentation 1st Place Award, Spring 2019

- Zachary Jones, **Erin E. Kaiser**, College of Agricultural and Environmental Sciences Undergraduate Research Symposium Poster Presentation 3rd Place Award, Spring 2018
- Tyler Burnette, **Erin E. Kaiser**, College of Agricultural and Environmental Sciences Undergraduate Research Fellowship Award, Fall 2018
- Sowmya Radhakrishnan, **Erin E. Kaiser**, College of Agricultural and Environmental Sciences Undergraduate Research Fellowship Award, Fall 2018

PROFESSIONAL AFFILIATIONS

- Georgia Bio Emerging Leaders Network, Member, 2019-Present
- Graduate Students and Post-Docs in Science, Member, 2016-Present
- Regenerative Bioscience Center Graduate Student Association, Member, 2015-Present
- Animal and Dairy Science Graduate Student Association, President, 2017-2019
- American Heart Association, Professional Member, Stroke Council, 2015-2019

CONTRIBUTIONS IN OUTREACH

- Research Collaboration Tour Guide, Contrast Consortium, Rotterdam University Medical School, Netherlands, October 2018
- Georgia City-County Managers Tour Guide, Georgia City-County Management Association's Conference, October 2018

PUBLICATIONS

First Author Publications

- Robin L. Webb[§], **Erin E. Kaiser**[§], Brian J. Jurgielewicz, Samantha E. Spellicy, Shelley L. Scoville, Tyler A. Thompson, Raymond L. Swetenburg, David C. Hess, Franklin D. West, Steven L. Stice. "*Human neural stem cell extracellular vesicles improve recovery in a porcine model of ischemic stroke.*" Stroke, April 2018.
- Robin L. Webb[§], **Erin E. Kaiser**[§], Shelley L. Scoville, Tyler A. Thompson, Sumbul Fatima, Chirayukumar Pandya, Karishma Sriram, Raymond L. Swetenburg, Kumar Vaibhav, Ali S. Arbab, Babak Baban, Krishnan M. Dhandapani, David C. Hess, M. N. Hoda, Steven L. Stice. "*Human neural stem cell extracellular vesicles improve tissue and functional recovery in the murine thromboembolic stroke model.*" Trans. Stroke Res., December 2017.
- **Erin E. Kaiser**, Franklin D. West. "*Large animal ischemic stroke models: replicating human stroke pathophysiology.*" Neural Regen. Res., November 2019.
- **Erin E. Kaiser**[§], Elizabeth S. Waters[§], Madison M. Fagan, Kelly M. Scheulin, Simon R. Platt, Julie H. Jeon, Xi Fang, Holly A. Kinder, Soo K. Shin, Kylee J. Duberstein, Hea J. Park, Franklin D. West. "*Acute characterization of tissue and functional deficits in a clinically translatable pig model of ischemic stroke.*" J Cere Blood Flow Metab., Under review.
- **Erin E. Kaiser**[§], Elizabeth S. Waters[§], Xueyuan Yang[§], Madison M. Fagan, Kelly M. Scheulin, Julie H. Jeon, Soo K. Shin, Holly A. Kinder, Anil Kumar, Simon R. Platt, Kylee Jo Duberstein, Hea J. Park, Jin Xie, Franklin D. West. "*Intracisternal administration of Tanshinone IIA-loaded nanoparticles leads to reduced tissue injury and functional deficits in a porcine model of ischemic stroke.*" Theranostics. Submitted.

§ Authors contributed equally to this work

Co-Author Publications

- Samantha E. Spellicy, **Erin E. Kaiser**, Michael M. Bowler, Brian J. Jurgielewicz, Robin L. Webb, Franklin D. West, Steven L. Stice. “*Neural stem cell extracellular vesicles disrupt midline shift predictive outcomes in porcine ischemic stroke model.*” Trans. Stroke Res. October 2019.
- Julie H. Jeon, Jeferson Lourenco, **Erin E. Kaiser**, Elizabeth S. Waters, Kelly M. Scheulin, Madison M. Fagan, Xi Fang, Holly A. Kinder, Simon R. Platt, Kylee J. Duberstein, Michael Rothrock, Jr, Todd Callaway, Franklin D. West, Hea J. Park. “*Dynamic Changes of Gut Microbiome and Immune Response During the Acute Stage of Stroke in a Pig Model.*” Curr. Dev. Nutr. Under review.

ABSTRACTS

- **Erin E. Kaiser**, Brian J. Jurgielewicz, Samantha E. Spellicy, Robin L. Webb, Simon R. Platt, Steve L. Stice, and Franklin D. West. *Human Neural Stem Cell Extracellular Vesicles Promote Tissue and Functional Recovery in Ischemic Stroke.* Developmental Biology Symposium. 2019 October: Athens, GA.
- **Erin E. Kaiser**, Brian J. Jurgielewicz, Samantha E. Spellicy, Robin L. Webb, Simon R. Platt, Steve L. Stice, and Franklin D. West. *Human Neural Stem Cell Extracellular Vesicles Promote Magnetic Resonance Imaging-Based Recovery in a Porcine Model of Ischemic Stroke.* Regenerative Bioscience Center Symposium. 2018 April: Athens, GA.
- **Erin E. Kaiser**, Brian J. Jurgielewicz, Samantha E. Spellicy, Robin L. Webb, Simon R. Platt, Steve L. Stice, and Franklin D. West. *Human Neural Stem Cell Extracellular Vesicles Promote Acute and Chronic Recovery in a Porcine Model of Ischemic Stroke.* Regenerative Medicine Workshop. 2018 March: Hilton Head, SC.
- **Erin E. Kaiser**, Brian J. Jurgielewicz, Samantha E. Spellicy, Robin L. Webb, Simon R. Platt, Steve L. Stice, and Franklin D. West. *Human Neural Stem Cell Extracellular Vesicles Promote Acute and Chronic Recovery in a Porcine Model of Ischemic Stroke.* Georgia Clinical and Translational Science Alliance. 2018 February: Braselton, GA.
- **Erin E. Kaiser**, Brian J. Jurgielewicz, Samantha E. Spellicy, Robin L. Webb, Simon R. Platt, Steve L. Stice, and Franklin D. West. *Neural Stem Cell Derived Exosome Treatment Promotes Recovery in a Porcine Model of Ischemic Stroke.* Swine in Biomedical Research. 2017 September: Baltimore, MD.
- **Erin E. Kaiser**, Brian J. Jurgielewicz, Samantha E. Spellicy, Robin L. Webb, Simon R. Platt, Steve L. Stice, and Franklin D. West. *Neural Stem Cell Derived Exosome Treatment Promotes Recovery in a Porcine Model of Ischemic Stroke.* Southern Translational Education and Research Conference. 2017 September: Augusta, GA.
- **Erin E. Kaiser**, Brian J. Jurgielewicz, Samantha E. Spellicy, Robin L. Webb, Simon R. Platt, Steve L. Stice, and Franklin D. West. *Neural Stem Cell Derived Exosome Treatment Promotes Recovery in a Porcine Model of Ischemic Stroke.* Graduate Students and Postdocs in Science Research Day. 2017 April: Athens, GA.
- **Erin E. Kaiser**, Kylee Jo Duberstein, Simon R. Platt, Vivian W. Lau, Emily W. Baker, Harrison E. Grace, Elizabeth W. Howerth, Shannon P. Holmes, Liya Wang, Steve L. Stice, Hui Mao, and Franklin D. West. *Quantitative Gait Analysis Demonstrates Significant Changes in Motor Function Post-Ischemic Stroke and Simulated Intraparenchymal Therapeutic Delivery in a Porcine Model.* International Stroke Conference. 2016 February: Los Angeles, CA.

- **Erin E. Kaiser**, Kylee Jo Duberstein, Simon R. Platt, Vivian W. Lau, Emily W. Baker, Harrison E. Grace, Elizabeth W. Howerth, Shannon P. Holmes, Liya Wang, Steve L. Stice, Hui Mao, and Franklin D. West. *Quantitative Gait Analysis Demonstrates Significant Changes in Motor Function Post-Ischemic Stroke in a Porcine Model*. World Stem Cell Summit. 2015 December: Atlanta, GA.

Served as a Graduate Student Mentor

- Julie H. Jeon, Jeferson Lourencob, **Erin E. Kaiser**, Elizabeth S. Waters, Kelly M. Scheulin, Madison M. Fagan, Xi Fang, Holly A. Kinder, Simon R. Platt, Kylee Jo J Duberstein, Todd Callaway, Franklin D. West, and Hea Jin Park. *Dynamic changes of gut microbiome and immune response during the acute stage of stroke in a pig model*. Nutrition 2019 Conference. 2019 June: Baltimore, MD.
- Samantha E. Spellicy, **Erin E. Kaiser**, Michael Bowler. Webb, Brian J. Jurgielewicz, Robin L. Webb, Franklin D. West, and Steven L Stice. *Midline shift predicts functional outcomes in a porcine ischemic stroke model*. Regenerative Bioscience Center Fellows Symposium. 2019 April: Athens, GA.
- Madison M. Fagan, **Erin E. Kaiser**, Elizabeth S. Waters, Xueyuan Yang, Anil Kumar, Kelly M. Scheulin, Julie H. Jeon, Xi Fang, Holly A. Kinder, Simon R. Platt, Hea Jin Park, Jin Xie, Kylee Jo Duberstein, and Franklin D. West. *Assessment of Spatiotemporal Changes in Response to Tanshinone-IIa Nanoparticle Administration in a Pig Model of Ischemic Stroke*. Regenerative Medicine Workshop. 2019 March: Hilton Head, SC.
- Samantha E. Spellicy, **Erin E. Kaiser**, Michael M. Bowler, Brian J. Jurgielewicz, Robin L. Webb, Franklin D. West, Steven L. Stice. Determining translational magnetic resonance imaging parameters predictive of therapeutic efficacy in a porcine ischemic stroke model. Abstract accepted and research presented at the Regenerative Medicine Workshop. 2019 March: Charleston, SC.
- Samantha E. Spellicy, **Erin E. Kaiser**, Michael M. Bowler, Brian J. Jurgielewicz, Robin L. Webb, Franklin D. West, Steven L. Stice. *Determining translation magnetic resonance imaging parameters predictive of therapeutic efficacy in a porcine ischemic stroke model*. Society for Neuroscience Meeting. 2018 November: San Diego, CA.
- Robin L. Webb, **Erin E. Kaiser**, Brian J. Jurgielewicz, Samantha Spellicy, Shelley L. Scoville, Tyler A. Thompson, Raymond L. Swetenburg, David C. Hess, Franklin D. West, and Steve L. Stice. *Human neural stem cell extracellular vesicles improve recovery in a porcine model of ischemic stroke*. International Society for Extracellular Vesicles Conference. 2018 May: Barcelona, Spain.
- Samantha E. Spellicy, **Erin E. Kaiser**, Michael Bowler, Brian J. Jurgielewicz, Robin L. Webb, Franklin D. West, Steve L Stice. *The role of neural stem cell derived extracellular vesicles as a therapeutic in a porcine middle cerebral artery occlusion model of stroke*. American Physician Scientist Association Annual Meeting. 2018 April: Chicago, IL.
- Samantha E. Spellicy, **Erin E. Kaiser**, Michael Bowler, Brian J. Jurgielewicz, Robin L. Webb, Franklin D. West, Steve L. Stice. *Multiparametric analysis of magnetic resonance structural imaging and functional parameters leads to the identification of key predictive and translational parameters in an ischemic stroke porcine model*. Graduate Students and Post-Docs in Science Research Day. 2018 April: Athens, GA.
- Elizabeth S. Waters, **Erin E. Kaiser**, Holly A. Kinder, Simon R. Platt, Silun Wang, David C. Hess, Hui Mao and Franklin D. West. *A Novel Porcine Model of Vascular Cognitive Impairment Demonstrates Changes in Cerebral Blood Flow, White Matter Integrity, and Cognitive Function*. Regenerative Bioscience Center Fellows Symposium. 2018 April: Athens, GA.

- Samantha E. Spellicy, Brian J. Jurgielewicz, **Erin E. Kaiser**, Michael Bowler, Robin L. Webb, Franklin D. West, Steve L. Stice. *Multiparametric analysis of structural and functional correlations in a porcine MCAO model of stroke reveals divergent trends between treatment groups over time*. Regenerative Medicine Workshop. 2018 March: Hilton Head, SC.
- Emily W. Baker, Robin L. Webb, **Erin E. Kaiser**, Samantha E. Spellicy, Brian J. Jurgielewicz, Shelley L. Scoville, Tyler A. Thompson, Sumbul Fatima, Chirayukumar Pandya, Karishma Sriram, Raymond L. Swetenburg, Ali S. Arbab, Babak Baban, Krishnan M. Dhandapani, David C. Hess, M.N. Hoda, Franklin D. West, and Steven L. Stice. *Human Neural Stem Cell Extracellular Vesicles Improve Tissue and Functional Recovery in Murine and Porcine Stroke Models*. International Stroke Conference. 2018 January: Los Angeles, CA.
- Samantha E. Spellicy, Brian J. Jurgielewicz, **Erin E. Kaiser**, Robin L. Webb, Michael Bowler, Holly A. Kinder, Simon R. Platt, Franklin D. West, Steven L. Stice. *Neural Stem Cell-Derived Extracellular Vesicles as a Therapeutic in a MCAO Porcine Stroke Model*. Society for Neuroscience Conference. 2017 November: Washington D.C.
- Brian J. Jurgielewicz, **Erin E. Kaiser**, Samantha E. Spellicy, Robin L. Webb, Simon R. Platt, Franklin D. West, Steven L. Stice. *Extracellular Vesicle Treatment Promotes Recovery After Ischemic Stroke*. Georgia Bio Innovation Summit. 2017 October: Atlanta, GA.
- Samantha E. Spellicy, Brian J. Jurgielewicz, **Erin E. Kaiser**, Robin L. Webb, Michael Bowler, Holly A. Kinder, Simon R. Platt, Franklin D. West, Steven L. Stice. *Neural Stem Cell-Derived Extracellular Vesicles as a Potential Therapeutic in an MCAO Porcine Model of Stroke*. Southern Translational Education and Research Conference. 2017 September: Augusta, GA.
- Samantha E. Spellicy, Brian J. Jurgielewicz, **Erin E. Kaiser**, Robin L. Webb, Michael Bowler, Holly A. Kinder, Simon R. Platt, Franklin D. West, Steven L. Stice. *Behavioral Improvements Following Neural Stem Cell Derived Exosome Therapy in a Porcine Model of Stroke*. Graduate Students and Postdocs in Science Research Day. 2017 April: Athens, GA.
- Brian J. Jurgielewicz, **Erin E. Kaiser**, Samantha E. Spellicy, Robin L. Webb, Kylee Jo Duberstein, Simon R. Platt, Franklin D. West, Steven L. Stice. *NPEX™ treatment improves spatiotemporal gait parameters in a middle cerebral artery occlusion porcine stroke model*. Regenerative Bioscience Center Fellows Symposium. 2017 April: Athens, GA.
- Kelly M. Scheulin, Anil Kumar, Madelaine N. Wendzik, Holly A. Kinder, Xueyuan Yang, **Erin E. Kaiser**, Emily W. Baker, Elizabeth S. Waters, Jen Xie and Franklin D. West. *Nanoparticles Transport of FDA-Approved Drugs Across the Blood Brain Barrier in a Porcine Stroke Model*. Regenerative Bioscience Center Fellows Symposium. 2017 April: Athens, GA.
- Samantha E. Spellicy, Brian J. Jurgielewicz, **Erin E. Kaiser**, Robin L. Webb, Michael Bowler, Holly A. Kinder, Simon R. Platt, Franklin D. West, Steven L. Stice. *Behavioral Improvements Following Neural Stem Cell Derived Exosome Therapy in a Porcine Model of Stroke*. Regenerative Bioscience Center Fellows Symposium. 2017 April: Athens, GA.
- Kelly M. Scheulin, Anil Kumar, Madelaine N. Wendzik, Holly A. Kinder, Xueyuan Yang, **Erin E. Kaiser**, Emily W. Baker, Elizabeth S. Waters, Jen Xie and Franklin D. West. *Nanoparticles Transport of FDA-Approved Drugs Across the Blood Brain Barrier in a Porcine Stroke Model*. Center for Undergraduate Research Opportunities Symposium. 2017 April: Athens, GA.

- Brian J. Jurgielewicz, **Erin E. Kaiser**, Samantha E. Spellicy, Robin L. Webb, Simon R. Platt, Franklin D. West, Steven L. Stice. *Neural Stem Cell Derived Exosome (NPEX™) Treatment in a Porcine Stroke Model*. Integrated Research and Ideas Symposium. 2017 March: Athens, GA.
- Brian J. Jurgielewicz, **Erin E. Kaiser**, Samantha E. Spellicy, Robin L. Webb, Kylee Jo Duberstein, Simon R. Platt, Franklin D. West, Steven L. Stice. *Quantitative gait analysis in a porcine stroke model assessing the effects of a stem cell therapy*. Regenerative Medicine Workshop. 2017 March: Hilton Head, SC.
- Kimberly D. Haight, **Erin E. Kaiser***, Madelaine N. Wendzik, Simon R. Platt, Silun Wang, David C. Hess, Hui Mao, and Franklin D. West. *A Novel Porcine Model of Vascular Cognitive Impairment Demonstrates Changes in Cerebral Blood Flow, White Matter Tracts, Memory, and Motor Function*. Merit-NIH National Veterinary Scholar Program Symposium. 2016 July: Columbus, OH.
- Madelaine N. Wendzik, **Erin E. Kaiser***, Simon R. Platt, Silun Wang, David C. Hess, Hui Mao, and Franklin D. West. *Magnetic Resonance Imaging Characterization of a Novel Porcine Model of Vascular Cognitive Impairment*. Center for Undergraduate Research Opportunities Summer Fellows Symposium. 2016 July: Athens, GA.

Served as an Undergraduate Student Mentor

- Anna Zukowski, Madison M. Fagan, **Erin E. Kaiser**, Elizabeth S. Waters, Holly A. Kinder, and Franklin D. West. *Ischemic stroke leads to tissue damage and subsequent impairments in gait, behavior, and functional recovery in a biomedical porcine model*. Regenerative Bioscience Center Fellows Symposium. 2019 April: Athens, GA.
- Mackenzie Synder, Kelly M. Scheulin, Madison M. Fagan, **Erin E. Kaiser**, Elizabeth S. Waters, Xueyuan Yang, Anil Kumar, Julie H. Jeon, Xi Fang, Holly A. Kinder, Simon R. Platt, Hea Jin Park, Jin Xie, Kylee Jo Duberstein, and Franklin D. West. *Analysis of Magnetic Resonance Imaging and Spatiotemporal Gait Parameters in Response to Tanshinone-IIA Loaded Nanoparticle Treatment in a Pig Model of Ischemic Stroke demonstrates increased diffusivity and white matter integrity at 24hrPS and improved motor function at 2dPS*. Regenerative Bioscience Center Fellows Symposium. 2019 April: Athens, GA.
- Tyler Burnette, **Erin E. Kaiser**, Elizabeth S. Waters, Holly A. Kinder, and Franklin D. West. *Tanshinone-IIa-Loaded Nanoparticles Reduce Midline Shift and Lesion Volume and Improve Cerebral Diffusivity in a Pig Ischemic Stroke Model*. College of Agricultural and Environmental Sciences Undergraduate Research Symposium. 2019 April: Athens, GA.
- Sowmya Radhakrishnan, Kelly M. Scheulin, Madison M. Fagan, **Erin E. Kaiser**, Elizabeth S. Waters, Xueyuan Yang, Anil Kumar, Julie H. Jeon, Xi Fang, Holly A. Kinder, Simon R. Platt, Hea Jin Park, Jin Xie, Kylee Jo Duberstein, and Franklin D. West. *Analysis of Magnetic Resonance Imaging and Spatiotemporal Gait Parameters in Response to Tanshinone-IIa Loaded Nanoparticle Treatment in a Pig Model of Ischemic Stroke*. College of Agricultural and Environmental Sciences Undergraduate Research Symposium. 2019 April: Athens, GA.
- Mariafernanda Alcalde, Kelly M. Scheulin, Madison M. Fagan, **Erin E. Kaiser**, Elizabeth S. Waters, Xueyuan Yang, Anil Kumar, Julie H. Jeon, Xi Fang, Holly A. Kinder, Simon R. Platt, Hea Jin Park, Jin Xie, Kylee J. Duberstein, Franklin D. West. *Analysis of Magnetic Resonance Imaging and Spatiotemporal Gait Parameters in Response to Tanshinone-IIA Loaded Nanoparticle Treatment in a Pig Model of Ischemic Stroke*. Center for Undergraduate Research Opportunities Symposium. 2019 March: Athens, GA.

- Wahenoor Anand, **Erin E. Kaiser**, Elizabeth S. Waters, Holly A. Kinder, Simon R. Platt, and Franklin D. West. *Tanshinone-IIa Nanoparticle Administration in a Porcine Model of Ischemic Stroke Demonstrates Reduced Hemispheric Swelling, Lesion Volume, and White Matter Damage*. Center for Undergraduate Research Opportunities Symposium. 2019 March: Athens, GA.
- Lily G. Francis, **Erin E. Kaiser**, Brian J. Jurgielewicz, Samantha E. Spellicy, Robin L. Webb, Simon R. Platt, Steve L. Stice, and Franklin D. West. *Neural Stem Cell Derived Extracellular Vesicles Promote MRI-Based Recovery in a Porcine Model of Ischemic Stroke*. Emory STEM Research and Career Symposium. 2018 October: Atlanta, GA.
- Zachary T. Jones, **Erin E. Kaiser**, Elizabeth S. Waters, Kelly M. Scheulin, Madelaine N. Wendzik, Holly A. Kinder, Simon R. Platt, and Franklin D. West. *Magnetic Resonance Imaging T2 Weighted Sequences Demonstrate Acute Changes in Cerebral Hemisphere, Ventricle, and Lesion Volumes in a Pig Model of Ischemic Stroke*. Regenerative Bioscience Center Fellows Symposium. 2018 April: Athens, GA.
- Neil K. Doshi, **Erin E. Kaiser**, Elizabeth S. Waters, Kelly M. Scheulin, Madelaine N. Wendzik, Holly A. Kinder, Simon R. Platt, and Franklin D. West. *Magnetic Resonance Imaging Assessment in a Porcine Model of Ischemic Stroke Demonstrates Reduced Diffusivity and White Matter Damage*. Regenerative Bioscience Center Fellows Symposium. 2018 April: Athens, GA.
- Zachary T. Jones, **Erin E. Kaiser**, Elizabeth S. Waters, Kelly M. Scheulin, Madelaine N. Wendzik, Holly A. Kinder, Simon R. Platt, and Franklin D. West. *Magnetic Resonance Imaging T2 Weighted Sequences Demonstrate Acute Changes in Cerebral Hemisphere, Ventricle, and Lesion Volumes in a Pig Model of Ischemic Stroke*. College of Agricultural and Environmental Sciences Undergraduate Research Symposium. 2018 April: Athens, GA.
- Caroline A. Temple, **Erin E. Kaiser**, Elizabeth S. Waters, Holly A. Kinder, Simon R. Platt, Silun Wang, David C. Hess, Hui Mao and Franklin D. West. *A Novel Porcine Model of Vascular Cognitive Impairment Demonstrates Changes in Cerebral Blood Flow, White Matter Integrity, and Cognitive Function*. Center for Undergraduate Research Opportunities Symposium. 2018 April: Athens, GA.
- Lily G. Francis, **Erin E. Kaiser**, Madelaine N. Wendzik, Simon R. Platt, Silun Wang, David C. Hess, Hui Mao, and Franklin D. West. *A Novel Porcine Model of Vascular Cognitive Impairment Demonstrates Changes in Cerebral Blood Flow, White Matter Integrity, and Cognitive Function*. Emory STEM Research and Career Symposium. 2017 October: Atlanta, GA.
- Lily G. Francis, **Erin E. Kaiser**, Madelaine N. Wendzik, Simon R. Platt, Silun Wang, David C. Hess, Hui Mao, and Franklin D. West. *A Novel Porcine Model of Vascular Cognitive Impairment Demonstrates Changes in Cerebral Blood Flow and White Matter Tracts*. Regenerative Bioscience Center Fellows Symposium. 2017 April: Athens, GA.
- Lily G. Francis, **Erin E. Kaiser**, Madelaine N. Wendzik, Simon R. Platt, Silun Wang, David C. Hess, Hui Mao, and Franklin D. West. *A Novel Porcine Model of Vascular Cognitive Impairment Demonstrates Changes in Cerebral Blood Flow and White Matter Tracts*. Center for Undergraduate Research Opportunities Symposium. 2017 April: Athens, GA.
- Richard D. Murray, **Erin E. Kaiser**, Holly A. Kinder, Simon R. Platt, Silun Wang, David C. Hess, Hui Mao, and Franklin D. West. *Novel object recognition: a promising approach to the comparative study of memory in porcine vascular cognitive impairment studies*. Center for Undergraduate Research Opportunities Symposium. 2017 April: Athens, GA.