

RESEARCH
EXCELLENCE
INITIATIVE
Preliminary Report

2017 – 2018

The Research Excellence Initiative (REI)
KU College of Liberal Arts & Sciences
Preliminary Report
2017-2018

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I. Summary of Results

A. Allotted Funding by Division

Total Investment: \$226,100

Behavioral & Social Sciences: \$72,850

Humanities: \$56,650

Natural Sciences & Mathematics: \$73,940

School of the Arts: \$22,660

B. Return on Investment

Total Received in External Funding to Date (nine-month progress): \$407,997

Number of Conferences Sponsored through Research Excellence Initiative Support: 5

Number of Conferences Attended by Graduate Students: 27

Number of Students Mentored by Faculty and Staff:

Undergraduate Students: 38

Graduate Students: 31

II. Awarded REI Projects

School of the Arts

Spaces of Conviviality

Francisca Velasco, Associate Professor | Visual Art
\$10,000 | Time Sensitive and Urgency Fund

Spaces of Conviviality

Francisca Velasco, Associate Professor | Visual Art
\$1,000 | Conference/Meeting/Exhibit Sponsorship Fund

Garden City

Robert Hurst, Associate Professor | Film & Media Studies
\$8,660 | Discipline Specific Research Fund

The Speech Show

James Moreno, Associate Professor | Dance
\$2,000 | Faculty Writing Incentive Fund

To Be Seen & Consumption

Sarah Gross, Assistant Professor | Visual Art
\$1,000 | Conference/Meeting/Exhibit Sponsorship Fund

Humanities

WWI American Immigrant Poetry Project

Lorie Vanchena, Associate Professor | Germanic Languages & Literatures
\$6,500 | Dean's Award for Exceptional Student Mentoring Fund

Political Sublimation: Undoing Psychoanalysis in Argentine Culture

Veronica Garibotto, Associate Professor | Spanish & Portuguese
\$5,500 | Course Release Fund

Renewing the Wilcox Classical Museum in Color

Philip Stinson, Associate Professor | Classics
\$5,500 | Course Release Fund

Feminisms with Chinese Characters: 1995-2017

Hui Faye Xiao, Associate Professor | East Asian Languages & Culture
\$5,500 | Course Release Fund

Civilization through Motorization: Vehicles and Roads in Europe's African Empires, 1900-1945

Andrew Denning, Assistant Professor | History
\$5,000 | Discipline Specific Research Fund

Decorative Arts of the Tunisian École

Jessica Gerschultz, Assistant Professor | African & African-American Studies
\$5,000 | Time Sensitive and Urgency Fund

Johannes Vermeer’s “Little Street” and Other Neighborhoods Seventeenth-Century Dutch Art and Culture

Linda Stone-Ferrier, Professor | Kress Foundation Department of Art
\$4,000 | Dean’s Award for Exceptional Student Mentoring Fund

Life Writing of the U.S. (Mid)West and the Settler-Colonial Thread

Rachel Brown, PhD | English
\$2,900 | Graduate Writing Incentive Fund

Memory Dynamics: Identifying Stable Memories in Fluid Neural Processes

Sarah Robins, Assistant Professor | Philosophy
\$2,000 | Faculty Writing Incentive Fund

Rethinking Testimonial Cinema in Post-Dictatorship Argentina

Veronica Garibotto, Associate Professor | Spanish & Portuguese
\$1,500 | Time Sensitive and Urgency Fund

“The Unexpected Caribbean” Symposium

Giselle Anatol, Professor | English
\$1,000 | Conference/Meeting/Exhibit Sponsorship Fund

Kansas Workshop on Well-Being

Dale Dorsey, Professor | Philosophy
\$1,000 | Conference/Meeting/Exhibit Sponsorship Fund

42nd Mid-America Medieval Association Conference

Caroline Jewers, Associate Professor | French, Francophone & Italian Studies
\$1,000 | Conference/Meeting/Exhibit Sponsorship Fund

Mid-America Alliance for African Studies Conference

Elizabeth MacGonagle, Associate Professor | Kansas African Studies Center
\$1,000 | Conference/Meeting/Exhibit Sponsorship Fund

AstrumU Humanities Think Tank

Phillip Drake, Associate Professor | English
Jonathan Lamb, Associate Professor | English
Angela Gist-Mackey, Assistant Professor | Communications Studies
Germaine Halegoua, Associate Professor | Film & Media Studies
Ani Kokobobo, Associate Professor | Slavic Languages & Literature
Katie Rhine, Associate Professor | Anthropology
Sean Seyer, Assistant Professor | Humanities
\$7,500 | Humanities Tech Think Tank Fund

Situating Slavery at African Sites of Memory

Elizabeth MacGonagle, Associate Professor | Kansas African Studies Center
\$750 | Grant or Manuscript Pre-Review Fund

A Woman's Problem? Abortion's Evolution in Contemporary French Literature

Helena Buchmann, MS | French, Francophone & Italian
\$500 | Graduate Student and Post-Doctoral Travel Fund

Desplazamientos y Movilidad en el Cine Indígena Colombiano

Lina Muñoz Márquez, PhD | Spanish & Portuguese
\$500 | Graduate Student and Post-Doctoral Travel Fund

Natural Sciences & Mathematics

A Food-Energy-Water Resilient Resource Decision Support System with Application to the Central United States (FEW-R2D)

Mary Hill, Professor | Geology
\$18,000 | Collaborative Research Fund

Modular Synthesis and Reactivity Profiling of Cysteine- and Serine-Reactive Macrocycles

Paul Hanson, Professor | Chemistry
\$14,500 | Discipline Specific Research Fund

Commutative Algebra

Emily Witt, Assistant Professor | Mathematics
\$5,500 | Course Release Fund

Out of the Fruit and into the Flower: A Test of the Genetic Basis for Evolutionary Novelty

Lena Hileman, Professor | Ecology & Evolutionary Biology
\$5,000 | Time Sensitive and Urgency Fund

The influence of Elevated Carbon Dioxide on Defensive Structures of the Leaf

James Fischer, PhD | Ecology & Evolutionary Biology
\$3,000 | Graduate Writing Incentive Fund

Development of Direct Calculation Methods of the Temperature, Pressure and Chemical Potential Dependence of Carbon Dioxide Expanded Liquids

Ezekiel Piskulich, PhD | Chemistry
\$2,900 | Graduate Writing Incentive Fund

Indigenous Territoriality, Land Use/Land Cover Change, and Conservation in Costa Rica

Taylor Tappan, PhD | Geography and Atmospheric Science
\$2,900 | Graduate Writing Incentive Fund

Mechanisms Through Which Carbohydrates Alter Flowering Times in Response to Changes in Atmospheric Carbon Dioxide in Arabidopsis and Wheat

Hannah Kinmonth-Schultz, PostDoc | Ecology & Evolutionary Biology
\$2,400 | Graduate Writing Incentive Fund

High Sensitivity Microfluidic Measurements of Minimal Residual Disease in the Peripheral Blood of Pediatric B-Cell Acute Lymphoblastic Leukemia Patients

Nicholas Larkey, PostDoc | Chemistry / Cancer Center
\$2,400 | Graduate Writing Incentive Fund

Generating a *Drosophila* Line Encoding a Degradable Version of the Septate Junction Protein MRC

Clinton Rice, PostDoc | Molecular Biosciences
\$2,400 | Graduate Writing Incentive Fund

Under the Petals: The Genetics of Nectary Development and Nectar Replenishment

Amanda Katzer, MA | Ecology & Evolutionary Biology
\$1,700 | Graduate Writing Incentive Fund

Unraveling Ancient Mycelial Cords: Morphology, Ecology, and Evolution

Madison Foster, BS | Ecology & Evolutionary Biology
\$1,330 | Women Philanthropists for KU Fund

The 400 Million Year-Old Windyfield Chert: A Window into Fungal Diversity

Nancy Varela-Gastelum, BS | BioTechnology
\$1,330 | Women Philanthropists for KU Fund

Genetic Control of Tissue-Specific Growth in the Larval Trachea of *Drosophila*

Kayla Wilson, BS | Molecular Biosciences
\$1,330 | Women Philanthropists for KU Fund

Meta Mathematical Framework for Integrating Indian Classical Music and Western Music

Purnaprajna Bangere, Professor | Mathematics and Music
\$1,000 | Conference/Meeting/Exhibit Sponsorship Fund

"Chirality from Molecules to Materials: Advances in Experiment Theory" Symposium

Marco Caricato, Assistant Professor | Chemistry
\$1,000 | Conference/Meeting/Exhibit Sponsorship Fund

Great Plains Limnology Conference at the University of Kansas Field Station

Theodore Harris, Assistant Research Professor | Kansas Biological Survey
\$1,000 | Conference/Meeting/Exhibit Sponsorship Fund

CAREER: Building Bridges Between Commutative Algebra and Geometry/Topology

Emily Witt, Assistant Professor | Mathematics
\$750 | Grant or Manuscript Pre-Review Fund

Phenomenology 2018 Symposium

Shekhar Adhikari, PhD | Physics & Astronomy
\$500 | Graduate Student and Post-Doctoral Travel Fund

Investigating Solvation Effects on Optical Rotary Dispersion Using the Polarizable Continuum Model

Tal Aharon, PhD | Chemistry
\$500 | Graduate Student and Post-Doctoral Travel Fund

Indirect Detection of Dark Matter at Neutrino Telescopes

Haider Alhazmi, PhD | Physics & Astronomy
\$500 | Graduate Student and Post-Doctoral Travel Fund

Optical Rotation of Diatomic, Helical Chains as a Model for Periodic Systems

Ty Balduf, PhD | Chemistry
\$500 | Graduate Student and Post-Doctoral Travel Fund

Geographies of Non-Lethal Weapons: Transformative Technologies and Political Violence

Samuel Henkin, PhD | Geography & Atmospheric Science
\$500 | Graduate Student and Post-Doctoral Travel Fund

Participatory Videographic Research Pilot

John Henry, MS | Geography & Atmospheric Science
\$500 | Graduate Student and Post-Doctoral Travel Fund

Host & Virus Co-Evolution and the Immune Response to *Drosophila innubila* Nudivirus Infection

Tom Hill, PostDoc | Molecular Biosciences
\$500 | Graduate Student and Post-Doctoral Travel Fund

Quantifying Diel Nitrate Cycling Across a Range of Abiotic Conditions

Michelle Kelly, MS | Ecology & Evolutionary Biology
\$500 | Graduate Student and Post-Doctoral Travel Fund

New Loop-Induced Top Partner Productions and Decays at the Large Hadron Collider (LHC)

Jeonghan Kim, PhD | Physics & Astronomy
\$500 | Graduate Student and Post-Doctoral Travel Fund

A New Approach for Variational Mesh Generation and Adaptation on Surfaces

Avary Kolasinski, PhD | Mathematics
\$500 | Graduate Student and Post-Doctoral Travel Fund

Determining the Efficacy of Seismic Anisotropy as a Predictor for Induced Seismicity

Keith Nolte, PhD | Geology
\$500 | Graduate Student and Post-Doctoral Travel Fund

Double Higgs Production in the Singlet Extended Standard Model

Matthew Sullivan, PhD | Physics & Astronomy
\$500 | Graduate Student and Post-Doctoral Travel Fund

Banff International Research Station Workshop on Adaptive Numerical Methods for Partial Differential Equations with Applications

Yufei Yu, PhD | Mathematics
\$500 | Graduate Student and Post-Doctoral Travel Fund

Behavioral & Social Sciences

East Africa's Digital Health Divides: A CoLLaBorative Analysis

Kathryn Rhine, PhD | Anthropology
\$30,000 | Collaborative Research Fund

Interventions at the Intersections of Abuse, Addiction, and Unemployment

Adrienne Kunkel, Professor | Communication Studies
\$6,500 | Dean's Award for Exceptional Student Mentoring Fund

Emmett Till Memory Project

David Tell, Associate Professor | Communication Studies
\$5,500 | Course Release Fund

The Crime-Terror Nexus: How the Illicit Global Economy and International Terrorism Intersect

Mariya Omelicheva, Associate Professor | Political Science
\$5,000 | Fill-in the Gap Fund

EAGER: Digital Inequalities in the Heartland: Exploring the Information Security Experiences of Marginalized Internet Users

William Staples, Professor | Sociology
\$5,000 | Fill-in the Gap Fund

Hedonic Appetite, Inhibitory Control Training, and Food Consumption in Adolescents

Christopher Cushing, Assistant Professor | Clinical Child Psychology
\$4,800 | Child Language Doctoral Program Fund

Occupational Injuries of Informal Workers in Guatemala City

Silvia Sanchez, PhD | Anthropology
\$2,900 | Graduate Writing Incentive Fund

Bet you can't eat just one: Filling a Gap in the Food Reward Paradigm

Tera Fazzino, PostDoc | Psychology
\$2,400 | Graduate Writing Incentive Fund

Conference within a Conference (CwC): Engaging Underrepresented Minority Graduate Applicants at the National Conference in Clinical Child and Adolescent Psychology

Ric Steele, Director and Professor | Clinical Child Psychology
\$2,000 | Conference/Meeting/Exhibit Sponsorship Fund

Learning Histories, Dopamine, and the Prevention of Substance Abuse

David Jarmolowicz, Assistant Professor | Applied Behavioral Sciences
\$2,000 | Faculty Writing Incentive Fund

Empirical Studies on Public Policy: Increasing Efficiency in Health Care

David Slusky, Assistant Professor | Economics
\$750 | Grant or Manuscript Pre-Review Fund

Treatment Seeking for Eating Disorders: Results from a Nationally Representative Study

Brittany Bohrer, PhD | Clinical Psychology
\$500 | Graduate Student and Post-Doctoral Travel Fund

Development of the SPORT: Survey of Physical-Overtraining and Related Thoughts

Danielle Chapa, MS | Clinical Psychology
\$500 | Graduate Student and Post-Doctoral Travel Fund

Toward Equality for All: Transgender Federal Employees and the Implications of Macy for Public Administration

Peter Federman, PhD | Public Affairs and Administration
\$500 | Graduate Student and Post-Doctoral Travel Fund

Weight and Waiting for Reward: Behavioral and Neural Correlates of Delay Discounting and Reward Evaluation in Obesity and Binge Eating Disorder

Kelsey Hagan, PhD | Clinical Psychology
\$500 | Graduate Student and Post-Doctoral Travel Fund

Integration & Migration

Nadar Hakim, PhD | Psychology
\$500 | Graduate Student and Post-Doctoral Travel Fund

A Systematic Review and Meta-Analysis of the Impact of Aerobic Exercise on Pain Intensity in Children with Chronic Pain

Tiffany Kichline, PhD | Clinical Child Psychology
\$500 | Graduate Student and Post-Doctoral Travel Fund

The Relationship Between Daytime Sleepiness and Daily Steps in Older Adults

Alexandra Laffer, PhD | Clinical Psychology
\$500 | Graduate Student and Post-Doctoral Travel Fund

Relationship Between Legal Access to Medical and Recreational Marijuana and Motor Vehicle Fatalities

Gregory Leung, PhD | Economics
\$500 | Graduate Student and Post-Doctoral Travel Fund

The Differential Association Between Affect and Sleep in Adolescents With and Without Functional Gastrointestinal Disorders

Alexandra Monzon, PhD | Clinical Child Psychology
\$500 | Graduate Student and Post-Doctoral Travel Fund

Going Places: Effects of Early U.S. Compulsory Schooling Laws on Internal Migration

Byeongdon Oh, PhD | Sociology
\$500 | Graduate Student and Post-Doctoral Travel Fund

Hedonic Hunger Modifies the Effect of Delay Discounting on Food Consumption: An Ecological Momentary Assessment and Behavioral Economics Study

Adrian Ortega, PhD | Clinical Child Psychology
\$500 | Graduate Student and Post-Doctoral Travel Fund

Status and Assimilation Attitudes: How China Remotely Affects White American-Chinese Immigrant Relations

Xian Zhao, PhD | Psychology
\$500 | Graduate Student and Post-Doctoral Travel Fund

III. Outcomes of the REI

A. External Funding Resulting from the REI

The Andrew W. Mellon Foundation. 2018-2020. Kathryn Rhine, Cassandra Mesick Braun, and Abel Chikanda. \$225,000. *Comparative Study of Cultures, Chronic Conditions: Knowing, Seeing & Healing the Body in Global Africa.*

NSF Graduate Research Fellowship. 2018-2021. Zeke Piskulich. \$138,000. *Removing the Barrier to the Calculation of Activation Energies: Direct Exploration of Molecular Transport Properties.*

Fulbright-Hays. 2018. Tappan Taylor. \$23,736. *Forest or Fallow? Mapping the Diachronic Impact of Swidden-Fallow Agriculture on Upland Rainforest in Costa Rica's Talamanca.*

American Philosophical Society. 2018. Andrew Denning. \$6,000. *Civilization Through Motorization: Vehicles and Roads in Europe's African Empires, 1900-1945.*

NIH Clinical and Translational Science Award. 2018-2019. Kathryn Rhine and Sara Gross. \$5,000. *Chronic Conditions: Sensorial Modes of Knowing & Representing the Body in Global Africa.*

Charles Stansifer Fellowship. 2018. Silvia Sanchez. \$5,000. *Working at the Bottom of the Global Race to the Bottom: Invisible Workers in Guatemala City; Center of Latin American and Caribbean Studies.*

Garden Club of America Corliss Knapp Engle Scholarship. 2018. James Fischer. \$3,000. *The Influence of Elevated Carbon Dioxide on Defensive Structures of the Leaf.*

German Academic Exchange Service/DAAD. 2018. Andrew Denning. \$2,261. *Civilization Through Motorization: Vehicles and Roads in Europe's African Empires, 1900-1945.*

B. Sponsored Conferences, Symposia & Presentations

REI-Hosted Conferences & Symposia

Chirality from Molecules to Materials: Advances in Experiment and Theory Symposium. March 2018. Marco Caricato. University of Kansas, Lawrence, KS.

The Great Plains Limnology Conference. October 2018. Ted Harris. University of Kansas Field Station, Lawrence, KS.

Mid-America Alliance for African Studies. October 2018. Elizabeth MacGonagle. University of Kansas, Lawrence, KS.

Particle Physics on the Plains 2018. October 2018. Ian Lewis. University of Kansas, Lawrence, KS.

The Unexpected Caribbean Symposium. October 2018. Giselle Anatol. University of Kansas, Lawrence, KS.

Presentations in Humanities

A Woman's Problem? Abortion's Evolution in Contemporary French Literature. October 2017. Helena Buchmann. (Re)activism: Artists and Academics as Political Agents Interdisciplinary Graduate Student Conference. University of Colorado, Boulder, CO.

The Fourth Wave? Feminisms with Chinese Characteristics in the New Millennium. April 2018. Hui Faye Xiao. China-US Symposium. Tufts University, Boston, MA.

Far from the Rhine: German Immigrant Poetry During WWI. September 2018. Lorie Vanchena. War, Literature, and the Arts Conference: Representing and Remembering War. U.S. Air Force Academy, Colorado Springs, CO.

Desplazamientos Queer: la Descentralización de la Memoria en el Documental Performativo. October 2017. Veronica Garibotto. The Mid-America Conference on Hispanic Literatures 2017. St Louis, MO.

Infrastructure Empires: Roads, Automobiles, and the Colonial State in Interwar Africa. October 2018. Andrew Denning. Department of History Guest Lecture. University of Colorado, Boulder, CO.

Queering Time: The Clock Tower in Marcia Douglas' The Marvelous Equations of the Dread. October 2018. Memory and Monuments Panel. Giselle Anatol. University of Kansas, Lawrence, KS.

Talking About Race & Slavery: Obama & Africa. October 2018. Elizabeth MacGonagle. Mid-America Alliance for African Studies. University of Kansas, Lawrence, KS.

WWI Immigrant Poetry: A Digital Humanities Project. October 2018. Lorie Vanchena, Ashley Yoder and Andrew Crist. Digital Frontiers 2018 Conference. University of Kansas, Lawrence, KS.

I Am Fan Yusu': Baomu Writing and Grassroots Feminism against the Post-Socialist Patriarchy. January 2019. Hui Faye Xiao. Modern Language Association (MLA) Annual Convention. Chicago, IL.

Automotive Empire: Roads and Motor Vehicles in Interwar Africa. April 2019. MIT Seminar: Environmental and Agricultural History. *Andrew Denning*. Boulder, CO.

Presentations in Natural Sciences & Mathematics

Adaptation of Baculoviruses and Nudiviruses in Drosophila and other arthropods. January 2018. Tom Hill and Robert Unckless. Population Genetics Group 2018. Bristol, UK.

Investigating Solvation Effects on Optical Rotatory Dispersion Using the Polarizable Continuum Model. March 2018. Tal Aharon and Marco Caricato. ACS Spring National Meeting. New Orleans, LA.

Optical Rotation of Diatomic, Helical Chains as a Model for Periodic Systems. March 2018. Ty Balduf and Marco Caricato. American Chemical Society. Ernest N. Morial Convention Center. New Orleans, LA.

Participatory Videography and Land Use Change in the Rio Platano Biosphere Reserve. April 2018. John Henry. Global Studies Symposium. University of Kansas, Lawrence, KS.

Participatory Videography and Land Use Change in the Rio Platano Biosphere Reserve. April 2018. John Henry. Latin American and Caribbean Studies Graduate Research Symposium. University of Kansas, Lawrence, KS.

Re-Thinking State Interventionary Power: A Politics of Non-Lethality in (in)Security. April 2018. Samuel Henkin. Annual Meeting of the American Association of Geographers. New Orleans, LA.

Contribution of Real Scalar Singlet and Dimension 5 Operator in Higgs Physics. May 2018. Shekhar Adhikari, Ian Lewis and Mathew Sullivan. Phenomenology 2018 Symposium. Pittsburgh, PA.

Galactic Dark Matter Population as the Source of Neutrino Masses. May 2018. Hooman Davoudiasl, Gopolang Mohlabeng and Matthew Sullivan. Phenomenology 2018 Symposium. University of Pittsburgh, Pittsburgh, PA.

Nitrogen Cycling, River Metabolism, and Winter: Impact of Nitrogenous Waste Pulse Releases on the Kansas River. May 2018. Michelle Kelly and Amy J. Burgin. 2018 Society of Freshwater Science. Detroit, MI.

Temporal Change in Shear-Wave Anisotropy from Induced Seismicity in the US Midcontinent Linked to Change in Pore Fluid Pressure. September 2018. Keith Nolte, George Tsoflias, George Kaviris, Nikolaos Voulgaris, and Ionnis Spingos. European Seismological Commissions. Valletta, Malta.

Can Glacial Rock Flour be Used to Reduce Algal Biomass in Large-Scale Mesocosms. October 2018. Theodore Harris. Great Plains Limnology Conference. Lawrence, KS.

How Do Nitrogen Form and Ration Affect Nitrogen Fixation Rates in Experimental Mesocosms?

October 2018. Theodore Harris. Great Plains Limnology Conference. Lawrence, KS.

Welcome to the University of Kansas Field Station. October 2018. Theodore Harris. Great Plains Limnology Conference. Lawrence, KS.

Multivariate Data Analysis and Interactive Visualization to Address Harmful Cyanobacterial Blooms and Water Quality in Lakes and Reservoirs. November 2018. Misty Porter, Mary Hill, Ted Harris, Josh Roundy and Nate Brunsell. Kansas Governor's Water Conference. Wichita, KS.

The Discover Framework for Interactive-Visualization and Domain-Knowledge-Supported Analysis of Multivariate Spatial-Temporal Data Sets. June 2019. Misty Porter and Mary Hill. EarthCube Annual Meeting. Denver, CO.

Presentations in Social & Behavioral Sciences

COLLAB: Bridging East Africa's Digital Health Divides. 2018. Kathryn Rhine. College of Liberal Arts & Sciences Advisory Board Dinner. Lawrence, KS.

COLLAB: Bridging East Africa's Digital Health Divides. 2018. Emily Riley and Kathryn Rhine. 2018 School of Languages, Literatures & Culture Advisory Board Meeting. Lawrence, KS.

Global Medical Humanities: Bridging Digital Divides in Healthcare. 2018. Kathryn Rhine. NEH Humanities Connections Project Directors Meeting. Washington, DC.

The Relationship Between Daytime Sleepiness and Daily Steps in Older Adults. February 2018. Christina Khou, Alex Laffer, Catherine Siengsukon, and Amber Watts. Active Learning Research. Banff, Alberta, Canada.

The Athletes' Relationships with Training Scale (ART): A Self-Report Measure of Unhealthy Training Practices and Eating Disorder Risk. April 2018. Danielle Chapa, Kelsie Hagan and Kelsie Forbush. 2018 International Conference on Eating. Chicago, IL.

Crime-Terror Intersections and Intelligence-Led Responses. April 2018. Mariya Omelicheva and Lawrence Markowitz. U.S. Government Responses to the Climate-Terror Nexus. When the Crime-Terror Nexus Does Not Materialize: Drug Trafficking and Terrorism in Russia. University of Kansas, Lawrence, KS.

The Differential Association Between Affect and Sleep in Adolescents With and Without Functional Gastrointestinal Disorders. April 2018. Alexandra Monzon. Christopher Cushing, Craig Friesen, and Jennifer Schurman. Society of Pediatric Psychology Annual Conference. Orlando, FL.

A Systematic Review and Meta-Analysis of the Impact of Aerobic Exercise on Pain Intensity in Children with Chronic Pain. April 2018. Kichline Tiffany and Cushing Christopher. Society of Pediatric Psychology Annual Conference. Orlando, FL.

Treatment Seeking for Eating Disorders: Results from a Nationally Representative Study. April 2018. Brittany Bohrer, Ian Carroll, Po-Yi Chen and Kelsie Forbush. Academy for Eating Disorders: International Conference on Eating Disorders, Chicago IL.

Weight and Waiting for Reward: Behavioral and Neural Correlates of Delay Discounting and Reward Evaluation in Obesity and Binge Eating Disorder. April 2018. Kelsie Hagan. 2018 International Conference on Eating Disorders. Chicago, IL.

Loop Induced Single Top Partner Production and Decay at the LHC. May 2018. Jeong Han Kim and Ian Lewis. High Energy Physics Group. University of Pittsburgh, Pittsburgh, PA.

Shedding Light on Top Partner at the LHC. May 2018. Haider Alhazmi, Jeong Han Kim, Kyoungchul Kong and Ian Lewis. High Energy Physics Group. University of Pittsburgh, Pittsburgh, PA.

Desplazamientos y Movilidad en el Cine Indígena Colombiano. June 2018. Kichline Tiffany. ILI 2018 Congress Encuentro de Bogotá: intersecciones, desacuerdos, pertenencias. Pontificia Universidad Javeriana, Bogotá, Colombia.

Digital Inequalities in the U.S. Heartland: Exploring the Information Security Experiences of Marginalized Internet Users. June 2018. William Staples and Warren Alexander. 8th biennial Surveillance Studies Network Conference. Aarhus, DK.

HIV, Identity, and Tanzania: Exploring Post-Illness Identity. October 2018. Kathryn Rhine and Symantha Dawson. Mid-American Alliance for African Studies. Iowa State University, Ames, IA.

Memory and Monument: Genocide and Remembrance in Namibia. October 2018. Mid-American Alliance for African Studies. Mariah Crystal. Iowa State University, Ames, IA.

Emmett Till Memory Project. January 2019. Dave Tell. Digital Humanities Seminar. University of Kansas.

Remembering Emmett Till. January 2019. Dave Tell. Billie Mills Middle School, Lawrence, KS.

Remembering Emmett Till. February 2019. Dave Tell. Bishop Seabury Academy, Lawrence, KS.

The Murder of Emmett Till. February 2019. Dave Tell. Leavenworth Public Library, Parsons, KS.

The Murder of Emmett Till. February 2019. Dave Tell. Parson Public Library, Parsons, KS.

The Murder of Emmett Till. February 2019. Dave Tell. West Wyandotte Library, Kansas City, KS.

Remembering Emmett Till. February 2019. Dave Tell. University of Georgia, Athens, GA.

Jesmyn Ward and the South. March 2019. Dave Tell. The Commons, University of Kansas.

Public Humanities and Emmett Till. March 2019. Dave Tell. Mississippi State University. Starkville, MI.

Remembering Emmett Till. April 2019. Dave Tell. University of Oklahoma. Norman, OK.

Remembering Emmett Till. May 2019. Dave Tell. Book Talk. Park City Public Library, Park City, KS.

Remembering Emmett Till. May 2019. Dave Tell. Book Talk. West Wyandotte Library, Kansas City, KS.

Remembering Emmett Till. June 2019. Dave Tell. Book Talk. East City Bookshop, Washington, D.C.

Remembering Emmett Till. September 2019. Dave Tell. Florida State University, Tallahassee, FL.

The Murder of Emmett Till. November 2019. Dave Tell. Village Presbyterian Church, Prairie Village, KS.

Remembering Emmett Till. March 2020. Dave Tell. W. Norwood Brigrance Forum Lecture. Wabash College, Crawfordsville, IN.

C. Publications & Creative Works

JOURNAL ARTICLES

Frobenius Powers of Some Monomial Ideals. Emily Witt, Daniel Hernández and Pedro Teixeira. Submitted for publication 2018.

Functional Equations, V -filtrations, and Multiplier Ideals of Direct Summands. Emily Witt, J. Álvarez Montaner, D. Hernández, J. Jeffries, L. Núñez-Betancourt, and P. Teixeira. Preprint.

σ -Modules and σ -Jumping Numbers. Emily Witt, A. De Stefani, D. Hernández, and L. Núñez-Betancourt. Preprint.

BOOKS & BOOK CHAPTERS

Rethinking Testimonial Cinema in Postdictatorship Argentina: Beyond Memory Fatigue. March 2019. Veronica Garibotto. Indiana University Press.

Movilidad y Contra-Hegemonía en el Cine Documental Argentino de los Noventa". Poéticas del Desplazamiento en la Cultura Visual y Narrativas Actuales. Fall 2018. Veronica Garibotto. Hispanic Studies Review.

Sentimiento codificado: ideologías del miedo en el cine argentino de la posdictadura. Narrativas del miedo: Terror en obras literarias, cinemáticas y televisivas de Latinoamérica. Fall 2018. Veronica Garibotto, Marco Ramírez, Karem Langer, and David Rozotto. Peter Lang Publishing.

Pitfalls of Trauma: Revisiting Postdictatorship Cinema from a Semiotic Standpoint. Fall 2017. Veronica Garibotto. Latin American Research Review.

Private Narratives and Infant Views: Iconizing 1970s Militancy in Contemporary Argentine Cinema. June 2015. Veronica Garibotto. Hispanic Research Journal.

Decorative Arts of the Tunisian École. Anticipated 2019. Jessica Gerschultz. Pennsylvania State University Press.

I Am Fan Yusu': Baomu Writing and Grassroots Feminism against the Post-Socialist Patriarchy. Xiao, Hui Faye. (draft completed).

Feminisms with Chinese Characteristics: An Introduction. Xiao, Hui Faye (in progress).

DIGITAL RESOURCES

COLLAB: Bridging East Africa's Digital Health Divides: <http://collab.ku.edu>. Kathryn Rhine.

TestIdeals for computer algebra software Macaulay2. Emily Witt.

Essays

Far from the Rhine: German-American Poetry during World War I. A History of American Literature and Culture of World War One. Submitted November 2018. Lorie Vanचना. Cambridge: Cambridge University Press.

OUTREACH

Waving the Wheat in Tanzania: A Photo Essay. KU College Stories. Kathryn Rhine, Mark Sheaves, Rick Hellman, and Joel Mathis. College of Liberal Arts & Sciences, University of Kansas.
<http://blog.college.ku.edu/waving-the-wheat-in-tanzania/>

EXHIBITIONS

To Be Seen: Consumption. January, 2018. Sarah Gross. Living Arts Gallery. Tulsa, OK.

To Be Seen: Consumption. Fall, 2018. Sarah Gross. Kansas City Arts Coalition: OpenSpaces Extended Field Exhibition. Kansas City, MO.

To Be Seen: Fall in Line. October 2018. Sarah Gross. Southern Miss Ceramics National Exhibition. Hattiesburg, MS.

To Be Seen: Consumption. January 2019. Sarah Gross. Thought and Form Exhibition. University of Minnesota, Katherine E. Nash Gallery. Minneapolis, MN.

To Be Seen: Climbers. March 2019. Sarah Gross. NCECA Exhibition. St. Catherine's University, St. Paul, MN.

D. Examples of Student Participation in Research

East Africa's Digital Health Divides: A CollaBorative Analysis

Kathryn Rhine, PhD | Anthropology
\$30,000 | Collaborative Research Fund

CollAB bridges the study of Kiswahili with perspectives from the humanities and humanistic social sciences. It aims to prepare students for a wide range of careers by providing a framework for examining the relationship between global health, development initiatives, and Tanzanians' everyday lives. Students are essential to this project, and we provide them life-long skills in return. Seven students participated in the lab over spring-summer 2018, and five of the students described below intend to participate in the lab for a second year.

- 1. Foreign Language Proficiency:** For this project, students commit to studying Kiswahili for at least one year. All students who elected to participate in a second year of collAB also chose to enroll in advanced coursework in the language over 2018-2019. This program added to their competitiveness for FLAS (Foreign Language & Area Studies) fellowships and other nationally competitive fellowships for research and language training abroad. Furthermore, two students submitted applications for Fulbright fellowships to Tanzania for 2019-2020 with mentoring on these applications.
- 2. Cross-Cultural Communication:** In Tanzania, students quickly learned the limits of classroom-based language training. By living and working alongside Tanzanians, they learned hundreds of new terms and concepts as well as how to improvise when they lacked the vocabulary to express themselves. More importantly, they realized how their efforts to learn and speak Kiswahili was crucial to establishing rapport and building relationships with community members. These relationships are the cornerstone to effective problem-solving and impactful research in East Africa.
- 3. Reflexivity:** In Tanzania, students were challenged to not only assess and navigate racialized, gendered, and class-based inequities that are reproduced in a foreign-funded and foreign-led NGO (Non-Governmental Organization), but they also learned to recognize how their relative positions of power—as privileged, white, American students—were embedded in and products of these unequal systems. Each night, through faculty-led guided reflection exercises, students were challenged to identify how their positionality shaped the kinds of interactions they had and knowledge they acquired. The ability to come to terms with one's place in a group—and indeed, the world, is essential for all professions.
- 4. Teamwork:** Teamwork and collaborative skills are fundamental to the individual and collective success of lab students. As most of the activities of the field school involved working and living in a group setting, critical listening and communication abilities were critical. Students learned the importance of demonstrating respect, flexibility, and trustworthiness both to one another and to the community members with whom they worked and served.

5. Project Management: All students are responsible for both designing individual projects and contributing to the collective goals of the lab. Lab meetings and pro-seminars have focused on breaking down research projects into their components and stages. Students contended with questions ranging from the scope of their individual projects to the resources they needed to accomplish them. While given the autonomy to explore their interests, students also demonstrated a great deal of self-motivation and strong time management skills to meet deadlines.

6. Networking: Networking opportunities have also been embedded into the structure of the lab. Throughout the spring semester, our students had the chance to meet in-person with the directors of Mufindi Orphans and KU alums, Jenny Peck and Geoff Knight. This required listening skills, the ability to ask meaningful questions, and speak concisely about their respective interests. In Tanzania, students were presented with numerous mentoring opportunities. Our students met with KU alum, Walter Bgoya and our collaborator and consultant, Oswald Masebo. Finally, as students plan to conduct long-term projects in Tanzania, their networks also grew to include community members, clinicians, and other key informants they met through the field school.

WWI American Immigrant Poetry Project

Lorie Vanchena, Associate Professor | Germanic Languages & Literatures
\$6,500 | Dean's Award for Exceptional Student Mentoring Fund

We sponsored one undergraduate research assistant for this project. Currently he is working as a data scientist for XPO Logistics, a global logistics company in North Carolina. He has continued to work on the project website and we plan to co-author an article from our data analysis in 2019.

Commutative Algebra

Emily Witt, Assistant Professor | Mathematics
\$5,500 | Course Release Fund

During the course release, I have actively mentored two undergraduate students, in different ways: One of my undergraduate students is a top-performing mathematician, and I have been supplementing her coursework for several years with more advanced topics. During the course release, we have been working on a research project and are discussing applications to graduate school.

A second undergraduate student is working on a project that involves cutting-edge cryptographic methods in different computer programs, studying the mathematics behind them, and pushing them to a new level. I am also helping this student (who is interested in working as a programmer or in computer security) prepare a resume and LinkedIn page, and his code will be posted publicly on a GitHub page as a supplement to his resume.

I also wrote an NSF CAREER proposal during the course release that if funded would have strong positive impacts on my students. First, it would support a research collaboration conference for women in the field of commutative algebra. Undergraduate students from KU would be included in a summer research program sponsored by NSF (REU) that targets students from underrepresented groups. Moreover, graduate students would be trained in using Macaulay2 software.

Feminisms with Chinese Characters: 1995-2017

Hui Faye Xiao, Associate Professor | East Asian Languages & Culture
\$5,500 | Course Release Fund

Two undergraduate students have participated in the research aspects of this project and both are enrolled in my fall course, "Modern Chinese Fiction and Film." They are working closely with me on translating the autobiographical essay "I am Fan Yusu" from Chinese into English, which will be included in the proposed volume. I meet with both students regularly to (1) discuss the progress of their translational project, (2) to help them solve problems and questions related to linguistic matters, cross-cultural context, and textual analysis, (3) to compare different strategies and skills used in the process of translation, and (4) to guide them to conduct research about overall historical backgrounds and socio-cultural ramifications. Students are also expected to write up a reflective essay analyzing the socio-cultural significance of the translated text and deliberating the skills and strategies they developed to overcome the linguistic and cultural obstacles in the process of translation. During the last week of the class, they will also give a joint presentation about this project. Completing a lengthy translation of an authentic and contemporary Chinese text within one semester offers intensive and rigorous training for students, requiring them to understand how to manage time efficiently and collaborate with teammates to apply what they have learned in class. It also helps them to develop a better grasp of the Chinese language and feminist history, articulate critical views of social and cultural issues clearly in oral and written forms, and build up a repertoire of essential translational strategies and independent research skills that they can use in their future careers.

Civilization through Motorization: Vehicles and Roads in Europe's African Empires, 1900-1945

Andrew Denning, Assistant Professor | History
\$5,000 | Discipline Specific Research Fund

For this project, an undergraduate student traveled to London to serve as a research assistant. She spent a month working with me in the National Archives of Britain looking through documents, processing them, and taking notes. During this time, she also conducted research for her own Honors Thesis in History. In the process of doing her own research and helping me, she developed key critical thinking skills. She altered her research questions in light of collected evidence and sought new sources and repositories. She took her first major trip abroad and came to feel comfortable with, and eventually master, a massive city of ten million people, where she had a number of experiences that expanded her cultural horizons such as eating Indian food for the first time and attending services at Westminster Abbey.

The Crime-Terror Nexus: How the Illicit Global Economy and International Terrorism Intersect

Mariya Omelicheva, Associate Professor | Political Science
\$5,000 | Fill-in-the Gap Fund

Three graduate students and one undergraduate student funded by the Minerva grant assisted in my work on the conference papers as well as preparing for the conference. The graduate students received opportunities to conduct supervised data collection and research that allowed them to gain skills that will be critical for their future careers. The undergraduate students, especially those from the sciences and engineering, expanded their social science knowledge. Our conference aimed to provide undergraduate students with information about new educational curriculum in intelligence as well as future career opportunities in that field.

EAGER: Digital Inequalities in the Heartland: Exploring the Information Security Experiences of Marginalized Internet Users

William Staples, Professor | Sociology
\$5,000 | Fill-in-the Gap Fund

This project includes a multi-disciplinary team of four graduate students and one undergraduate who conduct field work, interviews, data analysis, and privacy appliance development. Currently, they are focused on data collection and analysis and are exposed to all facets of the project and the process of research design and implementation. They will all be participating in drafting and publishing the results and will be given authorship for their efforts.

Out of the Fruit and into the Flower: A Test of the Genetic Basis for Evolutionary Novelty

Lena Hileman, Professor | Ecology & Evolutionary Biology
\$5,000 | Time Sensitive and Urgency Fund

Through this project, both a graduate and undergraduate student have learned time management and administrative skills necessary to run a major research project. Both have gained experience working with participants, managing data, administering tests, and attending conferences to network and disseminate the results. This project also supported the training of one postdoctoral researcher, Dr. Vibhuti Singh. Her stipend came from the Indian government, but this award supported all of her needed research supplies and chemical reagents. Dr. Singh gained skills in independent research design, implementation and mentoring. She gained specific skills in plant transgenics, a key goal of her training. The skills she gained in my lab will greatly improve her qualifications for a position in academics or industry.

I anticipate that a new Masters student in my lab will gain key skills in research independence and plant transgenic techniques through her continued effort on this project. Her goal is a career in plant biotechnology; these skills will make her highly competitive for a future career in this field.

Hedonic Appetite, Inhibitory Control Training, and Food Consumption in Adolescents

Christopher Cushing, Assistant Professor | Clinical Child Psychology
\$4,800 | Child Language Doctoral Program Fund

One of my graduate students in Clinical Child Psychology is using this project as part of her dissertation. In addition, an undergraduate student who is participating in this project is learning about the research process and plans to use some of the data for local presentations in the Psychology Department in order to develop communication skills.

"Chirality from Molecules to Materials: Advances in Experiment Theory" Symposium

Marco Caricato, Assistant Professor | Chemistry
\$1,000 | Conference/Meeting/Exhibit Sponsorship Fund

The audience in the symposium included a large number of graduate students from around the world who had the opportunity to listen and interact with leaders in the field of chirality. Two of my graduate students also presented talks at the symposium. Additionally, my graduate students had the opportunity to meet and talk to the prominent scientists who participated in the symposium, expanding their network that is critical for professional advancement in the natural sciences.

Great Plains Limnology Conference at the University of Kansas Field Station

Theodore Harris, Assistant Research Professor | Kansas Biological Survey
\$1,000 | Conference/Meeting/Exhibit Sponsorship Fund

For this conference, students were able to: (1) present preliminary and published research in oral and poster presentations, (2) attend the meeting for free (without registration costs), (3) network with 68 attendees, which included representatives and investigators from over 15 universities and governmental agencies, (4) meet international students, whereby two graduate students from Mongolian universities attended in association with the MACRO rivers project (James Thorp, KU/KBS PI), and (5) learn about regional research on microbes, algae, fish, chemical water quality, zooplankton, and invertebrates in river, stream, wetland, lake, and reservoir aquatic ecosystems.

Mid-America Alliance for African Studies Conference

Elizabeth MacGonagle, Associate Professor | Kansas African Studies Center
\$1,000 | Conference/Meeting/Exhibit Sponsorship Fund

Several graduate students participated in this conference and presented their work. We featured three graduate students during the opening panel and awarded the Kenneth P. Lohrentz Graduate Paper Prize. One graduate student in Psychology stood for election as an officer of MAAAS and was elected vice president/president elect. She is now the president of the organization and KASC will host the conference again in the fall of 2019 (this year, it was held at Iowa State in October 2018). MAAAS provides a welcoming and supportive space for graduate students to make presentations and receive constructive feedback. It also allowed KU students to interact with other students attending from nearby schools in the region.

Several undergraduate students who assisted us with logistics also benefitted from seeing a conference “in action” and talking with scholars (and their own professors) during the breaks. I have spoken with the MAAAS leadership about opening up the conference to allow for research presentations from advanced undergraduates in 2019; they agreed to do so and therefore we are very excited about adding this new addition for the upcoming year.

“The Unexpected Caribbean” Symposium

Giselle Anatol, Professor | English

\$1,000 | Conference/Meeting/Exhibit Sponsorship Fund

KU undergraduates and graduate students attended various events during the symposium. They listened, asked questions during the Q&A sessions, and networked with other participants, students, faculty, and independent scholars. During the symposium, three graduate students presented papers and eight graduate students participated in filmed interviews of the 5 keynote and plenary speakers (Dance, Felima, Irving, Jean-Pierre, Thompson). These interviews will be edited by graduate students in Film & Media Studies and then archived with the History of Black Writing Project. In addition, three graduate students served on the symposium’s planning committee and participated in the important professionalization activity of communicating with keynote/plenary speakers and meeting with them during their visits. This built leadership and project management skills for these students. Furthermore, seven graduate students served as Panel Chairs. For this, they were responsible for communicating with the scholars on their panels before their arrival to Lawrence, collecting biosketches, introducing the speakers at the panels, synthesizing material from their presentations as an opening to the Q&A period, and fielding audience questions.

This symposium also served students that were not directly involved as speakers or planners. For example, a first-year honors student and students from the course, “Haiti: Culture and Identity” attended several panels as part of their course assignments. A group of undergraduate and graduate student dancers from the University Dance Company, under the directorship of Professor Michelle Heffner Hayes, researched Haitian history, culture, and spirituality for their performance of “Vini Pi Pre” [“Come Closer”] at the opening reception. Also, a contingent of 11 undergraduate students who are considering graduate study and their mentor/professor from Langston University (a HBCU) attended portions of the symposium to learn more about the resources that the University of Kansas has to offer graduate students.

E. Impacts on Kansas

East Africa's Digital Health Divides: A CollaBorative Analysis

Kathryn Rhine, PhD | Anthropology
\$30,000 | Collaborative Research Fund

While the focus of this work is East Africa, Kansas is home to large populations of immigrants of East African descent. Through this work, students are gaining skillsets, including advanced proficiency in Kiswahili, which will allow them to conduct research, outreach, and work closely with members of these Kansan communities. In addition, the Community Tool Box (CTB), a free, on-line resource for building healthier communities is used widely across the state of Kansas. As our students generate Kiswahili content for this website, their contributions to the CTB will help Kiswahili-speaking Kansans develop their own tools and strategies to promote positive change in their local communities and beyond.

Garden City

Robert Hurst, Associate Professor | Film & Media
\$8,660 | Discipline Specific Research Fund

Our undergraduate student on the project is assisting with 1) immigration policy research, 2) gathering and cataloging archival news material, and 3) production assistance of this documentary on location. This has allowed the student to gain skills in research for documentaries and archival projects and will enhance understanding of a diverse immigrant community in Kansas among the general population.

EAGER: Digital Inequalities in the Heartland: Exploring the Information Security Experiences of Marginalized Internet Users

William Staples, Professor | Sociology
\$5,000 | Fill-in-the Gap Fund

For this project, graduate students have spent 10-15 hrs/week for 9 months volunteering as computer help desk staff in public libraries in northeastern Kansas that serve a diverse population of citizens. As we continue to develop practical tools and strategies to help protect the digitally disenfranchised from security and privacy threats throughout the remainder of this grant, our influence on the cybersecurity of Kansans will have a growing impact.

Out of the Fruit and into the Flower: A Test of the Genetic Basis for Evolutionary Novelty

Lena Hileman, Professor | Ecology & Evolutionary Biology
\$5,000 | Time Sensitive and Urgency Fund

This project has helped to develop a skilled workforce in Kansas through the training of undergraduate students, graduate students and postdocs in cutting-edge biological research that is relevant to the growing field of plant biotechnology.

Hedonic Appetite, Inhibitory Control Training, and Food Consumption in Adolescents

Christopher Cushing, Assistant Professor | Clinical Child Psychology
\$4,800 | Child Language Doctoral Program Fund

This project has impacted adolescents and their families in Kansas by teaching them about the process of conducting research in the area of eating disorders and how researchers work to understand this societal challenge. As we advance on this project, our findings will have implications for bettering the health of Kansans more broadly.



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