IT ALL STARTS HERE.

Research, Scholarship, and Creative Activity in the College of Arts and Sciences

2018-2019
IT ALL STARTS HERE.

RESEARCH, SCHOLARSHIP, AND CREATIVE ACTIVITY
IN THE COLLEGE OF ARTS AND SCIENCES
2018-2019

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INTERIM DEAN
Jeanette Altarriba

VICE DEAN
Kathleen Gersowitz

ASSOCIATE DEAN
Susanna Fessler

ASSISTANT DEANS
Elizabeth Gaffney
Celine LaValley
Debernee Privott
Marie Rabideau

IT ALL STARTS HERE.

Research, Scholarship, and Creative Activity in the 2018-2019 College of Arts and Sciences Compendium

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Photos by Marketing Services
MESSAGE FROM THE DEAN

In keeping with our long-standing tradition of cutting edge research, discovery, scholarship, and creative engagement, the College of Arts and Sciences is pleased to share this compendium that highlights the achievements of our faculty during the timeframe covering May 1, 2018, through to April 30, 2019. These works are the product of diligent knowledge-seeking, local and global partnerships, and collaborations that include colleagues, students, and co-authors who span the globe and whose works are as comprehensive and all-encompassing as the College of Arts and Sciences, itself.

We are proud to be a College that represents fields of endeavor spanning natural and social sciences, humanities, languages, arts, music, theatre, and so many other significant and vibrant domains that make up a College as diverse as ours. We invite you to comb through these pages with an aim towards understanding the depth and breadth of topics, questions, and areas of focus that have happily engaged our researchers over the past year and that have resulted in publications and works that have greatly added to our knowledge across a vast array of disciplines.

We remain proud of the many fine contributions that our researchers, scholars, and artists have made over the past year, and we know that this kind of work is at the heart of a College like ours, and indeed is a cornerstone of the University at Albany’s strategic mission and goals. My congratulations to all of those who were part of this year’s compendium.

Jeanette Altarriba, Ph.D.
Interim Dean, College of Arts and Sciences
Collins Fellow
Professor of Psychology
Faculty, University Art Museum Recognized at State of the University System Address

Results of a Three-Year, Interdisciplinary Project Shared at the SOTUS Campus Showcase

Faculty from the College of Arts and Sciences and representatives from the University Art Museum presented the results of a three-year collaborative project at the 2019 State of the University System Campus Showcase.

The interdisciplinary project began three years ago as a set of courses taught through the Department of Art and Art History, the Department of English and the University Art Museum, according to Daniel Goodwin, an Associate Professor of Art and the Director of the Studio Art Program in the Department of Art and Art History. Goodwin developed and taught the art courses in conjunction with Corinna Ripps Schaming, Interim Director and Curator of the Museum, and Edward Schwarzschild, an Associate Professor and Director of Creative Writing in the Department of English and a fellow of the New York State Writers Institute.

Embassy Appointment

Adapted from the NewsCenter | December 2018

Visual artist Kianja Strobert joined the Art & Art History faculty in Fall 2018 with superb credentials. The showings of her mixed-media sculptures and works on paper have included seven solo exhibitions, and the sales of her work have come from galleries in New York City, London, New Orleans and elsewhere.

One of Strobert’s paintings, *The Ferryman* (pictured left), was chosen by the U.S. State Department to grace the walls of the U.S. Embassy in Mauritania. “This is a very great honor, and we are exceedingly proud of Professor Strobert,” said Department Chair Sarah Cohen.

*The Ferryman by Kianja Strobert*
ART AND ART HISTORY

Rakhee Balaram


Roger G. Bisbing


Amy R. Bloch


JoAnne Carson


Sarah R. Cohen


Rob S. Edelman


Kianja Strobert

Thomas A. Bass
PROFESSOR
DEPARTMENT OF ENGLISH

_The Spy Who Loved Us: The Vietnam War and Pham Xuan An’s Dangerous Game_

_U.S. Embassy Mauritania, Invited work. Mauritania, Africa. October 1 - Present._

_University of Massachusetts Press 2018_

Pham Xuan An was one of the twentieth century’s greatest spies. While working as a correspondent for Time during the Vietnam War, he sent intelligence reports—written in invisible ink or hidden inside spring rolls in film canisters—to Ho Chi Minh and his generals in North Vietnam. Only after Saigon fell in 1975 did An’s colleagues learn that the affable raconteur in their midst, acclaimed as “dean of the Vietnamese press corps,” was actually a general in the North Vietnamese Army. In recognition of his tradecraft and his ability to spin military losses—such as the Têt Offensive of 1968—into psychological gains, An was awarded sixteen military medals.

After the book’s original publication, WikiLeaks revealed that Thomas A. Bass’s account of An’s career was distributed to CIA agents as a primer in espionage. Now available in paper with a new preface, An’s story remains one of the most gripping to emerge from the era.

cover image and synopsis from publisher

Richard A. Barney
ASSOCIATE PROFESSOR
DEPARTMENT OF ENGLISH

_Systems of Life: Biopolitics, Economics, and Literature on the Cusp of Modernity_

_Fordham University Press, 2018_

Systems of Life offers a wide-ranging revaluation of the emergence of biopolitics in Europe from the mid-eighteenth to the mid-nineteenth century. In staging an encounter among literature, political economy, and the still emergent sciences of life in that historical moment, the essays collected here reopen the question of how concepts of animal, vegetable, and human life, among other biological registers, had an impact on the Enlightenment project of thinking politics and economics as a joint enterprise. The volume’s contributors consider politics, economics, and the biological as distinct, semi-autonomous spheres whose various combinations required inventive, sometimes incomplete, acts of conceptual mediation, philosophical negotiation, disciplinary intervention, or aesthetic representation.

cover image and synopsis from publisher


Jason K. Van Staveren


Simeon D. Youngmann


**EAST ASIAN STUDIES**

Andrew S. Byron

Fan Pen L. Chen

Anthony DeBlasi


Susanna Fessler


James M. Hargett

Peter B. Kwon

John D. Person

Aaron P. Profitt

Thomas A. Bass


Bret E. Benjamin


ENGLISH

Richard A. Barney


James M. Hargett
PROFESSOR
DEPARTMENT OF EAST ASIAN STUDIES

Jade Mountains and Cinnabar Pools: The History of Travel Literature in Imperial China

University of Washington Press, 2018

First-hand accounts of travel provide windows into places unknown to the reader, or new ways of seeing familiar places. In Jade Mountains and Cinnabar Pools, the first book-length treatment in English of Chinese travel literature (yoují), James M. Hargett identifies and examines core works in the genre, from the Six Dynasties period (220-581), when its essential characteristics emerged, to its florescence in the late Ming dynasty (1368-1644). He traces the dynamic process through which the genre, most of which was written by scholars and officials, developed, and shows that key features include a journey toward an identifiable place; essay or diary format; description of places, phenomena, and conditions, accompanied by authorial observations, comments, and even personal feelings; inclusion of sensory details; and narration of movement through space and time.

cover image and synopsis from publisher

Laura Tetreault


Lynne M. Tillman


Laura A. Wilder


**HISTORY**

Michitake Aso


Carl J. Bon Tempo


Alexander S. Dawson


Richard S. Fogarty


Federica Francesconi


Kori A. Graves

Richard F. Hamm

Ryan M. Irwin

Maeve Kane

Nadieszda Kizenko


Dimitri Korobeinikov

Patrick J. Nold

Christopher L. Pastore


Kendra Smith-Howard

Michael Taylor


Laura Wittern-Keller
Michitake Aso
ASSISTANT PROFESSOR
DEPARTMENT OF HISTORY

Rubber and the Making of Vietnam: An Ecological History, 1897–1975

The University of North Carolina Press, 2018

Dating back to the nineteenth-century transplantation of a latex-producing tree from the Amazon to Southeast Asia, rubber production has wrought monumental changes worldwide. During a turbulent Vietnamese past, rubber transcended capitalism and socialism, colonization and decolonization, becoming a key commodity around which life and history have evolved. In this path-breaking study, Michitake Aso narrates how rubber plantations came to dominate the material and symbolic landscape of Vietnam and its neighbors, structuring the region’s environment of conflict and violence. Also demonstrates how postcolonial socialist visions of agriculture and medicine were informed by their colonial and capitalist predecessors in important ways.

Alexander S. Dawson
ASSOCIATE PROFESSOR
DEPARTMENT OF HISTORY

The Peyote Effect: From the Inquisition to the War on Drugs

University of California Press, 2018

The hallucinogenic and medicinal effects of peyote have a storied history that begins well before Europeans arrived in the Americas. While some have attempted to explain the cultural and religious significance of this cactus and drug, Alexander S. Dawson offers a completely new way of understanding the place of peyote in history. In this provocative new book, Dawson argues that peyote has marked the boundary between the Indian and the West since the Spanish Inquisition outlawed it in 1620. Moving back and forth across the U.S.–Mexico border, The Peyote Effect explores how battles over who might enjoy a right to consume peyote have unfolded in both countries, and how these conflicts have produced the racially exclusionary systems that characterize modern drug regimes. Through this approach we see a surprising history of the racial thinking that binds these two countries more closely than we might otherwise imagine.

Federica Francesconi
ASSISTANT PROFESSOR
DEPARTMENT OF HISTORY

From Catalonia to the Caribbean: The Sephardic Orbit from Medieval to Modern Times - Essays in Honor of Jane S. Gerber

Brill Press, 2018

Each chapter presents new or underappreciated source materials or questions familiar historical models to expand our understanding of Sephardic cultural, intellectual, and social history.
Olimpia A. Pelosi


Lotfi Sayahi


Timothy D. Sergay


Carmen A. Serrano


Megan E. Solon


MUSIC AND THEATRE

Richard Albagli


Hilary W. Cumming


Kyra D. Gaunt


Robert J. Gluck


Max Lifchitz


Eszter Szalczer


Kathryn A. Walat


**PHILOSOPHY**

Marcus P. Adams


Bradley P. Armour-Garb


Jason R. D’Cruz


Kristen M. Hessler


Robert C. Howell


P. D. Magnus


Ariel Zylberman


Jeanette Altarriba says the new textbook she co-edited on bilingualism was a “labor of love.”

This text, the second edition of *An Introduction to Bilingualism; Principles and Processes*, was just released and is published by Routledge Press. It is co-edited by Dr. Roberto Heredia.

Altarriba, then Vice Provost and Dean for Undergraduate Education, said editing the book was “a creative outlet and a passion, as research is really what stimulated me to enter academia and to pursue higher education. I always have to have some kind of research project or initiative going on in the background. It feeds my passion to learn, to know, and to create something original. We are thrilled to know that our work reaches audiences worldwide and that our first edition was so well-received across the globe. We hope to duplicate that reception with this new edition.”

Altarriba dedicated the book to her mother, Mercedes Aresenia Tutusaus de Altarriba, who passed away from cancer during the completion of the book, and did not get to see the final product. “She was a champion of my work, particularly these edited volumes and she had the previous one proudly displayed in her home for others to see. She supported me throughout my entire career and was always proud of my achievements,” said Altarriba of her mother.

The book is written for senior undergraduate and graduate courses in psycholinguistics and the psychology of language, especially those with an emphasis on bilingualism or second language learning.

“The world, and particularly our country, is becoming more and more diverse. Knowing another language is like looking through a window onto another world and another culture,” Altarriba said. Learning words in one language that do not translate to another language, expands one’s repertoire of ideas and concepts, she added. “By this measure, it is truly fascinating to know more than one language and to be able to communicate with more people across the world. This book should ultimately stimulate and motivate others to learn new languages.”
ANTHROPOLOGY

Elise L. Andaya

Lee S. Bickmore

Louise M. Burkhart

Jennifer L. Burrell


Lauren E. Clemens

James P. Collins

Adam D. Gordon

Walter E. Little
ANTHROPOLOGY'S DYNAMIC DUO

Professor Marilyn Masson

Uncovering a History of Slavery

Through the work of summer archaeological field schools in 2017 and 2018, UAlbany students have uncovered "a time capsule" of the lives of slaves who worked at the Ten Broeck Mansion in early 19th century Albany.

“We located a concentration of materials in 2017 and horizontally expanded our excavation in the area this summer,” said Marilyn Masson, Professor of Anthropology and Director of the six-week projects. The findings represent the remains of a kitchen working space and summer living quarters located in an outbuilding behind the mansion, which was built in 1797.

This summer’s work gave students a better understanding of the architecture, living floors and activity areas associated with the slaves, who were freed via the will of Elizabeth Ten Broeck upon her death in 1813.

“Archaeological research into the daily lives of enslaved persons in cities such as Albany represents an important frontier of study,” said Masson. “It is essential to draw attention to the fact that no single model of ‘slave life’ existed, and research into this topic adds rich detail to their significant contributions to households, communities and avenues of self-determination.”

A Kingdom Fully Realized

An anthropologist unearths an ancient Mesoamerican network of cities.

The region comprising pre-Hispanic Mesoamerica is one of a handful of locations in the world where urban centers were independently established. One of the largest of these centers was the southern Mesoamerica city of Izapa. Up to now, however, while the political, administrative and religious life of Izapa was understood, the kingdom surrounding and feeding off it remained an unknown.

No longer, due to the work of an archeological team led by Anthropology Professor Robert M. Rosenswig. Due also, as Rosenswig comprehensively describes in his published writings, to the 21st century use of Light Detection and Ranging technology (lidar) to complement his team’s traditional pedestrian survey efforts. Before his team’s research, there was no evidence of Izapa’s regional organization.

Through use of lidar, Rosenswig was able to see into earthen mounds — raised areas containing houses, temples and other evidence of human occupation — to see everything from homes to temples in the network of smaller cities. Traditional excavation by his team then uncovered ceramics and other evidence of the cities’ lifestyles.

Adapted from the NewsCenter | July/October 2018


Fan Yang

ECONOMICS
Betty C. Daniel

Chun-Yu Ho


Koomla Ulrich Hounyo


Laurence J. Kranich

Yue Li

Zhongwen Liang

Gerald R. Marschke


Barış K. Yörük


GEOGRAFY AND PLANNING
Carlos Balsas


Julia A. Jennings

ASSISTANT PROFESSOR
DEPARTMENT OF ANTHROPOLOGY

Mentored Research Scientist Career Development Award Recipient (K01) by the National Institute on Aging (NIH)

Anthropology Department Assistant Professor Julia Jennings received the Mentored Research Scientist Career Development Award last year. It was based on her project, *Kin Networks and Old-Age Survival During the Demographic Transition*, which examines the role of kinship ties in the wellbeing of older adults. Family members are important sources of social and instrumental support for aging adults. Elders with strong kin networks experience better health and survival, but as populations age and fertility declines, these networks become sparser. The project investigates the effects of kin networks and economic resources on adult mortality in historical and contemporary aging populations using data from Orkney, Scotland, the Scottish Longitudinal Study, and the Healthy Aging in Scotland (HAGIS) Study.

Adapted from the NewsCenter | November 2018


Ray Bromley


Alexander B. Buyantuev


Kate Coddington


Youqin Huang


Shiguo Jiang


Catherine T. Lawson

Rui Li


Thomas P. Narins


Latin American, Caribbean, and U.S. Latino Studies

Alejandra M. Bronfman


PSYCHOLOGY

Pedro A. Cabán


Gabriel B. Hetland


Hetland, G. B. (2018). The Venezuelan Labyrinth. NACLA.


Christine Vassallo-Oby


Jeanette Altarriba


The study of bilingualism and all of its aspects – from theory and models to social approaches and their practical applications – forms the cornerstone of the Second Edition of this work. The chapters cover the latest advancements in the domains of psycholinguistics, neuroscience, creativity, and executive functioning. Contributions, new to this edition, offer the reader the most up-to-date research on lifespan and developmental issues. The work also provides insight into how human language is processed by all, not just by bilingual and multilingual speakers.

This text is ideal for senior undergraduate and graduate courses in psycholinguistics and the psychology of language, especially those with an emphasis on bilingualism or second language learning.

Jeanette Altarriba
INTERIM DEAN, PROFESSOR
DEPARTMENT OF PSYCHOLOGY

An Introduction to Bilingualism: Principles and Processes, Second Edition
Edited with Roberto Heredia
Routledge, 2018


Drew A. Anderson


James F. Boswell
Mitchell Earleywine

Laurie B. Feldman


John P. Forsyth


Ronald S. Friedman


Brendan J. Gaesser


Elana B. Gordis

Leslie F. Halpern

Julia M. Hormes


Betty Lin

Anna-Kaisa Newheiser


Andrew M. Poulos

Jason G. Randall

Sylvia G. Roch
From Where Comes Depression?

Studies around the world confirm that women are twice as likely as are men to be diagnosed with a form of depression or anxiety. The first question to be posed is “why?”

Studies conducted in the lab of UAlbany behavioral neuroscientist Damian Zuloaga are beginning to answer that question. Zuloaga and colleagues discovered a sex difference in a key cell type that is known to control anxiety and depression within two distinct brain areas in the mouse brain. The first of these areas, the anteroventral periventricular nucleus, was the subject of an article in the journal Neuroscience in October of 2017.

Zuloaga’s discovery of the sex differences revealed in the second area, the paraventricular hypothalamus, has just been accepted for a new article in Neuroscience. The crucial follow-up question now becomes, “Are these cell groups truly important for controlling sex differences in anxiety and depression?”

That is what Zuloaga’s new three-year project, funded by the National Institutes of Mental Health for $462,000, will seek to positively determine. The assistant professor in Psychology has a good idea about how to address the challenge — and it involves the mouse. “Our laboratory has recently discovered two cell groups in the hypothalamus and preoptic area of the mouse brain which show striking sex differences in the distribution of corticotropin-releasing hormone receptor 1 (CRFR1); a cell type known to regulate mood behaviors,” said Zuloaga. “We will perform experiments to determine the function of these sexually dimorphic cell groups and therefore fill a gap in knowledge regarding the specific brain regions that regulate sex differences in anxiety and depression.”

His proposed experiments will investigate the role of these two groups of CRFR1 cells in regulating anxiety and depressive behaviors by selectively destroying these cell groups in mice, through use of a toxin.

Glenn D. Deane


Joanna G. Dreby


Samantha R. Friedman


Brandon C. Gorman


Zoya Gubernskaya


Richard W. Lachmann


Zai Liang


Aaron W. Major


Steven F. Messner


Scott J. South


Elana B. Gordis
ASSOCIATE PROFESSOR
DEPARTMENT OF PSYCHOLOGY

Partners in Programming Award

What began as a way for a psychology professor’s students to conduct child-development research in a real-world setting has turned into an award-winning partnership, with both UAlbany students and children in Schenectady reaping the benefits.

Since 2009, Associate Professor Elana Gordis’ graduate and undergraduate students have been collaborating with the Mont Pleasant site of the Boys & Girls Club of Schenectady. In May, the department was presented with the 2018 “Vincent C. Mastrofrancisco Partners in Programming Award” at the not-for-profit organization’s annual meeting.

Though the partnership is meaningful because of the benefit it provides to the members of the club, the benefits are twofold: In addition to helping the community, the students are gaining valuable knowledge about child development in a real-world, practical environment, Gordis said.

“The partnership with the Club has allowed my students to learn about important issues in children’s development and has also allowed us to study important issues through our research,” she said. “We look forward to more years of this mutually beneficial collaboration.”

Adapted from the NewsCenter | June 2018

Tse-Chuan Yang


James R. Zetka

WOMEN’S, GENDER, AND SEXUALITY STUDIES

Rajani Bhatia


Wen Liu

Barbara Sutton
Newly Distinguished

Lawrence Schell Earns SUNY’s Top Academic Honor

Adapted from the NewsCenter | November 2018

The SUNY Board of Trustees announced 14 faculty appointed to the rank of Distinguished Professor, including Lawrence M. Schell of the College of Arts and Sciences and the School of Public Health.

Schell is a member of the Department of Anthropology with a joint appointment in the Department of Epidemiology and Biostatistics. He also serves as Director of the Center for the Elimination of Minority Health Disparities and is a clinical associate professor at Albany Medical College’s Department of Pediatrics.

“Schell is internationally known and respected for his research on human growth and development, having generated nearly 200 publications that are highly regarded across the fields of anthropology, biology and public health,” a release issued by SUNY stated. “His research has attracted external funding, totaling over $25 million, resulting in important changes in environmental health and the ways in which practitioners and policy-makers serve those most affected by health disparities.”

SUNY notes that Schell has been honored with numerous awards and prestigious fellowships. He is an elected Fellow of the American Association for the Advancement of Science and an Honorary Scientific Advisor for the Institute for Anthropological Research in Croatia. He has received support from the NATO Advanced Study Institute, and was a Fulbright Senior Research Scholar in Italy. Distinguished Professorship is conferred upon SUNY faculty who have achieved national and/or international prominence and a distinguished reputation within their field. Distinction is attained through extraordinary contributions to, and impact on, the candidate’s field of study, evidenced by significant research and/or creative activity. Candidates are role models for students and other faculty, and their work is of such character that it has the potential to elevate the standards of scholarship or creative activity of colleagues both within and beyond their academic fields.
Can Zebras Help Us Understand a Bioterrorism Agent?

Adapted from the NewsCenter | August 2018

Wendy Turner, an Assistant Professor of Biological Sciences in the College of Arts & Sciences (CAS), has received $2.5 million from the National Science Foundation (NSF) to study anthrax transmission among African wildlife.

Anthrax disease, which can be fatal in both humans and animals, is caused by the soil bacterium Bacillus anthracis (B. anthracis). When purified in a lab, the bacterium becomes a bioterrorism agent most known for its white, powder-like appearance. According to Turner, naturally-occurring anthrax is a larger problem than most realize.

Why Anthrax?

Though many people think of the substance used in the 2001 attacks in which anthrax spores were transported via mail, anthrax has been a deadly epidemic in wildlife and livestock since long before humans began processing it in a lab for intentional harm. When not in a host, the pathogen forms spores that can survive in soil for decades, awaiting contact with a new host. Additionally, it can be transferred from livestock to humans via infected meat or animal hides.

"Anthrax is a naturally occurring pathogen that's existed all over the world, including in the U.S., for much longer than people have been tinkering with it," Turner said. "Because it is incredibly deadly among wildlife and can be transferred to humans, it's important to have a better understanding of its transmission and evolution."

The Long-Term Impact

A better understanding of this complex disease system could facilitate the development of predictive tools to better manage public health and related policies in developing countries, Turner says. Additionally, this type of information is useful for when anthrax outbreaks occurs in humans, because "If you can understand what's happening in animals, you can also understand the likely source of human infection."

"This grant allows Dr. Turner and her team to investigate a disease that has been known since ancient times but has acquired attention in recent years as an agent of potent biological warfare," said former CAS Dean Edelgard Wulfert. "Her research has not only important implications for public health but may generate new insights into bioterrorism."

(photos by Wendy Turner)
ATMOSPHERIC AND ENVIRONMENTAL SCIENCES

Lance F. Bosart


Kristen L. Corbosiero


Aiguo Dai


Oliver Elison Timm


**Daniel Keyser**


**Andrea L. Lang**


**Jiping Liu**


**Justin R. Minder**


**John E. Molinari**


**Brian E. J. Rose**


**Paul E. Roundy**


**Christopher D. Thornicroft**


**Ryan D. Torn**


Mathias Vuille


BIOLOGICAL SCIENCES

Thomas J. Begley


Chan, C., Pham, P., Dedon, P. C., & Begley, T. J. (2018). Lifestyle Modifications: Coordinating the tRNA Epitranscriptome with Codon Bias to Adapt Translation during Stress Responses. Genome Biology, 19(1), 228.


Marlene Belfort


Haijun Chen

Richard P. Cunningham


Paolo E. Forni

Gabriele Fuchs


Melinda Larsen

Prashanth K. Rangan

Morgan A. Sammons


Annalisa Scimemi


Caren Stark

Ben G. Szaro


Wendy C. Turner


Alex M. Valm


**CHEMISTRY**

Alan A. Chen

Evgeny V. Dikarev


Daniele Fabris


Jeremy I. Feldblum


Gerd-Uwe Flechsig


Igor K. Lednev


An Innovative Path to the Brain

Adapted from the NewsCenter | March 2019

Charting the olfactory pathways to neurological discovery, Paolo Forni of the University at Albany has received more than $3.439 million in National Institutes of Health (NIH) awards over a six-month period — a noteworthy achievement, especially for a young investigator.

Forni, an Assistant Professor of Biological Sciences, this month received his third significant NIH award since September of last year. Two are prestigious R01 grants — an R01 is the original NIH award, targeted at health-related research — and the other an R15 grant that has been involving students in Forni’s research while enhancing the overall research environment at UAlbany.

“The fact that Paolo has garnered three NIH awards at this early stage of his career is remarkable,” said Professor Richard Cunningham, Chair of Biological Sciences. “These awards come from two different Institutes at NIH and show his broad interests in developmental neurobiology. I cannot remember another junior faculty member in the Biological Sciences who has had this level of success in grant funding in my 35 years at UAlbany.”
As Hurricane Florence inched its way toward the coasts of North and South Carolina, the expertise in UAlbany's Department of Atmospheric and Environmental Sciences (DAES) was on full display.

The discussion’s big draw was not a surprise – given that UAlbany is home to the largest concentration of atmospheric, climate and environmental scientists in New York State, and one of the largest in the nation, with close to 120 faculty, researchers and staff.

Several of the department’s researchers are dedicated to better understanding hurricanes, including Kristen Corbosiero, an Associate Professor, and Brian Tang, an Assistant Professor, who were funded earlier this year by the National Science Foundation (NSF) to investigate the effects of ventilation, a flux of cooler, drier air, into tropical cyclones.

Associate Professor Ryan Torn assisted the National Hurricane Center (NHC) with observations for both Hurricane Olivia, expected to hit Hawaii, and Florence.

Adapted from the NewsCenter | September 2018

UAlbany Atmospheric Scientists Offer Climate Change Clues in New Studies

Though most scientists agree that human-induced global warming is the culprit of the Arctic’s transformation, the cause of its faster warming rates than the rest of the world – known as Arctic Amplification (AA) – is still under great debate.

UAlbany’s Aiguo Dai, a Professor in the Department of Atmospheric and Environmental Sciences (DAES), turned to historical data and future climate model projections for answers. His analyses showed that AA would not diminish until the 22nd and 23rd centuries, after nearly all of the Arctic’s sea ice melted away due to increasing CO2 emissions over time.

“Rapid Arctic warming and sea ice loss are attracting a lot of attention in the media, public and scientific community. Our study links the two together and suggests that the sea ice loss is causing the rapid warming in the Arctic,” said Dai.

“The take-home message here is that the melting of Arctic sea ice will not only reduce the habitat for polar bears and open new waterways for ships, but also greatly enhance warming in the region for the coming decades,” Dai said.

“arctic warming and sea ice loss are attracting a lot of attention in the media, public and scientific community. Our study links the two together and suggests that the sea ice loss is causing the rapid warming in the Arctic,” said Dai.

“This could also impact weather patterns in middle latitudes, causing more frequent intrusions of winter polar vortex into the continental U.S.”

DAES Associate Professor Jiping Liu is a co-author on the study, along with researchers from the Chinese Academy of Sciences.

Adapted from the NewsCenter | February 2019


**Jun Wang**


**Ting Wang**


**Zhang Wang**


**Mehmet V. Yigit**


**Antun Milas**

Alexandre B. Tchernev

Rongwei Yang


Yiming Ying


Matthew C. Zaremsky


Changlong Zhong


Kehe Zhu


PHYSICS
Herbert F. Fotso

Laila Hassan

Vivek Jain
Jain, V. (2019). ATLAS Collaboration Papers. Vivek Jain is part of the ATLAS experiment that is operating at the Large Hadron Collider at CERN, Geneva, Switzerland (Organisation Européenne pour la Recherche Nucléaire/European Organization for Nuclear Research). He is listed as a co-author on 136 papers during this period.

Alexander Khmaladze


Laser Focused

Forensic chemist Igor Lednev is once again making headlines for his innovative use of laser lights to help law enforcement catch criminals.

In his latest proof-of-concept study, Lednev, a Professor in the Department of Chemistry at UAlbany, along with recent Ph.D. graduate Kyle Doty, were successful in using their existing forensic technology to distinguish an individual’s age range based on bloodstains. The process is also nondestructive, preserving the sample for future testing.

Getting the Jump on Alzheimer’s

Igor Lednev, an affiliated scientist in UAlbany’s RNA Institute, has his sights on a quick, noninvasive test that will diagnose Alzheimer’s in its earliest stages.

His technology, patented in 2018, relies on a combination of advanced statistics and “Raman Hyperspectroscopy,” a spectroscopic technique that measures the intensity of scattered light by shining lasers on such samples as dry traces of blood or other bodily fluids. No two samples produce the same Raman spectrum, making each measurement unique.

To test his technology, Lednev built a deep ultraviolet Raman spectroscopy instrument that can identify the properties of amyloid fibrils — protein deposits found in the tissues and organs of patients with Alzheimer’s or other neurodegenerative diseases associated with high morbidity and mortality.
Kevin H. Knuth


William A. Lanford


Jonathan C. Petruccelli


Carolyne A. MacDonald


Anna V. Sharikova

Matthew Szydagis
The President's Awards for Exemplary Public Engagement recognize individuals and University programs and units for outstanding achievement in public engagement through research, teaching, learning, service and creative activity. Our awardees epitomize the true meaning of partnership and reciprocity. As a public research institution, UAlbany places great value on working with our communities to identify, address and positively impact critical societal challenges. Those we’ll be honoring represent collaborations across disciplines and sectors. We are extremely proud of all awardees and nominees this year.

**UAlbany Honors Models of Public Engagement**

*Adapted From the NEWSCENTER | April 2019*

The 2019 recipients affiliated with the College of Arts and Sciences include:

**Elana Gordis** – Associate Professor, Department of Psychology for developing afterschool programming for the Boys & Girls Clubs of Schenectady and for her research to improve psychosocial outcomes for youth

**Marcia Osterhout Kees** – Adjunct Faculty, Department of Geography and Planning for her leadership of the Master's in Regional Planning Graduate Studio.

**Triqui Project** – Department of Anthropology, for advancing the department’s research and teaching while preserving the language and culture of the Capital Region Triqui community (Triqui languages originate in Oaxaca, Mexico and are spoken by immigrants) for future generations.

### 2018 Dean’s Award for Outstanding Achievement in Teaching

Associate Professor Ryan Irwin and Instructional Support Specialist Ross Lazear were selected recipients based on their sustained excellence in classroom teaching as revealed by grade-distributions, course assignments, syllabi, student comment, innovative approaches and teaching.

**Ryan Irwin** – Associate Professor, Department of History

Professor Irwin was named the undergraduate director in History in the Fall of 2016. Carl Bon Tempo notes that he is “able to guide even the most challenging students through our major.” Irwin has an impressive teaching record, including curricular revisions. One committee member had observed his teaching and avows that his delivery is impeccable. His syllabi are detailed and clear, and provide concrete examples of work so that students understand exactly what is expected of them in the class. He understands his students and their contexts, which makes connecting with them smooth and effective. He is known as a welcoming instructor who is at the same time very demanding.

**Ross Lazear** – Instructional Support Specialist, Department of Atmospheric and Environmental Sciences

Adjunct Professor Lazear was an extremely strong nomination. Lazear is considered to be an effective and admired teacher. One committee member noted anecdotally that Lazear is responsive to his students in a way that is rare in the academy—he is willing to work with not only UA students but is also responsive to high school students. His chair speaks highly of his contribution to the DAES program. There is no question on the part of the committee that he is deserving of this award.
2019 Chancellor’s and President’s Awards for Excellence

Recipients in the College of Arts and Sciences

Thomas J. Begley
BIOLOGY
President’s Award for Excellence in Research and Creative Activity

Pauline Carrico
BIOLOGY
President’s Award for Excellence in Teaching

Angela Ellis
HISTORY
President’s Award for Excellence in Teaching

Kim Engel
PERFORMING ARTS CENTER
President’s Award for Excellence in Professional Service

Daniel Goodwin
ART AND ART HISTORY
President’s Award for Excellence in Teaching

John Schwaller
HISTORY
President’s Award for Excellence in Research and Creative Activity

Cynthia A. Fox
LANGUAGES, LITERATURES AND CULTURES
Chancellor’s Award for Excellence in Faculty Service

Sean M. Rafferty
ANTHROPOLOGY
Chancellor’s Award for Excellence in Teaching

Tse-Chuan Yang
SOCIOLOGY
Chancellor’s Award for Excellence in Teaching

(photos by Marketing Services)
<table>
<thead>
<tr>
<th>FUNDED PROJECTS</th>
<th>41</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ANTHROPOLOGY</strong></td>
<td></td>
</tr>
<tr>
<td>Lauren E. Clemens</td>
<td>Documentation Language in Diaspora National Science Foundation 4/1/2019 - 9/30/2020 $14,206</td>
</tr>
<tr>
<td>Julia A. Jennings</td>
<td>Kin Networks and Old-Age Survival during the Demographic Transition National Institute on Aging 8/15/2018 - 6/30/2019 $126,838</td>
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<tr>
<td>Robert M. Rosenswig</td>
<td>Origins of Mesoamerican Agriculture: Late Archaic Environment and Human Adaptation in Northern Belize National Science Foundation 9/1/2018 - 8/31/2021 $294,593</td>
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<tr>
<td>Graduate Research Fellowship Award: Rebecca Mendelssohn National Science Foundation 6/1/2016 - 6/30/2021 $46,000</td>
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<tr>
<td>Christopher B. Wolff</td>
<td>Teaching Archaeological Tribal Collaboration in the Northeast and Beyond Open Space Institute 6/1/2018 - 12/31/2018 $6,000</td>
</tr>
<tr>
<td><strong>ATMOSPHERIC AND ENVIRONMENTAL SCIENCES</strong></td>
<td></td>
</tr>
<tr>
<td>Aiguo Dai</td>
<td>PIRE: Climate Research Education in the Americas using Tree-Ring Speleothem Examples (PIRE-CREATE) National Science Foundation 9/1/2017 - 8/31/2022 $803,037</td>
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<tr>
<td>Craig R. Ferguson</td>
<td>The Role of Soil Moisture in Weather Predictability over the U.S. Great Plains NASA Goddard Space Flight Center 8/1/2016 - 7/31/2019 $9,235</td>
</tr>
<tr>
<td></td>
<td>Understanding the Role of the Low-Level Jet in Land-Atmosphere Interactions and Drought over the Southern Great Plains National Science Foundation 4/1/2017 - 3/31/2020 $62,438</td>
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<tr>
<td>Researcher</td>
<td>Project Title</td>
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<tr>
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<tr>
<td>John E. Molinari</td>
<td>Tropical Cyclone Outflow Layer Analysis using High-Resolution TC1 Data</td>
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<tr>
<td>Christopher D. Thorncroft</td>
<td>Intensity and Frequency of Severe Hailstorms</td>
</tr>
<tr>
<td>Junhong Wang</td>
<td>Homogenization of Global Radisonde Temperature Daily Data for Applications in Studies of Climate Extremes and Atmospheric Reanalyses</td>
</tr>
<tr>
<td>J. Andrew Berglund</td>
<td>Impeding Transcription of the Toxic RNAs of Myotonic Dystrophy</td>
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<td>Translational Regulation in Exposure Biology: Xenobiotic-Induced Reprogramming of tRNA Modifications and Selective Translation of Codon-Biased Response Genes in Rat and Human Models</td>
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<td>Andrea L. Lang</td>
<td>Mechanisms of Naphthalene Toxicity in Lung</td>
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<tr>
<td>Thomas J. Begley</td>
<td>Senator Paul D. Wellstone Muscular Dystrophy Specialized Research Center</td>
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### BIOLOGICAL SCIENCES

<table>
<thead>
<tr>
<th>Researcher</th>
<th>Project Title</th>
<th>Supporting Organization</th>
<th>Start Date to End Date</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>Thomas J. Begley</td>
<td>Translational Regulation in Exposure Biology: Xenobiotic-Induced Reprogramming of tRNA Modifications and Selective Translation of Codon-Biased Response Genes in Rat and Human Models</td>
<td>National Institute of Environmental Health Sciences</td>
<td>1/1/2018 - 8/31/2019</td>
<td>$153,707</td>
</tr>
<tr>
<td>Thomas J. Begley</td>
<td>Senator Paul D. Wellstone Muscular Dystrophy Specialized Research Center</td>
<td>National Institutes of Health</td>
<td>9/1/2018 - 8/31/2019</td>
<td>$48,094</td>
</tr>
</tbody>
</table>
BioMarin: Compound Testing Services
BioMarin Pharmaceutical Incorporated
12/21/2018 - 11/12/2019
$16,088

Paolo E. Forni
Role of Inductive Signals Released by Nasal Mesenchyme and Brain in Controlling Terminal Nerve Development and GnRH-1 Neuronal Migration
National Institute of Child Health & Human Development
9/7/2018 - 8/31/2021
$449,897

Molecular Mechanisms Controlling Differentiation and Circuit Formation of Vomeronasal Sensory Neurons
National Institute on Deafness & Other Communication Disorders
12/4/2018 - 11/30/2019
$382,169

Understanding the Role of the Transcription Factor Gli3 in Kallmann Syndrome and Normosmic Forms of Idiopathic Hypogonadotropic Hypogonadism
National Science Foundation
3/12/2019 - 2/29/2020
$240,496

CHEMISTRY
Alan A. Chen
CAREER: Predicting High-Resolution RNA Tertiary Structures using an Experimentally Calibrated Force-Field for RNA Folding
National Science Foundation
6/1/2017 - 5/31/2022
$81,793

REU Supplement to NSF CAREER Grant MCB-1651877 for Undergraduate Summer Research
National Science Foundation
6/1/2017 - 5/31/2022
$2,500

Daniele Fabris
Characterization of nncRNAs' Post-Transcriptional Modifications by Antisense Affinity Capture and MS Analysis
National Institute of General Medical Sciences
8/1/2017 - 7/31/2019
$381,190

RNA Post-Transcriptional Modifications as Possible Communication Hubs between Substances of Abuse and HIV-1 Replication
National Institute on Drug Abuse
4/1/2018 - 1/31/2020
$373,557

Role of Post-Transcription RNA Modifications on Zika Virus Gene Expression
National Institute of Allergy & Infectious Disease
9/6/2017 - 8/31/2019
$129,755

Modulation of RNA Modifications by RNA Viruses
National Institute of General Medical Sciences
8/1/2018 - 7/31/2019
$152,211

Alex Valm
Systems Level Imaging to Reveal Oral Microbial Community Structure and Assembly
National Institute of Dental & Craniofacial Research
8/1/2018 - 7/31/2019
$2,500

Funded Projects | 43
Kristen Fowble
Development and Application of Small-Molecule Spatial Distribution Imaging: Laser Ablation Direct Analysis in Real Time Imaging and Mass Spectrometry (LADI-MS)
US Department of Justice
8/1/2017 - 7/31/2019
$50,000

Igor K. Lednev
Raman Spectroscopy for Analyzing Body Fluid Traces: Universal Method Development
US Department of Justice
1/1/2018 - 12/31/2020
$681,275

010 TAF Class 2018: Development of a New Method for Alzheimer’s Disease Diagnostics Based on Blood Analysis
Research Foundation of State University of NY
7/1/2018 - 7/31/2019
$50,000

Qishan Lin
Neutralizing Nanobodies as Therapeutics for Dengue Virus
National Institutes of Health
8/15/2018 - 5/31/2019
$5,840

Ewelina M. Mistek
Identification and Analysis of Body Fluid Traces using ATR FT-IR Spectroscopy
US Department of Justice
8/1/2017 - 7/31/2019
$49,993

Rabi A. Musah
Detection and Identification of Psychoactive Material Based on SPME-Facilitated DART-MS-Derived Headspace Chemical Signatures and Chemometrics
National Institute of Justice
1/1/2019 - 12/31/2021
$100,000

Li Niu
Testing mRNA Aptamers in ALS Mouse Models
National Institute of Neurological Disorders & Stroke
9/1/2018 - 8/31/2019
$229,025

Jayanti Pandey
Gamma Crystallin Modifications and Mechanisms of Lens Opacity
National Eye Institute
12/1/2015 - 12/31/2019
$382,388

Maksim Royzen
Using Implantable Biomaterial and Bio-Orthogonal Chemistry to Guide Delivery of Antibiotics
National Institute of General Medical Sciences
9/1/2016 - 8/1/2019
$28,544

Development of Catch and Release Approach for Multi-Drug Local Delivery of Chemotherapeutics
National Cancer Institute
9/1/2018 - 8/31/2019
$124,728

Alexander Shekhtman
Real Time (RT) In-Cell NMR Technology to Study Protein Interactions in Live Cells
National Institute of General Medical Sciences
5/1/2018 - 4/30/2020
$615,975

Jun Wang
Development of Single-Cell Multiplex in Situ Tagging Microtechnology for Comprehensive Profiling of Functionally Diverse Subpopulations and Their Signaling Pathways
National Institute of General Medical Sciences
8/1/2018 - 5/31/2019
$279,122

Mehmet V. Yigit
Controllable Small Molecule and RNA Therapeutics
National Institute of General Medical Sciences
6/1/2018 - 5/31/2021
$460,386

Qiang Zhang
I2-Thiolactone Facilitated Peptide Ligations
National Science Foundation
9/1/2017 - 8/31/2020
$257,803

COMMUNICATION
Annis G. Golden
Women’s Health Project
University at Albany Foundation
1/28/2016 - 2/28/2019
$27,500

Women’s Health Project -HRBTCF
Hudson River Bank and Trust Company Foundation
10/11/2018 - 10/10/2021
$59,221

Teresa M. Harrison
Accurate and Scalable Simulation of Influence in Online Social Networks
Defense Advanced Research Project Agency
10/10/2017 - 10/11/2021
$20,000

EAST ASIAN STUDIES
Anthony DeBlasi
Cambridge History of China, Volume 4: Workshop Grant Proposal
Chiang Ching Kuo Foundation
1/1/2019 - 6/30/2019
$20,000

ECONOMICS
Pinka Chatterji
Implementation of New York’s Family Leave Act
Robert Wood Johnson Foundation
10/1/2018 - 9/30/2019
$25,751

Gerald R. Marschke
Innovation in an Aging Society
National Institutes of Health
7/1/2018 - 6/30/2019
$18,996

GEOGRAPHY AND PLANNING
Youqin Huang
Confucius Institute of China Year 4
Confucius Institute of China
1/1/2018 - 12/31/2019
$120,742

Confucius Institute Multiple Sponsors
Multiple Sponsors
4/25/2017 - 11/15/2019
$2,908

Catherine T. Lawson
Technical Support for the Use of National Performance Management Research Data Set (NPMRDS) - Phase 2
US Department of Transportation
12/16/2014 - 9/30/2021
$720,000

New York State Hazard Mitigation Plan Update
Federal Emergency Management Agency
4/16/2018 - 12/31/2019
$400,000
PIRE: Climate Research Education in the Americas using Tree-Ring Speleothem Examples (PIRE-CREATE) (NPMRDS) - Phase 2
National Science Foundation
9/1/2017 - 8/31/2022
$172,079

HISTORY
Richard S. Fogarty
Rebellion and Mobilisation in French and German Colonies (R39102/CN001)
University of Oxford
12/1/2015 - 9/30/2018
$20,248

Bernard Fall and Vietnamese Revolutionary Warfare in Indochina (World Politics and Statecraft Fellowship)
Smith Richardson Foundation Incorporated
5/1/2018 - 5/1/2019
$7,500

David Hochfelder
Picturing Urban Renewal
National Endowment for the Humanities
9/1/2018 - 8/31/2019
$44,628

Remembering Lost Places: A Digital History of Urban Renewal
National Endowment for the Humanities
1/1/2019 - 12/31/2019
$27,000

MATHEMATICS AND STATISTICS
Yunlong Feng
Robust Statistical Learning from Noisy Data
Simons Foundation
9/1/2018 - 8/31/2023
$42,000

Cristian-Paul Lenart
New Perspectives in Combinatorial Representation Theory and Schubert Calculus
Simons Foundation
9/1/2018 - 8/31/2023
$42,000

Marco Varisco
Upstate New York Topology Seminar
National Science Foundation
11/15/2018 - 10/31/2019
$5,980

Yiming Ying
RI: Small: Online AUC Maximization Algorithms for Streaming Data
National Science Foundation
8/15/2018 - 7/31/2021
$299,000

Advanced Peer to Peer Transactive Energy Platform with Predictive Optimization
US Department of Energy
7/2/2019 - 4/19/2019
$37,627

Alexander Khmaladze
Digital Holographic 3D Inspection System
Elves Technologies
6/15/2018 - 8/31/2018
$33,435

A Novel Phase and Spectroscopic Imaging Technique to Evaluate Mitochondrial Dynamics
National Institute on Drug Abuse
2/1/2019 - 1/31/2020
$366,011

Nanofiber Scaffolds for Salivary Gland Regeneration
National Institute of Dental & Craniofacial Research
4/1/2019 - 3/31/2020
$35,009

Oleg Lunin
Ads/CFT Duality and Classical Geometries
US Department of Energy
5/1/2016 - 1/31/2020
$417,885

Jonathan Petruccelli
Simultaneous Phase and Scatter Imaging Towards a Clinical System for Early Stage Breast Cancer Diagnosis
NYS Department of Health
1/1/2019 - 12/31/2019
$162,366

Daniel Robbins
Studying Special Holonomy Manifolds using Conformal Field Theory Tools (NSF 2017)
National Science Foundation
9/1/2018 - 8/31/2021
$60,000

Matthew Szdyagis
LUX-ZEPLIN (LZ) Project Operations
US Department of Energy
5/1/2018 - 9/30/2020
$25,000

The LUX-ZEPLIN Dark Matter Experiment: From Exclusion to Discovery Potential with Better Simulations and Vetos
US Department of Energy
6/1/2016 - 3/31/2019
$90,000

PSYCHOLOGY
Kristin V. Christodulu
CARD Albany and NYS Regional Centers for Autism Spectrum Disorders
NYS Education Department
7/1/2017 - 6/30/2019
$186,000

A Statewide Initiative Designed to Increase Capacity of School Personnel to Educate Students with Autism Spectrum Disorders
US Department of Education
7/1/2018 - 6/30/2019
$75,000

Elana B. Gordis
Targeting Biological, Behavioral, and Social Processes to Prevent Violence in Social Networks
National Institutes of Health
9/1/2018 - 8/31/2021
$92,643

Ewan C. McNay
Mechanisms Transducing Insulin and Insulin Resistance in the Hippocampus
National Institute on Aging
5/1/2016 - 1/31/2020
$417,885

Anna-Kaiser Newheiser
COMETH: Computational Ethnography from Metaphors and Polarized Language
Defense Advanced Research Project Agency
5/21/2018 – 12/25/2019
$96,849

Andrew M. Poulos
Development and Sex Differentiation of Context Fear Neural Circuits
National Institute of Health
4/1/2019 - 12/31/2019
$382,691

Funded Projects | 45
Christine K. Wagner
Progesterone Receptor and Sex Differences in Neural Development & Behavior
National Institute of Child Health & Human Development
7/1/2018 - 6/30/2019
$187,730

Cortical and Cognitive Development Following Synthetic Progestin Exposure
National Institute of Child Health & Human Development
8/8/2018 - 6/30/2019
$314,856

Damian Zuloaga
Molecular Mechanisms Controlling Differentiation and Circuit Formation of Vomeronasal Sensory Neurons
National Institute on Deafness & Other Communication Disorders
12/4/2018 - 11/30/2019
$3,860

Sex Differences in Corticotropin Releasing Factor Receptor 1 Regulation of Stress-Associated Behaviors
National Institute of Mental Health
12/1/2018 - 11/30/2021
$462,157

SOCIOLGY
Joanna G. Dreby
Disability, Nativity and Social Networks among Two Cohorts
National Institute on Aging
6/15/2018 - 2/29/2020
$15,248

Zai Liang
Religion and Social and Economic Assimilation of Immigrants in China
University of Notre Dame
5/1/2018 - 5/15/2019
$12,550

Kathleen W. Strully
Targeting Biological, Behavioral, and Social Processes to Prevent Violence in Social Networks
National Institutes of Health
9/1/2018 - 8/31/2021
$92,643

CENTER FOR AUTISM AND RELATED DISABILITIES
Kristin V. Christodulu
Autism Spectrum Disorder
Multiple Sponsors
1/1/2013 - 4/30/2019
$49,680

CARD Workshops Misc Support
Multiple Sponsors
1/1/2008 - 5/15/2019
$31,677

CARD: MS Income Account
Multiple Sponsors
7/1/2005 - 3/15/2019
$7,295

A Statewide Initiative Designed to Increase Capacity of School Personnel to Educate Students with Autism Spectrum Disorders
US Department of Education
7/1/2018 - 6/30/2019
$425,000

CARD Albany and NYS Regional Centers for Autism Spectrum Disorders
NYS Education Department
7/1/2017 - 6/30/2019
$1,054,000

CENTER FOR THE ELIMINATION OF MINORITY HEALTH DISPARITIES
Lawrence M. Schell
The Endowment for Community Based Health Disparities Research and Training
National Institute on Minority Health and Health Disparities
4/1/2016 - 3/31/2020
$2,200,000

J. Andrew Berglund
Impeding Transcription of the Toxic RNAs of Myotonic Dystrophy
Muscular Dystrophy Association of America
9/1/2018 - 7/31/2019
$49,079

Small Molecule Screen in HeLa Models of Myotonic Dystrophy Type 1
Syros Pharmaceuticals Incorporated
12/18/2018 - 6/17/2019
$59,850

THE LEWIS MUMFORD CENTER
Catherine T. Lawson
New York State Hazard Mitigation Plan Update
Federal Emergency Management Agency
4/16/2018 - 12/31/2019
$400,000

RNA INSTITUTE
Thomas J. Begley
Translational Regulation in Exposure Biology: Xenobiotic-Induced Reprograming of tRNA Modifications and Selective Translation of Codon-Biased Response Genes in Rat and Human Models
National Institute of Environmental Health Sciences
1/1/2018 - 8/31/2019
$320,731

Mechanisms of Naphthalene Toxicity in Lung
National Institutes of Health
1/1/2018 - 4/30/2019
$41,540

Translation Control of ROS Management
National Institute of Environmental Health Sciences
1/1/2018 - 5/31/2019
$219,969

Marlene Belfort
Intron Dynamics in Bacteria
National Institute of General Medical Sciences
5/10/2016 - 3/31/2020
$312,073

Self-Splicing Inteins: Function, Evolution, Application
National Institute of General Medical Sciences
7/1/2016 - 6/30/2019
$278,808

J. Andrew Berglund
Impeding Transcription of the Toxic RNAs of Myotonic Dystrophy
Muscular Dystrophy Association of America
9/1/2018 - 7/31/2019
$49,079

Small Molecule Screen in HeLa Models of Myotonic Dystrophy Type 1
Syros Pharmaceuticals Incorporated
12/18/2018 - 6/17/2019
$59,850
Girls Inc. EUREKA! Program
DEBERNEE PRIVOTT
ASSISTANT DEAN
DIRECTOR FOR UNIVERSITY IN THE HIGH SCHOOL
PROGRAM

Igniting Passion for Science

The College of Arts and Sciences hosted the Girls Inc. EUREKA! Program for the first time last year organized by Assistant Dean and Director for the University in the High School Program, Debernee Privott. Four departments, Atmospheric and Environmental Sciences, Biological Sciences, Chemistry and Physics, will each offer a hands-on instructional program for one of the four weeks.

“Our CAS faculty will be teaching the academic courses and help the girls with their final projects,” said former CAS Dean Edelgard Wulfert. “The main purpose is to interest the girls in STEM fields and to expose them to hands-on experiences.”

“We are excited to offer this summer camp in science immersion to our students,” said Girls Inc. Executive Director Ashley Jeffrey Bouck. “Middle school is a critical age for encouraging girls to succeed in science, and mastery of science skills offers more career choices for them in the future.”

Adapted from the NewsCenter | July 2018
Annual Fall Faculty Dinner
October 2018

Holiday Social
December 2018

Research Reception
March 2019
THE VISION OF THE COLLEGE OF ARTS AND SCIENCES IS TO OFFER NATIONALLY AND INTERNATIONALLY RENOWNED PROGRAMS THAT PREPARE STUDENTS TO FUNCTION EFFECTIVELY IN A GLOBAL SOCIETY, AND TO SUPPORT RESEARCH, SCHOLARSHIP, AND ARTISTIC EXPRESSION OF ITS INTERNATIONALLY RECOGNIZED FACULTY WHOSE WORK EXPANDS KNOWLEDGE WITHIN AND ACROSS DISCIPLINES.