It all starts here.
Research, Scholarship and Creative Activity in the College of Arts and Sciences
2017-2018

UNIVERSITY AT ALBANY
State University of New York
Dean’s Message

Publications and Intellectual Contributions

- Humanities and Fine Arts
- Social and Behavioral Sciences
- Science and Mathematics
- Funded Projects

Stories from 2017-2018

- Celebrating Chinese Year of the Dog
- Denis Sargan Econometrics Prize Recipient: Ulrich Hounyo
- Graham Foundation Award Recipient: Johana Londoño
- John Nicholas Brown Prize Recipient: Dmitry Korobeynikov
- A Thousand Years of Weather: Mathias Vuille
- The Hunt to End Disease: Maksim Royzen and Jia Sheng
- UAlbany: Public Engagement Honors / Dean’s Teaching Awards
- Chancellor’s and President’s Awards for Excellence
IT ALL STARTS HERE
Research, Scholarship, and Creative Activity
in the
2017-2018 College of Arts and Sciences Compendium

EDITORS
Kelly Peao
Julia Singleton
Deanna Wicklund

COVER DESIGN
Meaghan Mulligan
The faculty of the College of Arts and Sciences is a diverse community of scientists, scholars and artists whose aim it is to produce and disseminate new knowledge, both for the purpose of understanding fundamental processes and to devise new applications that through partnerships at local and global levels seek to address today’s societal challenges. The advancement of knowledge, innovation and discovery is an ongoing process that lies at the heart of our College’s mission and is integral to the University’s strategic plan.

This compendium illustrates in numerous examples the outstanding contributions of our faculty to this mission, featuring their publications, research grants, projects, exhibits and artistic performances during the time period of May 1, 2017, through April 30, 2018. We can all be very proud of the work that has been accomplished this past year in the College of Arts and Sciences. I thank our faculty for their hard work and creativity in producing original research, and I congratulate everyone who has contributed to this publication.

Edelgard Wulfert
Dean of the College of Arts and Sciences
Professor of Psychology
Collins Fellow
In the afternoon of Feb. 10, 2018, UAlbany Confucius Institute (CI) organized a spectacular event at UAlbany Uptown Campus to welcome the Chinese New Year of the Dog. More than 500 people from both on and off campus packed the Campus Center Ballroom for the entire afternoon and enjoyed the feast of Chinese culture.

As a 30-ft long golden and red dragon marching through the ballroom, two lions dancing around the stage, and Chinese drums beating, the celebration began with much excitement, color, and sound. The Director of Confucius Institute Dr. Youqin Huang, the Dean of International Education and Vice Provost of Global Strategies Dr. Harvey Charles, as well as Congressman Paul Tonko and Assembly member John McDonald gave brief welcome remarks. They all stressed the importance of diversity in the American society, and how such cultural events can help people better understand different cultures and bridge differences.

In the following two hours, the audience enjoyed the performance demonstrating different elements of Chinese culture: drum dance, Peking Opera, magic, folk dance, singing, chorus, and Chinese instruments Pipa and Erhu. After the show, the audience not only tasted authentic Chinese food and participated in raffle drawing, but also experienced many hands-on activities that are popular customs in China during the New Year time, such as writing New Year couplets, papercutting, lantern making, lantern riddles, and red envelopes.

Both children and adults were amazed by these activities, and were hesitant to leave by 5:00 pm. Thanks to UAlbany Confucius Institute and many volunteers’ hard work, this successful event provided a wonderful opportunity for students and faculty/staff as well as community members to better understand Chinese culture and enjoy the Chinese New Year. Meanwhile, it helped Chinese Americans to maintain and renew their traditions and customs associated with Chinese New Year. This is just another great example of UAlbany in general and UAlbany Confucius Institute in particular engaging the community at large and promoting diversity and cross-cultural awareness.

Adapted from CAS Website: Spring 2018

Pictured above: Congressman Paul Tonko and Assembly member John McDonald came to the celebration, posing in front of the venue Campus Center Ballroom with the Director of Confucius Institute Dr. Youqin Huang and the Chinese Director Jianlin Shuai.
**ART AND ART HISTORY**

**Rakhee Balaram**


**Sarah R. Cohen**


**Rob S. Edelman**


**Daniel S. Goodwin**


**Fan Pen L. Chen**


**Charles M. Hartman**

Censorship in Vietnam: Brave New World

Thomas A. Bass
PROFESSOR
DEPARTMENT OF ENGLISH
JOURNALISM PROGRAM

University of Massachusetts Press 2018

What does censorship do to a culture? How do censors justify their work? What are the mechanisms by which censorship—and self-censorship—alter people's sense of time and memory, truth and reality? Thomas Bass faced these questions when *The Spy Who Loved Us*, his account of the famous Time magazine journalist and double agent Pham Xuan An, was published in a Vietnamese edition. When the book finally appeared in 2014, after five years of negotiations with Vietnamese censors, more than four hundred passages had been altered or cut from the text. After the book was published, Bass flew to Vietnam to meet his censors, at least the half dozen who would speak with him. In *Censorship in Vietnam*, he describes these meetings and examines how censorship works, both in Vietnam and elsewhere in the world. An exemplary piece of investigative reporting, *Censorship in Vietnam* opens a window into the country today and shows us the precarious nature of intellectual freedom in a world governed by suppression.

*cover image and synopsis from publisher*

Modern Korean Grammar: A Practical Guide

Andrew Sangpil Byon
ASSOCIATE PROFESSOR
DEPARTMENT OF EAST ASIAN STUDIES

Routledge - Taylor & Francis Group 2017

Routledge's *Modern Grammar* series is an innovative reference guide combining traditional and function-focused grammar in a single volume, with an accompanying workbook. The aim of the *Modern Korean Grammar* is to provide an overview of the structures and functions of the Korean language. Designed for those who have already acquired the basics of the language, the book combines a comprehensive description of the grammatical structures of Korean with a functional/usage approach to the language. All target grammatical and functional points will be illustrated with examples in Hangul with English translations for better understanding. In addition, the use of linguistic terminology is limited, to facilitate quick and easy comprehension.

*cover image and synopsis from publisher*
Fan Pen Li Chen
PROFESSOR
DEPARTMENT OF EAST ASIAN STUDIES

Journey of a Goddess: Chen Jinggu Subdues the Snake Demon

SUNY Press, 2017

This book offers the first translation into English of the Chinese novel Haiyouji, as well as excerpts of a marionette play based on the cult lore of the goddess Chen Jinggu (766–790), a historical shaman priestess who became one of Fujian’s most important goddesses and the Lushan Sect’s chief deity. The novel, a 1753 reprint of what is possibly a Ming dynasty novel, was both a popular fiction and a religious tract. It offers a lively mythological tale depicting combat between the shaman goddess and a snake demon goddess. Replete with the beliefs and practices of the cult of this warrior goddess, the novel asserts the importance of Shamanism (i.e., local religious beliefs) as one of the four religions of China, along with Confucianism, Buddhism, and Daoism. To further develop the links between literature and local religion, Fan Pen Li Chen includes translations of two acts from a Fujian marionette play, Biography of the Lady, featuring the goddess.

cover image and synopsis from publisher


James D. Lilley


Edward L. Schwarzschild


Paul Stasi


Carl J. Bon Tempo


Alexander S. Dawson


Richard S. Fogarty


Richard F. Hamm


David P. Hochfelder


Ryan M. Irwin


Nadieszda Kizenko


Dmitry Korobeynikov

Patrick J. Nold


John F. Schwaller

Kendra Smith-Howard


Laura Wittern-Keller

Cynthia A. Fox

Ilka Kressner


Denise M. Osborne
In the late sixteenth century, after the Council of Trent and the Catholic Reformation, the confessional became a key means to improve morals and religious life—and, for the Catholic clergy of New Spain, a new avenue through which they might reach the consciences of Spaniards and improve their treatment of indigenous peoples. To this end, the bishops of the province of Mexico drafted a directorio in 1585 to guide the priesthood in fulfilling its duty according to current ecclesiastical ideals and social realities. That document, published here in English for the first time, offers an unrivaled view of the religious, social, and economic history of colonial Mexico.

Rendered in clear prose and illuminated with helpful introductory chapters by Stafford Poole and John F. Schwallier, extensive annotations, and a glossary of terms, this volume offers unparalleled insights into life and thought in sixteenth-century New Spain.

cover image and synopsis from publisher
Composer Brian Fennelly.
eContact! 19.3.

eContact! 19.3.


Eszter Szalczer


Victoria von Arx


Kathryn Walat


PERFORMANCES


EVERY YEAR, the Prototype Festival presents several groundbreaking new operatic works in small but lively productions. The festival is one of the great things about being in New York City in January. One of the most exciting events of the 2018 festival was the world premiere of The Echo Drift, a one-act opera by composer Mikael Karlsson and librettists Elle Kunnos de Voss and Kathryn Walat at the Baruch Performing Arts Center. The Echo Drift is a truly moving, dynamic piece of music theater that deserves a great deal of attention.

synopsis from Opera News
In recent years there have been a number of books-both anthologies and monographs-that have focused on the Liar Paradox and, more generally, on the semantic paradoxes, either offering proposed treatments to those paradoxes or critically evaluating ones that occupy logical space. At the same time, there are a number of people who do great work in philosophy, who have various semantic, logical, metaphysical and/or epistemological commitments that suggest that they should say something about the Liar Paradox, yet who have said very little, if anything, about that paradox or about the extant projects involving it. The purpose of this volume is to afford those philosophers the opportunity to address what might be described as *Reflections on the Liar.*
Artists

Joanne Carson-LogJam 2017 (upper right)

Phyllis Galembo-Curprite Flower Gathers,
Mexico 2017 (right)

Daniel Goodwin-Necker Cube, 2018 (above)
Ulrich Hounyo
ASSISTANT PROFESSOR
DEPARTMENT OF ECONOMICS

Denis Sargan Econometrics Prize Recipient

The native of Benin, who arrived at the University in the fall of 2017, is the co-winner of one of the leading awards in the econometrics field: the Denis Sargan Prize, for the best article by young economists published in the *Econometrics Journal*. Hounyo co-authored the winning article, “Validity of Edgeworth expansions for realized volatility estimators,” with Bezirgen Veliyev, a former postdoctoral colleague and now assistant professor at the Center for Research in Econometric Analysis of Time Series (CREATES) in Denmark’s Aarhus University.

*Adapted from the NEWSCENTER | January 2018 (Photo by Brian Busher)*

Johana Londoño
ASSISTANT PROFESSOR
DEPARTMENT OF LATIN AMERICAN, CARIBBEAN AND U.S. LATINO STUDIES

Graham Foundation Award Recipient

Out of 600 proposals submitted world-wide, 74 projects were selected to receive awards totaling more than half a million dollars distributed among them. Professor Londoño’s book publication, *Abstract Barriers: The Crises of Latina/o Visibility in Cities*, focuses on how city officials, architects, and business owners, attempted to manage and reduce the threat that Latina/o barrio environments were thought to pose on the economic viability and cultural normativity of twentieth-century US cities.

*Adapted from CAS Website*

Dmitry Korobeynikov
ASSOCIATE PROFESSOR
DEPARTMENT OF HISTORY

*John Nicholas Brown Prize Recipient*

Professor Korobeynikov whose concentrations include the history of the Ottomans and Byzantines, looked several years ago at the traditional assessment of the political dynamics that created the history of Asia Minor in the 13th Century, and found that there were key players not being given their due. The result was his monograph, *Byzantium and the Turks in the Thirteenth Century*, published by Oxford University Press in 2014, a year after he joined the UAlbany faculty. This past January 2018, the work earned Korobeynikov the 2018 John Nicholas Brown Prize from the Medieval Academy of America.

*Adapted from the NEWSCENTER | February 2018*
AFRICANA STUDIES
Marcel I. Kitissou


Leonard A. Slade Jr.


ANTHROPOLOGY
Elise L. Andaya


Lee S. Bickmore


Louise M. Burkhart


Jennifer L. Burrell


Lauren E. Clemens


James P. Collins


Adam D. Gordon


Julia A. Jennings

This is a new presentation of a Nahuatl epiphany play from 1724, first published by Burkhart and Barry D. Sell in 2009. This edition republishes the Nahuatl paleography with a revised English translation and a new introduction by Burkhart, and adds a transcription in the enriched traditional orthography promoted by the Zacatecas Institute for Education and Ethnographic Research (IDIEZ) at the University of Zacatecas, Mexico, and the Revitalizing Endangered Languages Project at the University of Warsaw. This standardized orthography can be read by contemporary speakers of Nahuatl, who have had little access to their literary heritage, and is also more easily accessible to students of the language. “The Star Sign” is the first work of colonial Nahuatl literature to be published in this format. A Nahuatl-only version, titled simply *Citolalmachiyotl*, was also published, for which sections of Burkhart’s introduction were translated into contemporary Huaxtecan Nahuatl by UAlbany doctoral student and native Nahuatl-speaker Abelardo de la Cruz. Nahuatl, the language of the Aztecs, is one of Mexico’s major Indigenous languages, spoken today by about two million people.


**Verónica Pérez Rodríguez**


**John S. Justeson**


**Walter E. Little**


**Cara J. Ocobock**


**Lawrence M. Schell**


**Seán A. Holdsworth**

Christopher B. Wolff


COMMUNICATION

Alan T. Belasen


Teresa M. Harrison


Archana Krishnan


Nancy L. Roberts


Piotr M. Szpunar


Masahiro Yamamoto


Fan Yang


Alan R. Zemel


ECONOMICS

Pinka Chatterji


Chun-Yu Ho


Kajal Lahiri


Yue Li


Ray Bromley


Alexander B. Buyantuev


Youqin Huang


Shiguo Jiang


Andrei Lapenas


We live in an age of anxiety, and studies show that it’s only getting worse. Anxiety forces itself into our awareness and can deplete our energy, resources, and resolve. It screams “pay attention to me—or else.” We may confront it the moment we wake up in the morning, and it can even keep us from getting to sleep at night. In short, it can run our lives. But it doesn’t have to be this way.

Building on the success of *The Mindfulness and Acceptance Workbook for Anxiety*, this quick reference guide offers fifty-two simple tools and strategies—one for each week of the year—based in proven-effective acceptance and commitment therapy (ACT) to help you break free from worry, fear, and panic. In addition to “in-the-moment” tools for staying calm, you’ll learn about the underlying causes of your anxiety, why avoidance just doesn’t work, how to move past your negative inner voice, and how focusing on your values can help you move past anxiety and live a rich, meaningful life.

If—like many people—you’re fed up with anxiety getting in the way of living your life, the powerful little exercises in this guide will show you how to break the cycle of anxiety for good.

Cover image and synopsis from publisher.


**PSYCHOLOGY**

Jeanette Altarriba


**Drew A. Anderson**


**James F. Boswell**


**Julia M. Hormes**

ASSISTANT PROFESSOR

DEPARTMENT OF PSYCHOLOGY

Targeting acceptance in the management of food craving: The mediating roles of eating styles and thought suppression

*Elsevier Press, 2018*

Food craving is now widely considered to be a cognitively motivated state. Acceptance-based treatments are effective in reducing the adverse impact of food cravings on consumption, via a hypothesized decrease in experiential avoidance. The mechanisms that drive the success of acceptance-based management of craving remain to be empirically tested. This study examined the role of eating styles and thought suppression as mediators in the relationship between experiential avoidance and craving.

*Cover image and synopsis from publisher*
The Survey of Income and Program Participation (SIPP) is a national, longitudinal household survey conducted by the Census Bureau. SIPP serves as a tool to evaluate the effectiveness of government-sponsored social programs and to analyze the impacts of actual or proposed modifications to those programs. SIPP was designed to fill a need for data that would give policy makers and researchers a much better grasp of how effectively government programs were reaching their target populations, how participation in different programs overlapped, and to what extent and under what circumstances people transitioned into and out of these programs. SIPP was also designed to answer questions about the short-term dynamics of employment, living arrangements, and economic well-being.

The Census Bureau has reengineered SIPP—fielding the initial redesigned survey in 2014. This report evaluates the new design compared with the old design. It compares key estimates across the two designs, evaluates the content of the redesigned SIPP and the impact of the new design on respondent burden, and considers content changes for future improvement of SIPP.
Laurie B. Feldman


John P. Forsyth


Ronald S. Friedman


Cheryl A. Frye

Brendan J. Gaesser


Elana B. Gordis

Julia M. Hormes


Ewan C. McNay


Mark Muraven


James H. Neely


Wilfred Trammell Neill III


Anna-Kaisa Newheiser


Andrew M. Poulos


Hazel M. Prelow


Jason G. Randall


Sylvia G. Roch


Heather Sheridan


Bruce B. Svare


Joanna L. Workman


Edelgard Wulfert


Damian Zuloaga


Elizabeth P. Berman


Peter D. Brandon


Joanna G. Dreby


Brandon C. Gorman


Zoya Gubernskaya


Hayward D. Horton


Skin color and skin tone have historically played a significant role in determining the life chances of African Americans and other people of color. It has also been important to our understanding of race and the processes of racialization. But what does the relationship between skin tone and stratification outcomes mean? Is skin tone correlated with stratification outcomes because people with darker complexions experience more discrimination than those of the same race with lighter complexions? Is skin tone differentiation a process that operates external to communities of color and is then imposed on people of color? Or, is skin tone discrimination an internally driven process that is actively aided and abetted by members of communities of color themselves? Color Struck provides answers to these questions. In addition, it addresses issues such as the relationship between skin tone and wealth inequality, anti-black sentiment and whiteness, Twitter culture, marriage outcomes and attitudes, gender, racial identity, civic engagement and politics at predominately White Institutions. Color Struck can be used as required reading for courses on race, ethnicity, religious studies, history, political science, education, mass communications, African and African American Studies, social work, and sociology.

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**Ronald N. Jacobs**


**Richard W. Lachmann**


**Zai Liang**


**Karyn A. Loscocco**


**Steven F. Messner**

Rajani Bhatia
ASSISTANT PROFESSOR
DEPARTMENT OF WOMEN’S, GENDER AND SEXUALITY STUDIES

Gender Before Birth: Sex Selection in a Transnational Context

University of Washington Press, 2018

In the mid-1990s, the international community pronounced prenatal sex selection via abortion an “act of violence against women” and “unethical.” At the same time, new developments in reproductive technology in the United States led to a method of sex selection before conception; its US inventor marketed the practice as “family balancing” and defended it with the rhetoric of freedom of choice. In Gender before Birth, Rajani Bhatia takes on the double standard of how similar practices in the West and non-West are divergently named and framed.

Bhatia’s extensive fieldwork includes interviews with clinicians, scientists, biomedical service providers, and feminist activists, and her resulting analysis extends to both feminist theory on reproduction and feminist science and technology studies. She argues that we are at the beginning of a changing transnational terrain that presents new challenges to theorized inequality in reproduction, demonstrating how the technosciences often get embroiled in colonial gender and racial politics.

cover image and synopsis from publisher

Janell C. Hobson


Wen Liu

Barbara Sutton


Mathias Vuille
PROFESSOR
DEPARTMENT OF ATMOSPHERIC AND ENVIRONMENTAL SCIENCES

A Thousand Years of Weather

Adapted From the NewsCenter | September 2017

Professor Mathias Vuille believes the key to our future is a better understanding of how and why Earth’s climate has varied naturally over the past thousand years – long before humans made a significant impact. He’s leading a team of climate scientists on a $5 million project to investigate. The PIRE (Partnerships for International Research and Education) grant from the National Science Foundation (NSF) to study climate variations over the last millennium in North and South America.

The project is a multi-institutional, international collaboration involving six institutions and 18 investigators from the United States, Brazil and Argentina. “We believe that a better understanding of past climate variability is the key to the future. That is, a better understanding of past climate variations over North and South America will allow us to better constrain future climate projections by placing them within a broader historical context.”

The team is using the PIRE funding to merge data from the two largest tree-ring and cave sediment archives in South America. This will allow them to produce reconstructions of historical extreme weather events (monsoons, El Niño, etc.) over the two continents, analyze societal responses and better predict future events based on past model-archive comparisons.

Maksim Royzen & Jia Sheng
ASSISTANT PROFESSORS
DEPARTMENT OF CHEMISTRY

The Hunt to End Disease

Adapted From the NewsCenter | March 2018

Professors Royzen and Sheng want to better understand how our body’s ribonucleic acid (RNA) can help fight some of the most challenging human diseases such as cancer, Alzheimer’s disease and HIV. New funding from the National Science Foundation (NSF) will ensure they continue laying the groundwork. Royzen and Sheng, affiliates of The RNA Institute, have received NSF grants in total of just under $900,000. The funding will support their ongoing exploratory research projects for the next three years. “The NSF awards to Drs. Royzen and Sheng are well deserved, as they on the cutting-edge of RNA research,” said Thomas Begley, interim director of The RNA Institute. “These exciting projects will lead to important advancements and will provide exciting training opportunities for students. We are proud to have both scientists as members of our RNA Institute, and congratulate them on their accomplishments.”
Lance F. Bosart


Aiguo Dai


John W. Delano

Oliver Elison Timm


Robert G. Fovell


Jiping Liu


Justin R. Minder


Brian E. J. Rose


Paul E. Roundy

Brian H. Tang


Christopher D. Thornicroft


Ryan D. Torn


Mathias Vuille


Liming Zhou


**BIOLICAL SCIENCES**

Paul F. Agris


Thomas J. Begley


Marlene Belfort

George R. Robinson

Prashanth K. Rangan

Cara T. Pager

Haijun Chen

Haijun Chen


Gabriele Fuchs


Melinda Larsen


Gregory A. Lnenicka
Annalisa Scimemi


Hua Shi


Caro-Beth Stewart


Wendy C. Turner


Alex M. Valm


Ing-Nang Wang


Sho-Ya Wang


CHEMISTRY

Alan Chen


Evgeny V. Dikarev


Daniele Fabris


**Gerd-Uwe Flechsig**


**Igor K. Lednev**


**Rabi A. Musah**


**Li Niu**


Niu, L., et al. (2017). One aptamer, two functions: the full-length aptamer inhibits AMPA receptors, while the short one inhibits both AMPA and kainate receptors. *RNA & Disease, 4*(3), e1560.


**Jayanti Pande**


**Marina A. Petrikhina**


**Jia Sheng**


**Jun Wang**


**Ting Wang**


**Zhang Wang**


**Maksim Royzen**


**Alexander Shekhtman**


Mehmet V. Yigit


**MATHEMATICS AND STATISTICS**

Ivana Alexandrova

Justin M. Curry

Yunlong Feng

Boris Goldfarb

Martin V. Hildebrand

Joshua B. Isralowitz


Cristian-Paul Lenart


Antun Milas


Marco Varisco


Rongwei Yang


Matthew C. Zaremsky


Kehe Zhu


PHYSICS

Ariel Caticha


Keith Earle


Vivek Jain

Jain, V. (2017). ATLAS Collaboration Papers. Vivek Jain is part of the ATLAS experiment that is operating at the Large Hadron Collider at CERN, Geneva, Switzerland (Organization Européenne pour la Recherche Nucléaire/ European Organization for Nuclear Research). He is listed as a co-author on 134 papers during this period.

Alexander Khmaladze


Kevin H. Knuth


William A. Lanford


Oleg Lunin


Carolyn A. MacDonald


Jonathan C. Petruccelli


Daniel G. Robbins


Anna V. Sharikova


Matthew Szydagis


Dean’s Award for Outstanding Achievement in Teaching

Associate Professor Chatterji and Assistant Professor Vassallo-Oby were chosen based on their sustained excellence in classroom teaching as revealed by grade-distributions, course assignments, syllabi, student comment, innovative approaches and teaching.

**Pinka Chatterji – Associate Professor, Department of Economics.**

Professor Chatterji joined the Department of Economics in January of 2008 and quickly became a sought-after instructor. She teaches at all levels: undergraduate upper and lower, and graduate. At every level, her teaching evaluations are impeccable. She has a strong understanding of the material she wants to deliver and knows how to deliver it. Professor Chatterji is a very hard working and dedicated teacher. Knowledgeable and innovative, she is always generous and encouraging to her students. She has shown a sustained commitment to her students, department, the College and to this University.

**Christine Vassallo-Oby – Assistant Professor, Department of Latin American, Caribbean and U.S. Latino Studies.**

Professor Vassallo-Oby is a highly regarded, indeed inspirational, instructor. She teaches for LACS as an adjunct professor and next semester will begin her appointment as a Clinical Assistant Professor. She has demonstrated her dedication and willingness to go above and beyond expectations. She has taught an astounding variety of courses across the LACS curriculum. Her teaching philosophy tells us that her “focus as an instructor is creating a learning environment centered on cross-cultural understanding and helping students to...become culturally sensitive and globally mindful.”

**Duncan J. Cumming – Associate Professor, Department of Music and Theatre.**

A faculty member at UAlbany since 2006, Professor Cumming received degrees from Bates College and New England Conservatory and studied at the European Mozart Academy in Prague. He celebrated the 10th year of his Youth Movements Festival in 2017 and it is his exemplary contributions to this program that earned him this prestigious award.

**Justin R. Minder – Assistant Professor, Department of Atmospheric and Environmental Sciences.**

Professor Minder created the UAlbany Weather & Climate Camp with a five-year grant from the National Science Foundation's Faculty Early Career Development Program back in 2015. It is a weeklong summer camp for teens in grades 9-11 from the five capital region cities: Schenectady, Albany, Troy, Watervliet and Rensselaer. This outstanding initiative has earned him this prestigious award.

UAlbany Honors Models of Public Engagement

*Adapted From the NewsCenter* | 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.

The 2018 recipients affiliated with the College of Arts and Sciences include:
2018 Chancellor’s and President’s Awards for Excellence

Recipients in the College of Arts and Sciences

**Irene Andrea**
HISTORY
President’s Award for Excellence in Professional Service

**Cynthia A. Fox**
LANGUAGE, LITERATURES AND CULTURE
President’s Award for Excellence in Academic Service

**Brenda Lewis**
AFRICANA STUDIES
President’s Award for Excellence in Support Services

**Véronique Martin**
LANGUAGE, LITERATURES AND CULTURE
President’s Award for Excellence in Teaching

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

**Louise M. Burkhart**
ANTHROPOLOGY
Chancellor’s Award for Excellence in Scholarship Creative Activity

**Cynthia Endres**
OFFICE OF THE DEAN
Chancellor’s Award for Excellence in Classified Service

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

**Zai Liang**
SOCIOLOGY
Chancellor’s Award for Excellence in Scholarship and Creative Activity
ANTHROPOLOGY

Marilyn A. Masson
Maya Life in Early Colonial Yucatan
NATIONAL GEOGRAPHIC SOCIETY
4/15/2018 - 12/15/2018
$27,225

Cara J. Ocobock
Energetics of reindeer herders of northern Finland
NATIONAL SCIENCE FOUNDATION
8/1/2017 - 7/31/2018
$35,000

Verónica Pérez Rodríguez
Ethnoarchaeological study of Santo Domingo Tonaltepec, Oaxaca: Documenting pre-Hispanic and traditional pottery making in the Mixteca Alta region of Mexico
NATIONAL GEOGRAPHIC SOCIETY
1/19/2018 - 12/21/2018
$29,999

Sean M. Rafferty
Northeast Anthropology Journal
MULTIPLE SPONSORS
9/15/2004 - 9/15/2018
$4,883

Robert M. Rosenswig
Doctoral Dissertation Improvement Award: The Emergence of Social Complexity
NATIONAL SCIENCE FOUNDATION
4/1/2018 - 3/31/2019
$25,175

NATIONAL GEOGRAPHIC SOCIETY
10/1/2017 - 12/30/2018
$14,213

ATMOSPHERIC AND ENVIRONMENTAL SCIENCES

Lance F. Bosart
Climatological, Composite, and Case Study Analyses Linking Rossby Wave Breaking to Potential Vorticity Streamer and Cutoff Cyclone Formation in the Subtropical North Atlantic Basin
NATIONAL SCIENCE FOUNDATION
6/15/2017 - 5/31/2020
$134,278

Improving Prediction of Large-Scale Regime Transitions
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
9/1/2017 - 8/31/2018
$83,908

Kristen L. Corbosiero
Investigating Tropical Cyclone Intensity Change Due to Trough-Induced Vertical Wind Shear
NASA GODDARD SPACE FLIGHT CENTER
2/24/2017 - 2/23/2020
$100,000
Kinematic and Thermodynamic Analysis of Tropical Cyclone Intensity Changes Signaled by Outer Rainband Lightning Activity during NASA’s GRIP and HS3 Missions

NASA GODDARD SPACE FLIGHT CENTER
9/1/2015 - 8/31/2017
$45,000

Aiguo Dai

Dirunal Metrics for Evaluating GFDL and Other Climate Models

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
8/1/2015 - 7/31/2018
$143,198

Oliver Elison Timm

The Pacific RISA: Supporting Integrated Decision Making under Climate Variability and Change in Hawaii’s and the U.S. Affiliated Pacific Islands

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION | UNIVERSITY OF HAWAII AT MANOA
9/1/2015 - 8/31/2018
$26,513

Craig R. Ferguson

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
$23,242

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
$86,969

Robert G. Fovell

Analysis of Weather Research Forecast Model - Santa Ana Wind Research

US NAVY NAVAL AIR WARFARE CENTER
10/1/2017 - 9/30/2018
$56,973

Jeffrey M. Freedman

Future Trends in Surface Layer Temperature, Wind Speed, Irradiance, and Cloud Cover

AWS TRUEPOWER
3/15/2017 - 1/31/2018
$10,321

Everette Joseph

Center for Excellence in Atmospheric & Environmental Prediction & Innovation

NYS ECONOMIC DEVELOPMENT
4/1/2016 - 3/31/2018
$250,000

NOAA National Mesonet Program

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
1/17/2017 - 1/16/2018
$150,000

PIRE: Building Extreme Weather Resilience Through Improved Weather and Climate Prediction and Emergency Response Strategies

NATIONAL SCIENCE FOUNDATION
9/1/2017 - 8/31/2018
$288,446

Andrea A. Lang

A Categorical Assessment of Forecast Skill, Uncertainty and Biases in Extended-Range Ensemble Forecasts of Stratospheric Regime Changes

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
7/1/2016 - 6/30/2019
$247,779

Exploring the Relationship Between Tropospheric Synoptic-Scale Events, Vertical Wave Activity Flux, and Sudden Stratospheric Warmings in NASA’s MERRA-2 Dataset

NASA GODDARD SPACE FLIGHT CENTER
9/1/2016 - 8/31/2018
$45,000

Understanding the role of the stratosphere in sub-seasonal-to-seasonal variability and predictability of Arctic weather system

US NAVY OFFICE OF NAVAL RESEARCH
3/1/2018 - 2/28/2021
$357,566

Brian H. Tang

Investigating Ventilation Processes and Effects on Tropical Cyclones

NATIONAL SCIENCE FOUNDATION
3/15/2018 - 2/28/2021
$139,740

Christopher D. Thornicroft

Collaborative Research: Mechanisms and Predictability of Interactions Between Convectively Coupled Kelvin Waves and African Easterly Waves Leading to Tropical Cyclogenesis

3/15/2018 - 2/28/2021
NATIONAL SCIENCE FOUNDATION
$358,184

NY-Quality for Weather Detection

EMPIRE STATE DEVELOPMENT CORPORATION
12/11/2014 - 12/31/2018
$450,000

Ryan D. Torn

Comparison of Polar and Midlatitude Cyclone Predictability using Ensemble-based Sensitivity Analysis

US NAVY OFFICE OF NAVAL RESEARCH
4/1/2018 - 3/31/2023
$10,000

The Role of Uncertainty in Divergent Outflow on Midlatitude Predictability within DOWNSTREAM

NATIONAL SCIENCE FOUNDATION
9/1/2015 - 8/31/2018
$105,871

Mathias Vuille

Collaborative Research: Reconstructing South American monsoon sensitivity to internal and external forcing: reconciling models and tree-ring proxies in the Central Andes

NATIONAL SCIENCE FOUNDATION
3/1/2018 - 2/28/2021
$81,018
PIRE: Climate Research Education in the Americas using Tree-ring and Speleothem Examples (PIRE-CREATE)  
NATIONAL SCIENCE FOUNDATION  
9/1/2017 - 8/31/2018  
$442,280

BIOLICAL SCIENCES  
Leonard V. Behr  
Science Research in the High School Program-Teacher Workshops  
MULTIPLE SPONSORS  
7/16/2009 - 08/15/2018  
$22,499

New York Upstate Academic Year 2017-18 Junior Science and Humanities Symposium  
ACADEMY OF APPLIED SCIENCES  
10/1/2017 - 06/30/2018  
$15,900

Marlene Belfort  
Intron Dynamics in Bacteria  
NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES  
5/10/2016 - 3/31/2019  
$284,329

Self-Splicing Inteins: Function, Evolution, Application  
NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES  
7/1/2016 - 06/30/2018  
$30,495

Patrick C. Blatt  
Regulated RNA Degradation is Required for Drosophila Oogenesis  
NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES  
9/6/2017 - 9/5/2018  
$14,350

Daniele Fabris  
Role of Post-transcription RNA Modifications on Zika Virus Gene Expression  
NATIONAL INSTITUTE OF ALLERGY & INFECTIOUS DISEASE  
9/6/2017 - 8/31/2018  
$113,407

Jason I. Herschkowitz  
LC 160561 Targeting EGFR  
Therapeutic Resistance Using EMT Seeking Aptamers in Lung Cancer  
US ARMY MEDICAL RESEARCH ACQUISITION ACTIVITY  
7/1/2017 - 6/30/2018  
$23,158

Melinda Larsen  
Endothelial Cell Signaling in Regeneration  
NATIONAL INSTITUTE OF DENTAL & CRANIOFACIAL RESEARCH  
2/1/2018 - 1/31/2019  
$7,167

Engineering Functioning Salivary Glands Using Micropatterned Scaffolds  
NATIONAL INSTITUTE OF DENTAL & CRANIOFACIAL RESEARCH  
8/1/2017 - 7/31/2018  
$587,418

Integrin Intracellular Function  
NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES | ALBANY MEDICAL COLLEGE  
4/1/2015 - 1/31/2018  
$27,137

Christopher W. Lennon  
Post-Translational Regulation of Recombinase Function in Intein Splicing in Response to Single Stranded DNA-Post Doc Fellowship  
NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES  
7/1/2016 - 06/30/2018  
$30,495

Cara T. Pager  
Characterizing Dengue Virus Subversion of Cellular RNA Granules-Pre Doc Fellowship= Marissa Louis  
NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES  
5/1/2018 - 4/30/2019  
$31,999

Prashanth K. Rangan  
Transient Transcriptional Silencing in Stem Cell Differentiation in Drosophila  
NATIONAL INSTITUTES OF HEALTH  
8/1/2014 - 7/31/2018  
$143,722

Transposon modulates Wnt signaling to control germ line stem cell differentiation in Drosophila  
AMERICAN FEDERATION FOR AGING RESEARCH  
5/1/2017 - 10/31/2017  
$2,500

Annalisa Scimemi  
Astrocyclic remodeling during the sleep/wake cycle  
NATIONAL INST OF NEUROLOGICAL DISORDERS & STROKE  
7/1/2017 - 6/30/2018  
$72,983

Center for Neuroscience Research: Glutamate Transporter Control of Excitation and Inhibition in the Striatum  
NATIONAL SCIENCE FOUNDATION  
5/15/2017 - 4/30/2021  
$44,500

Glutamate Transporter Control of Excitation and Inhibition in the Striatum  
NATIONAL SCIENCE FOUNDATION  
5/15/2017 - 4/30/2021  
$400,500

Ben G. Szaro  
Functional Analysis of Genes Implicated in Successful CNS Axon Regeneration  
NYS DEPARTMENT OF HEALTH  
1/1/2018 - 12/31/2018  
$313,052

Intracellular Modulations of Cytokine Signaling Leading to Successful CNS Axon Regeneration in a Vertebrate Model  
NYS DEPARTMENT OF HEALTH  
3/1/2016 - 2/28/2019  
$85,585

Daniel L. Wulff  
Support for Junior Science & Humanities Symposium (JSHS)-University in High School Program  
MULTIPLE SPONSORS  
2/16/2012-2/15/2019  
$17,707

CHEMISTRY  
Alan Chen  
CAREER: Predicting High-Resolution RNA Tertiary Structures Using an Experimentally Calibrated Force-Field for RNA Folding  
NATIONAL SCIENCE FOUNDATION  
6/1/2017 - 5/31/2018  
$2,500

REU Supplement to NSF CAREER Grant MCB-1651877 for undergraduate summer research  
NATIONAL SCIENCE FOUNDATION  
6/1/2017 - 5/31/2018  
$2,500
Evgeny V. Dikarev
Safety First:  Protective Electrode Coating for High-Capacity Rechargeable Batteries
US DEPARTMENT OF STATE
9/25/2017 - 9/24/2018
$49,982

Daniele Fabris
010 TAF Class 2017: RNA-Based Technologies for the Detection of Pathogens in Dairy Production
RESEARCH FOUNDATION OF STATE UNIVERSITY OF NY
12/19/2017 - 12/31/2018
$17,469

Characterization of ncRNAs’ post-transcriptional modifications by antisense affinity capture and MS analysis
NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES
8/1/2017 - 7/31/2018
$381,216

Novel Strategies for Anti-HIV-1 Therapy: Small Molecules Targeting RNA Partners of the Nucleocapsid Protein
UNIVERSITA DEGLI STUDI DI PADOVA
7/1/2017 - 6/30/2018
$20,791

Role of Post-transcription RNA Modifications on Zika Virus Gene Expression
NATIONAL INSTITUTE OF ALLERGY & INFECTIOUS DISEASE
9/6/2017 - 8/31/2018
$113,407

RNA post-transcriptional modifications as possible communication hubs between substances of abuse and HIV-1 replication
NATIONAL INSTITUTE ON DRUG ABUSE
4/1/2018 - 1/31/2019
$375,573

Crystal Huynh
New Concept for Fingerprint Analysis: Bioaffinity Based Systems Utilizing Amino Acids-Pre Doc Fellowship
US DEPARTMENT OF JUSTICE
8/1/2016 - 7/31/2018
$49,994

Ewelina M. Mistek
Identification and Anlayis of Body Fluid Traces Using ATR FT-IR Spectroscopy
US DEPARTMENT OF JUSTICE
8/1/2017 - 7/31/2018
$49,993

Rabi A. Musah
Chemometric Processing of DART-HRMS-derived Dark Matter for the Identification of New Psychoactive Substances
US DEPARTMENT OF JUSTICE
1/1/2018 - 12/31/2020
$558,282

MRI: Acquisition of a 500 MHz NMR Spectrometer for Research and Training
NATIONAL SCIENCE FOUNDATION
8/1/2017 - 7/31/2020
$500,000

Plant-derived Biogenic Sulfur Emissions to the Environment
NATIONAL SCIENCE FOUNDATION
8/1/2017 - 7/31/2020
$484,000

Jayanti Pande
Chaperone complexes of the alpha crystallins: Structure, thermodynamics of ligand binding, and effect on membrane properties
NATIONAL EYE INSTITUTE
2/1/2018 - 1/31/2019
$231,750

Gamma Crystallin Modifications and Mechanisms of Lens Opacity
NATIONAL EYE INSTITUTE
12/1/2015 - 12/31/2018
$347,569

Maksim Royzen
Development of HPLC-free system for solid phase RNA synthesis
NATIONAL SCIENCE FOUNDATION
8/1/2017 - 7/31/2020
$195,000

Using implantable biomaterial and bio-orthogonal chemistry to guide delivery of antibiotics
NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES
9/1/2016 - 2/28/2018
$65,848

Jia Sheng
Environmental Epitranscriptomic Studies and Tools Focused on the Wobble Uridine
NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES
9/30/2017 - 8/31/2020
$221,599

Synthetic Biology Approaches to Elucidate and Exploit Nature’s Selection of Lipid Modified RNA
NATIONAL SCIENCE FOUNDATION
9/1/2017 - 8/31/2020
$250,000

Mehmet V. Yigit
DNA Nanotechnology for Ultrasensitive Programmable Detection of Heavy Metal Ions
USDA NATIONAL INSTITUTE OF FOOD AND AGRICULTURE
4/1/2018 - 3/31/2022
$460,000

Qiang Zhang
I2-thiolactone facilitated peptide ligations
NATIONAL SCIENCE FOUNDATION
9/1/2017 - 8/31/2020
$117,197

COMMUNICATION
Annis G. Golden
Women’s Health Project
UNIVERSITY AT ALBANY FOUNDATION
1/28/2016 - 2/28/2018
$44,000

Teresa M. Harrison
Accurate and Scalable Simulation of Influence in Online Social Networks (PI Tomek Strzalkowski)
DEFENSE ADVANCED RESEARCH PROJECT AGENCY
10/10/2017 - 10/9/2018
$25,510
ECONOMICS
Pinka Chatterji
Implementation of New York’s Family Leave Act
ROBERT WOOD JOHNSON FOUNDATION
10/1/2017 - 9/30/2018
$7,922

Gerald R. Marschke
Identifying High-Impact And Transformative Research And Gaps In Behavior Research
NATIONAL INSTITUTES OF HEALTH | NATIONAL BUREAU OF ECONOMIC RESEARCH INCORPORATED
9/15/2017 - 6/30/2018
$37,686

MATHEMATICS AND STATISTICS
Marius Beceanu
New methods for the study of supercritical wave equations
NATIONAL SCIENCE FOUNDATION
9/1/2017 - 8/31/2020
$107,522

Joshua B. Isralowitz
NEAM 2017 (Second Northeastern Analysis Meeting)
NATIONAL SCIENCE FOUNDATION
10/15/2017 - 9/30/2018
$21,906

Antun Milas
US Participation in Conference “Representation Theory XV”
NATIONAL SCIENCE FOUNDATION
6/1/2017 - 5/31/2018
$20,000

PHYSICS
Vivek Jain
Experimental Particle Physics at SUNY Albany
NATIONAL SCIENCE FOUNDATION
7/1/2015 - 6/30/2018
$140,000

Kevin H. Knuth
Present Influence Theory and Observer-Based Quantum Mechanics as Inference
SILICON VALLEY COMMUNITY FOUNDATION
2/13/2018 - 8/17/2018
$5,470

Cecilia Levy
DMSS: a Dark Matter Summer School
NATIONAL SCIENCE FOUNDATION
2/1/2018 - 1/31/2019
$11,000

Oleg Lunin
AdS/CFT Duality and Classical Geometries
US DEPARTMENT OF ENERGY
6/1/2017 - 5/31/2018
$50,000

PSYCHOLOGY
Julia M. Hormes
A Default Option for Health: Improving Nutrition within the Financial and Geographic Constraints of Food Insecurity
US DEPARTMENT OF AGRICULTURE
8/1/2017 - 7/31/2018
$48,087

Kristin V. Christodulu
Center for Autism & Related Disabilities (CARD) Autism Spectrum Disorders
MULTIPLE SPONSORS
1/1/2013 - 4/30/2018
$49,454

Center for Autism & Related Disabilities (CARD) Workshops Misc Support
MULTIPLE SPONSORS
1/1/2008 - 5/15/2018
$33,556

Center for Autism & Related Disabilities (CARD): MS Income Account
MULTIPLE SPONSORS
7/1/2005 - 3/15/2019
$5,731

Center for Autism & Related Disabilities (CARD) Conferences
MULTIPLE SPONSORS
8/1/2012 - 9/15/2018
$70,699

Ewan C. McNay
In Vivo Removal of Advanced Glycation End-Products (AGEs) Rescues Type-II Diabetes Skeletal Fragility
NATIONAL INST OF DIABETES DIGESTIVE KIDNEY DISEASE
11/1/2017 - 10/31/2018
$69,360

Mechanisms Transducing Insulin and Insulin Resistance in the Hippocampus
NATIONAL INSTITUTE ON AGING
5/1/2016 - 1/31/2019
$380,007

Kevin J. Williams
Behavioral models for competency-based, psychologically valid assessment tools for human resources management
OUTMATCH INCORPORATED
8/28/2017 - 8/27/2018
$36,569
Insider Threat Modeling and Behavior Analysis
INTELLIGENCE ADVANCED RESEARCH PROJECTS ACTIVITY
3/23/2016 - 3/22/2018
$113,187

RNA INSTITUTE
Marlene Belfort
Intron Dynamics in Bacteria
NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES
5/10/2016 - 3/31/2019
$284,329

Self-Splicing Inteins: Function, Evolution, Application
NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES
7/1/2016 - 6/30/2018
$278,808

Patrick C. Blatt
Regulated RNA Degradation is Required for Drosophila Oogenesis
NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES
9/6/2017 - 9/5/2018
$14,350

Alan Chen
CAREER: Predicting High-Resolution RNA Tertiary Structures Using an Experimentally Calibrated Force-Field for RNA Folding
NATIONAL SCIENCE FOUNDATION
6/1/2017 - 5/31/2018
$2,500

REU Supplement to NSF CAREER Grant MCB-1651877 for undergraduate summer research
NATIONAL SCIENCE FOUNDATION
6/1/2017 - 5/31/2018
$2,500

Bijan K. Dey
Dysregulation of miR-133a-5p/HMG2 axis causes skeletal and cardiac muscle degeneration by impairing autophagy in DMD
AMERICAN HEART ASSOCIATION FOUNDERS AFFILIATE
7/1/2017 - 6/30/2018
$77,000

Kenneth Halvorsen
Development of novel, user-centric technologies for detection and single-molecule analysis of RNA
NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES
8/1/2017 - 7/31/2018
$386,250

Programmable DNA Nanoswitches for Low-Cost, Multiplexed Quantification of Protein and RNA Cancer Biomarkers
NATIONAL CANCER INSTITUTE
3/1/2018 - 2/28/2019
$103,830

Melinda Larsen
Endothelial Cell Signaling in Regeneration
NATIONAL INSTITUTE OF DENTAL & CRANIOFACIAL RESEARCH
2/1/2018 - 1/31/2019
$23,173

Engineering Functioning Salivary Glands Using Micropatterned Scaffolds
NATIONAL INSTITUTE OF DENTAL & CRANIOFACIAL RESEARCH
8/1/2017 - 7/31/2018
$65,269

Integrin Intracellular Function
NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES
4/1/2015 - 1/31/2018
$3,015

Christopher W. Lennon
Post-Transitional Regulation of Recombinase Function in Intein Splicing in Response to Single Stranded DNA-Post Doc Fellowship
NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES
7/1/2016 - 6/30/2018
$30,495

Cara T. Pager
Characterizing Dengue Virus Subversion of Cellular RNA Granules-Pre Doc Fellowship=Marissa Louis
NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES
5/1/2018 - 4/30/2019
$3,555

Prashanth K. Rangan
Transient Transcriptional Silencing in Stem Cell Differentiation in Drosophila
NATIONAL INSTITUTES OF HEALTH
8/1/2014 - 7/31/2018
$143,722

Transposon modulates Wnt signaling to control germ line stem cell differentiation in Drosophila
AMERICAN FEDERATION FOR AGING RESEARCH
5/1/2017 - 10/31/2017
$2,500

Maksim Royzen
Development of HPLC-free system for solid phase RNA synthesis
NATIONAL SCIENCE FOUNDATION
8/1/2017 - 7/31/2020
$195,000

Using implantable biomaterial and bio-orthogonal chemistry to guide delivery of antibiotics
NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES
9/1/2016 - 2/28/2018
$65,848

Jia Sheng
Environmental Epitranscriptomic Studies and Tools Focused on the Wobble Uridine
NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES
9/30/2017 - 8/31/2020
$221,599

Synthetic Biology Approaches to Elucidate and Exploit Nature's Selection of Lipid Modified RNA
NATIONAL SCIENCE FOUNDATION
9/1/2017 - 8/31/2020
$250,000
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