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

'2015-2016'
IT ALL STARTS HERE
RESEARCH, SCHOLARSHIP, AND CREATIVE ACTIVITY
IN THE COLLEGE OF ARTS AND SCIENCES
2015-2016

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THE COLLEGE OF ARTS AND SCIENCES PRODUCES PATH-BREAKING WORK THAT EXPANDS OUR KNOWLEDGE OF THE WORLD, OF EACH OTHER, AND OF OURSELVES.

THE FACULTY EXPLORE CURRENT AND EMERGING SOCIAL PROBLEMS ACROSS THE GLOBE AND HERE AT HOME;

UNLEASH THEIR CREATIVE TALENT THROUGH PERFORMANCE, ART, POETRY AND PROSE THAT Responds TO AND DEFINES OUR SHARED EXPERIENCE;

INVESTIGATE NATURAL PHENOMENA FROM THE SUBATOMIC TO THE COSMIC AND ALL SIZES BETWEEN;

AND ANALYZE THE BODY AND MIND, AND THE ENVIRONMENT SURROUNDING THEM, TO FIGHT DISEASE, EXTEND LIFE, AND POSITIVELY AFFECT THE HUMAN CONDITION.
Inquiry that leads to discovery, deeper understanding, and new ways to make meaning is at the core of the mission of the College of Arts and Sciences. The faculty investigate questions across an array of disciplines, gaining insights that place them at the forefront of developments in their fields. Their commitment to excellent research, scholarship, and creative activity is evident in this third annual compendium of their work. The entries in the pages that follow are a testament to the unique and consequential role of the College of Arts and Sciences in the advancement of the University’s mission. I am immensely proud of all that we have achieved this past year. My congratulations and thanks to all those who contributed to our shared success.

Edelgard Wulfert
Dean of the College of Arts and Sciences
Professor of Psychology
Collins Fellow
From the NewsCenter | Professor JoAnne Carson is among 178 scholars, artists and scientists honored from a pool of nearly 3,000 applicants across the U.S. and Canada.

"Professor Carson is not only a gifted painter and sculptor but also a valuable teacher and mentor to our students. We are very proud of her accomplishments," said Dean of the College of Arts and Sciences Elga Wulfert.

Often characterized as "midcareer" awards, Guggenheim Fellowships are intended for men and women who have already demonstrated exceptional capacity for productive scholarship or exceptional creative ability in the arts.

"The fact that I was awarded both a University Award and New York State University Chancellor’s Award for Excellence in Research or Creative Activity no doubt had a positive influence on the deliberations of the Guggenheim jury," said Carson. "The Guggenheim Foundation recognizes individuals who have a record of consistent and ongoing professional achievement and these University awards helped to establish that I met that criterion."

She joined the UAlbany faculty in 1985, was promoted to full professor ten years ago, and has twice served as chair of the Department of Art and Art History.

"I have been an artist for almost 40 years and I have come to recognize and accept that moving between sculpture and painting – and now landscape art – is a core feature of my practice. What connects all my work is the desire to create a world that is at once whimsical and monstrous, a salutation to the resourcefulness of living beings and my own delight in creating new things at which to marvel," said Carson.

With a career that is both expansive in form and method, the artist has made significant and major works in a range of media including constructed paintings, sculpture, and more recently, land-art. Her work is in numerous public collections, including the Brooklyn Museum of Art, The Fort Worth Art Museum, The Joslyn Museum, The Smart Museum of Art, and the Frederick Weisman Art Foundation.

She has been honored with the American Academy in Rome Fellowship; the National Endowment for the Arts Award; Awards in the Visual Arts 4; and the American Academy of Arts and Letters Purchase Prize.

The Guggenheim grant will allow her to take a sabbatical from teaching in order to devote herself fully to painting. "My project is clear and straightforward: to expand the scale and complexity of my pictures to equal the forcefulness and materiality of my three-dimensional work in sculpture and landscape art," said Carson.

Her paintings of the past three years – a series titled Rewilding the Dream – are the first two-dimensional works she has done since the early 1990's. "They serve as a testament to the belief that, in spite of the fearsome decline of our environment, life continues on and often with exuberance – albeit in new forms," she said.

Since its inception in 1925, the Foundation has granted more than $334 million in Fellowships to more than 18,000 individuals, among whom are scores of Nobel laureates, Fields Medalists, Turing Award winners, poets laureate, and winners of the Pulitzer Prize.
HUMANITIES AND FINE ARTS
PUBLICATIONS, INTELLECTUAL CONTRIBUTIONS AND CREATIVE ACTIVITY

ART AND ART HISTORY

Amy R. Bloch


David Carbone


JoAnne Carson


Leona E. Christie


Sarah R. Cohen

Rachel Dressler

Rob S. Edelman


Phyllis Galembo


Amy R. Bloch  
ASSOCIATE PROFESSOR  
DEPARTMENT OF ART AND ART HISTORY  
*Gates of Paradise: Humanism, History, and Artistic Philosophy in the Italian Renaissance*  
Cambridge University Press, 2016  
This book examines the heretofore unsuspected complexity of Lorenzo Ghiberti's sculpted representations of Old Testament narratives in his Gates of Paradise (1425-1452), the second set of doors he made for the Florence Baptistery and a masterpiece of Italian Renaissance sculpture. One of the most intellectually engaged and well-read artists of his age, Ghiberti found inspiration in ancient and medieval texts, many of which he and his contacts in Florence's humanist community shared, read, and discussed. He was fascinated by the science of vision, by the functioning of nature, and, above all, by the origins and history of art. These unusually well-defined intellectual interests, reflected in his famous Commentaries, shaped his approach in the Gates. Through the selection, imaginative interpretation, and arrangement of biblical episodes, Ghiberti fashioned multi-textured narratives that explore the human condition and express his ideas on a range of social, political, artistic, and philosophical issues.

Phyllis Galembo  
PROFESSOR  
DEPARTMENT OF ART AND ART HISTORY  
*Maske*, 2nd ed.  
*Aperture*, 2016  
For over two decades, Phyllis Galembo (born 1952) has documented cultural and religious traditions in Africa and the African Diaspora. Traveling widely throughout western and central Africa, and regularly to Haiti, her subjects are participants in masquerade events—traditional African ceremonies and contemporary costume parties and carnivals—who use costume, body paint and masks to create mythic characters. Sometimes entertaining and humorous, often dark and frightening, her portraits document and describe the transformative power of the mask. With a title derived from the Haitian Creole word maské, meaning “to wear a mask,” this album features a selection of more than 100 of the best of Galembo’s masquerade photographs to date, organized in country-based chapters, each with her own commentary. Now back in print by popular demand, the book is introduced by art historian and curator Chika Okeke-Agulu (himself a masquerade participant during his childhood in Nigeria), for whom Galembo’s photographs raise questions about the survival and evolution of masquerade tradition in the 21st century.

Daniel Goodwin  

EAST ASIAN STUDIES  
Andrew Byon  

Fan Pen L. Chen  
Tom Cohen
PROFESSOR
DEPARTMENT OF ENGLISH

Twilight of the Anthropocene Idols

With Claire Colbrook and J. Hillis Miller

Aperture, 2016

Following on from Theory and the Disappearing Future, in Twilight of the Anthropocene Idols, Cohen, Colebrook and Miller turn their attention to the eco-critical and environmental humanities’ newest and most fashionable of concepts, the Anthropocene. The question that has escaped focus, as “tipping points” are acknowledged as passed, is how language, mnemo-technologies, and the epistemology of tropes appear to guide the accelerating ecocide, and how that implies a mutation within reading itself—from the era of extinction events.

Theresa Ebert


Glyne A. Griffith


Michael. K. Hill


endlessly complex, writing cogent and effective essays about it doesn’t have to be. Strategies, the book convincingly reveals that while great literature is profoundly and moves of more than a thousand professional and student essays. Full of practical is based on a groundbreaking study of the successful interpretive and argumentative any college student can use for reading, analyzing, and writing about literary texts. It
Sheila C. Bernard
ASSOCIATE PROFESSOR
DEPARTMENT OF HISTORY

Documentary Storytelling, 4th Edition

Focal Press, 2015

Documentary Storytelling has reached filmmakers and filmgoers worldwide with its unique focus on the key ingredient for success in the growing global documentary marketplace: storytelling. This practical guide reveals how today’s top filmmakers bring the tools of narrative cinema to the world of nonfiction film and video without sacrificing the rigor and truthfulness that give documentaries their power. The book offers practical advice for producers, directors, editors, cinematographers, writers and others seeking to make ethical and effective films that merge the strengths of visual and aural media with the power of narrative storytelling.

University Press.

Richard S. Fogarty


Richard F. Hamm


David P. Hochfelder


Hochfelder, D. P. (2016). Degrees That Figure into Future. *Albany Times Union*, April 1.

Hochfelder, D. P. (2016). Meeting our audiences where they are in the
John Monfasani  
DISTINGUISHED PROFESSOR  
DEPARTMENT OF HISTORY  

Greek Scholars between East and West in the Fifteenth Century  
Routledge, 2016  

Although the immense importance for the Renaissance of Greek émigrés to fifteenth-century Italy has long been recognized, much basic research on the phenomenon remains to be done. This new volume by John Monfasani gathers together fourteen studies filling in some of the gaps in our knowledge. The philosophers George Gemistus Pletbo and George Amiroutzes, the great churchman Cardinal Bessarion, and the famous humanists George of Trebizond and Theodore Gaza are the subjects of some of the articles. Other articles treat the émigrés as a group within the wider frame of contemporary issues, such as humanism, the theological debate between the Orthodox and Roman Catholics, and the process of translating Greek texts into Latin. Furthermore, some notable Latin figures also enter into several of the articles in a detailed way, specifically, Nicholas of Cusa, Niccolò Perotti, and Pietro Balbi.

Renaissance Humanism, from the Middle Ages to Modern Times  
Routledge, 2016  

Starting with an essay on the Renaissance as the concluding phase of the Middle Ages and ending with appreciations of Paul Oskar Kristeller, the great twentieth-century scholar of the Renaissance, this new volume by John Monfasani brings together seventeen articles that focus both on individuals, such as Erasmus of Rotterdam, Angelo Poliziano, Marsilio Ficino, and Niccolò Perotti, and on large-scale movements, such as the spread of Italian humanism, Ciceronianism, Biblical criticism, and the Plato-Aristotle Controversy. In addition to entering into the persistent debate on the nature of the Renaissance, the articles in the volume also engage what of late have become controversial topics, namely, the shape and significance of Renaissance humanism and the character of the Platonic Academy in Florence.


Monfasani, J. (2016). The rise and
fall of Renaissance Italy. *Aevum*, 89(3).

Patrick J. Nold


Christopher L. Pastore


Kendra Smith-Howard


Laura Wittern-Keller

Adapted from the NewsCenter | Legal historian Richard F. Hamm, a highly regarded teacher and expert on U.S. Constitutional history, has been named a 2016 Collins Fellow.

The Collins Fellowship recognizes members of the teaching faculty who have demonstrated extraordinary devotion to the University and the people in it over a sustained period of time.

Hamm, who has chaired the Department of History for the past nine years, is known as an excellent teacher, so thoroughly committed to his students that he takes great pains to learn each of their names. He keeps his office door open five days a week, seven hours a day, and he maintains contact throughout their undergraduate years and beyond. In his 26 years at UAlbany, he has gone to nearly every graduation ceremony.

He also spearheaded efforts to redesign the department’s advising system so that each student is now individually counseled by a tenured or tenure-track faculty member. Such attention to student needs has helped make history the major with the highest satisfaction levels in the University.

Hamm was the faculty co-founder in 1999 of the annual Researching New York Conference held at UAlbany and run by the department’s graduate students. It is the only conference of its kind focusing on local New York State history.

Hamm was the selected speaker at Torch Night by the Class of 1996. He received the President’s Award for Excellence in Teaching in 1997, the Chancellor’s Award for Excellence in Teaching in 1998, and the Outstanding Achievement Award from the Disability Resource Center in 2012. He was given the “Most Influential Person” Honors College Student Award in 2013.

Hamm’s research interests are focused on the interaction of law and society in American history, especially the 19th and 20th centuries, with his scholarship on U.S. Constitutional history considered by peers to be of the highest caliber. He attends the American Society for Legal History’s annual conference when he can and his standing within that group has made him an ideal liaison for the new association between UAlbany and Albany Law School. His longstanding connections and collaborations with the faculty at Albany Law have paved the way for both a joint history MA/JD, which he designed, and a speaker series he organized this semester.

In the past year he has published one article and submitted five on U.S. legal history. Hamm is the author of two books; his first, on Prohibition, is an acknowledged classic in the field. It has been widely cited in scholarship and has even appeared in Supreme Court opinions.

Among his colleagues, Hamm is known for his ability to build consensus, and to make informed and well-reasoned points without pressuring others.

The Collins Fellow designation is unique to UAlbany and intended to acknowledge the efforts of faculty who exemplify the highest levels of institutional commitment and service. The honor is named for Evan Revere Collins, president of the University from 1949 to 1969.

A ‘Most Influential Person’ is Designated a Collins Fellow

Respected historian and educator Richard Hamm is recognized for the highest levels of institutional commitment and service.

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The Collins Fellowship recognizes members of the teaching faculty who have demonstrated extraordinary devotion to the University and the people in it over a sustained period of time.

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He also spearheaded efforts to redesign the department’s advising system so that each student is now individually counseled by a tenured or tenure-track faculty member. Such attention to student needs has helped make history the major with the highest satisfaction levels in the University.

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LANGUAGES, LITERATURES, AND CULTURES

Cynthia A. Fox


Ilka Kressner


Denise M. Osborne


Olimpia A. Pelosi


Lotfi Sayahi


Timothy D. Sergay


Carmen A. Serrano


Megan Solon


Brendan Campbell

Mary Beth Winn


MUSIC AND THEATRE

Richard Albagli


Kevin Champagne


Duncan Cumming


Hilary Cumming


Corelli and their contemporaries in historically informed styles.

University at Albany - SUNY, Albany, NY.


Robert Gluck


William Gray


David Hosley


Chad R. Larabee


Max Lifchitz


G. Schrimer/Carlanita Music Company.


Lifchitz, M. (2016). *Mosaico Latinoamericano and Yellow Ribbons No. 1.* Composer and performer. Performance of music of living composers including Lifchitz. Campbell University, Buies Creek, NC.


Spectrum Arts Center, New York, NY.


Bradley Armour-Garb


Jason R. D’Cruz


Lisa L. Fuller


Robert C. Howell


P. D. Magnus


AFRICANA STUDIES

Amani R. Chandler


Anthony P. Farley

Michelle A. Harris


Leonard A. Slade Jr


ANTHROPOLOGY

Elise L. Andaya

Louise M. Burkhardt


Jennifer L. Burrell


James Collins


Timothy B. Gage
Napierala, J., Gage, T. B. (2016). Social networks and the heritability


**Mia Gallo**


**Adam D. Gordon**


**John S. Justeson**


**Walt E. Little**


**Marilyn A. Masson**


**Veronica Perez Rodriguez**


**Sean M. Rafferty**


**Robert M. Rosenswig**


**Lawrence M. Schell**


**Amanda Spriggs**

Spriggs, A., Gordon, A. D., Muchlinski, M. (2016). Does the primate pattern hold up? Testing
the functional significance of infraorbital foramen size variation among marsupials. 

COMMUNICATION

Rosemary C. Armao


Nicolas Bencherki


Archana Krishnan


Matthew D. Matsaganis


Alyssa C. Morey


Nancy L. Roberts


Alan R. Zemel


ECONOMICS

Laurence J. Kränich


Kajal Lahiri


Zhongwen Liang

Despite China's obvious and growing importance on the world stage, it is often and easily misunderstood. Indeed, there are many Chinas, as this comprehensive survey of contemporary China vividly illustrates. Now in a thoroughly revised and updated edition that offers the only sustained geography of the reform era, this book traces the changes occurring in this powerful and ancient nation across both time and space. Beginning with China's diverse landscapes and environments and continuing through its formative history and tumultuous recent past, the authors present contemporary China as a product of both internal and external forces of past and present. They trace current and future successes and challenges while placing China in its international context as a massive, still-developing nation that must meet the needs of its 1.3 billion citizens while becoming a major regional and global player. Through clear prose and new, dynamic maps and photos, China's Geography illustrates and explains the great differences in economy and culture found throughout China's many regions.

Baris K. Yoruk

GEOGRAPHY AND PLANNING
Carlos Balsas
Alexander B. Buyantuev


Youqin Huang


Shiguo Jiang


Catherine T. Lawson


Rui Li


Thomas P. Narins


LATIN AMERICAN, CARIBBEAN, AND U.S. LATINO STUDIES

Jose E. Cruz


Johana Londoño


Christine Preble


PSYCHOLOGY

Jeanette Altarriba


Jeanette Altarriba
PROFESSOR
DEPARTMENT OF PSYCHOLOGY
VICE PROVOST AND DEAN
UNDERGRADUATE EDUCATION

Methods in Bilingual Reading Comprehension Research
Edited with Roberto Heredia and Anna Cieślicka
Springer, 2016

The collected essays in this volume present an overview and state-of-the-field of traditional and recently developed methodological approaches to the study of bilingual reading comprehension. It critically reviews and examines major findings from classical behavioral approaches such as the visual moving window, rapid-serial visual presentation (RSVP), and eye-tracking, as well as newly developing neuropsycholinguistic methodologies such as Event-Related Potentials (ERPs), and Functional Magnetic Resonance Imaging (fMRI). Written to address a timely topic, Methods in Bilingual Reading Comprehension Research updates the field of bilingual reading by critically examining the contributions of the various behavioral and technologically-based reading techniques used to understand psychological processes underlying written language comprehension. Each topic is covered first from a theoretical, and then from an experimental, viewpoint. Moreover, the volume contributes to the development and establishment of Bilingual Reading as a subfield of bilingual sentence processing and fills a significant gap in the literature on bilingual language processing and thought. Significantly, Methods in Bilingual Reading Comprehension Research presents an overall view of some of the typical psycholinguistic techniques and approaches, as well as proposing other possible tasks that may prove viable in investigating such theoretical issues as bilingual lexical ambiguity resolution, or how bilingual speakers might resolve multiple sources of potentially conflicting information as they comprehend sentences and discourse during the communicative process. In addition, to aid reader comprehension and encourage readers to acquire “hands on” experience in the creation and development of experiments in the realm of bilingual reading research, each chapter includes a list of key words, suggested student research projects, and questions to both help the reader review the chapter and expand upon the reading. With its comprehensive coverage of a crucial subfield of psycholinguistics and language processing, Methods in Bilingual Reading Comprehension Research is an invaluable and informative resource for all students and researchers in bilingualism, neurolinguistics, bilingual cognition, and other related fields.

cover image and synopsis from publisher

Emotion word processing:


Drew A. Anderson


**James F. Boswell**


**Kristin V. Christodulu**


**Mitchell Earleywine**


**Laurie B. Feldman**


**Michael T. Ford**

Attempts to manage your thoughts or get rid of worry, fear, and panic can leave you feeling frustrated and powerless. But you can take back your life from anxiety without controlling anxious thoughts and feelings. You can stop avoiding anxiety and start showing up to your life. The Mindfulness & Acceptance Workbook for Anxiety will get you started, using a revolutionary new approach called acceptance and commitment therapy, or ACT.

The book has one purpose: to help you live better, more fully, more richly. Your life is calling on you to make that choice, and the skills in this workbook can help you make it happen. Find out how your mind can trap you, keeping you stuck and struggling in anxiety and fear. Learn to nurture your capacity for acceptance, mindfulness, kindness, and compassion. Use these qualities to shift your focus away from anxiety and onto what you really want your life to be about. As you do, your life will get bigger as your anxious suffering gets smaller.

No matter what kind of anxiety problem you’re struggling with, this workbook can guide you toward a more vibrant and purposeful life. Includes a CD with bonus worksheets, self-assessments, and guided mindfulness meditations.

cover image and synopsis from publisher
Ewan C. McNay


Mark Muraven

James H. Neely


Tram T. Neill III

Anna Newheiser


Andrew Poulos

Hazel M. Prelow

Heather Sheridan


Christine K. Wagner


Joanna L. Workman


Edelgard Wulfert

Scott J. South Raised to the Rank of SUNY Distinguished Professor

Professor South was one of two UAlbany faculty researchers of national and international reputation to have been elevated to the Distinguished Faculty Rank of the State University of New York.

Adapted from the NewsCenter | Professor South’s research into family demography and urban/community sociology have had major impacts on these fields, identifying key consequences of sex ratio imbalances and illuminating the dynamic processes underlying migration and residential racial segregation.

“Professor South is a scholar of the highest caliber whose contributions to sociology and to demography in particular are recognized internationally,” said Edelgard Wulfert, dean of the College of Arts and Sciences. “His impactful research program has attracted 25 years of continuous federal support, not to mention a stream of talented faculty collaborators and students eager to work alongside him at our University. He has clearly led a distinguished career, and his elevation to his new rank is fitting and well-deserved.”

Winner of UAlbany’s Excellence in Research Award in 2003, South’s productivity has continued apace since then. He has published nearly 100 scholarly articles, and his publications are consistently in the top-tier journals of the profession. His extraordinary productivity and the high quality of his scholarship are clearly reflected in the customary indicators of academic eminence (citation counts and impact indices).

While making sustained contributions to the overall mission of the University, Scott has earned 16 significant grants from external sources. Among the funding agencies for his research have been the National Science Foundation, the National Institute of Child Health and Human Development, and the Andrew W. Mellon Foundation.

In announcing the 29 new appointments, SUNY Chancellor Nancy Zimpher said, “The SUNY distinguished faculty are truly the best of the best. Through innovative instruction, unique research opportunities, and engaging applied learning opportunities, they deliver a top quality higher education for our students that is second to none.”

Since the program’s inception in 1963, SUNY has appointed 371 faculty to the rank of Distinguished Professorship.

of Addictive Behaviors, 30(1), 122-127.


Damian Zuloaga


SOCIOLGY

Peter Brandon

Brandon, P. D. (2016). Grandparent-Provided Child Care for Parents Raising School-Age

Glenn D. Deane


Joanna G. Dreby


Samantha R. Friedman

Zoya Gubernskaya


Trevor A. Hoppe


Richard W. Lachmann


Aaron W. Major


Scott J. South


Glenna D. Spitze

Katherine Trent
The Consequences of India’s Male Surplus for Women’s Partnering and Sexual Experiences. *Journal of Family Issues, 36*, 1062-1086.

Russell A. Ward


Tse-Chuan Yang


WOMEN’S, GENDER AND SEXUALITY STUDIES

Virginia E. Eubanks

SCIENCE AND MATHEMATICS
PUBLICATIONS AND INTELLECTUAL CONTRIBUTIONS

ATMOSPHERIC AND ENVIRONMENTAL SCIENCES

Lance F. Bosart


Aiguo Dai


John W. Delano


Oliver Elison Timm


Robert G. Fovell


Daniel Keyser

Brian E. J. Rose


Paul E. Roundy


Brian H. Tang


Chris D. Thornicroft


Ryan D. Torn


Mathias Vuille


Junhong Wang


Liming Zhou


BIOLGICAL SCIENCES

Paul F. Agris


Marlene Belfort


Enhances Ammonium Uptake in Hippocampal Astrocytes.
Molecular Neurobiology.

Paolo E. Forni


Shiguang Jiang


Melinda Larsen


George Robinson


Hua Shi


Ben G. Szaro


**CHEMISTRY**

Eric Block


Alan A. Chen


Evgeny V. Dikarev


Daniele Fabris


Gerd-Uwe Flechsig

Concentrating on the natural science aspects of forensics, top international authors from renowned universities, institutes, and laboratories impart the latest information from the field. In doing so they provide the background needed to understand the state of the art in forensic science with a focus on biological, chemical, biochemical, and physical methods. The broad subject coverage includes spectroscopic analysis techniques in various wavelength regimes, gas chromatography, mass spectrometry, electrochemical detection approaches, and imaging techniques, as well as advanced biochemical, DNA-based identification methods. The result is a unique collection of hard-to-get data that is otherwise only found scattered throughout the literature.

**Rabi A. Musah**


Li Niu


Marina A. Petrukhina


Max Royzen


Alexander Shekhtman


Jia Sheng


bond formation between 5-hydroxymethylcytosine (5-hmC) and its 3'-neighbouring bases in A- and B-form DNA duplexes. *Chemical Communications*, 51(91), 16389-16392.


**Paul J. Toscano**


**Jun Wang**


**Mehmet V. Yigit**


**Qi Zhang**


**Mathematics and Statistics**

**Marius Beceanu**


**Boris Goldfarb**


**Joshua B. Isralowitz**


**Cristian-Paul Lenart**


R. Michael Range  
**PROFESSOR EMERITUS**  
**DEPARTMENT OF MATHEMATICS AND STATISTICS**

*What is Calculus? From Simple Algebra to Deep Analysis*

World Scientific, 2015

This unique book provides a new and well-motivated introduction to calculus and analysis, historically significant fundamental areas of mathematics that are widely used in many disciplines. It begins with familiar elementary high school geometry and algebra, and develops important concepts such as tangents and derivatives without using any advanced tools based on limits and infinite processes that dominate the traditional introductions to the subject. This simple algebraic method is a modern version of an idea that goes back to René Descartes and that has been largely forgotten. Moving beyond algebra, the need for new analytic concepts based on completeness, continuity, and limits becomes clearly visible to the reader while investigating exponential functions.

The author carefully develops the necessary foundations while minimizing the use of technical language. He expertly guides the reader to deep fundamental analysis results, including completeness, key differential equations, definite integrals, Taylor series for standard functions, and the Euler identity. This pioneering book takes the sophisticated reader from simple familiar algebra to the heart of analysis. Furthermore, it should be of interest as a source of new ideas and as supplementary reading for high school teachers, and for students and instructors of calculus and analysis.

*cover image and synopsis from publisher*

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**Elizabeth Munch**


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**R. Michael Range**


**Karin B. Reinhold-Larsson**

Michael I. Stessin

Alexandre B. Tchernev

Marco Varisco

Yiming Ying


Kehe Zhu


PHYSICS

Ariel Caticha


Vivek Jain

Alexander Khmaladze


William A. Lanford


Lanford, W. A., Parenti, M., Nordell, B., Paquette, M., Caruso, M.,


Oleg Lunin


Carolyn MacDonald


Jonathan C. Petruccelli

$10 Million NIH Endowment Grant Positions UAlbany as the Leading Northeast Hub for Health Disparities Education and Research

University Will Lead Landmark Public Engagement Initiative to Address Issue

Adapted from the NewsCenter | The University at Albany announced, that with the support of a $10 million National Institutes of Health (NIH) endowment grant, it will launch a major public engagement initiative to address the future of minority health disparities in the Northeastern United States.

The endeavor is spearheaded by College of Arts and Science's Center for the Elimination of Minority Health Disparities (CEMHD) with support through NIH's National Institute on Minority Health and Health Disparities (NIMHD).

Director of CEMHD Lawrence M. Schell, who is Professor of Anthropology with a joint appointment in the School of Public Health, is co-principal investigator on the the landmark project, which encompasses six of UAlbany’s nine schools and colleges, and nearly two dozen Capital Region community organizations.

The project aims to increase the number of graduate students, faculty and researchers in health disparities from minority populations and underrepresented groups through enhanced recruiting efforts, and will seek to establish the UAlbany Endowment for Community-based Health Disparities Research and Training, with the endowment revenue supporting an array of educational and research initiatives.

The Task at Hand

One of the greatest national public health challenges confronting the U.S. is the lack of scientists and researchers from diverse backgrounds – a serious concern facing UAlbany and other State University of New York (SUNY) campuses. While home to one of the most diverse student populations in the SUNY system -- with 5,161 underrepresented minority students (or 39.9 percent of undergraduate enrollment) in 2014-15 -- the University’s minority graduate enrollment only consisted of 733 students from underrepresented racial and ethnic populations (or 16.9 percent). This also pertains to UAlbany’s faculty, which was only 9.3 percent during the same academic year.

The NIMHD grant will help UAlbany to close these gaps by leveraging proceeds from the endowment funds, while redoubling its current efforts, to enhance the recruitment of Ph.D., graduate students and new faculty from minority populations and underrepresented groups, along with advancing a number of other research and community-based health disparities activities under the program.

Implementing the Expansive Program

Under the five-year NIMHD grant program, UAlbany will:

> Use endowment fund income to build a pipeline and new cohort of Ph.D. students from diverse populations by creating a Health Disparities Student Program. UAlbany will recruit and graduate doctoral students from minority/underrepresented groups who will receive training for research and scholarship using transdisciplinary approaches.
> Recruit an Endowed Health Disparities Chair with nationally recognized expertise to anchor and lead the University’s research, training and community outreach endeavors in health disparities. The Endowed Chair will serve as a leader-catalyst in building a community of inclusive excellence spanning the health disparities disciplines and play a critical role in UAlbany’s plans to further diversify its campus community.
> Develop innovative transdisciplinary health disparities education and training including the creation of new curricula to strengthen academic programs related to health disparities, a new master’s degree-level program focused on health disparities, and the establishment of an epigenetics lecture and laboratory course at the graduate level.
> Strengthen community outreach, engagement and action plans related to the development of health disparities education, research, practice and policy. UAlbany will first reinvigorate the CEMHD’s existing minority health task forces in Albany and Amsterdam, N.Y., and will create new health disparities task forces in other regions in the future.
> Train the Ph.D. Health Disparities students to establish, support and preserve a community task force, and the University will establish an annual President’s Community Forum on Health Disparities designed and informed with community input so that research will have goals and methods relevant to the community.

In order to achieve this truly transdisciplinary approach, six of UAlbany’s nine schools and colleges will play an integral role in the grant, including The College of Arts and Sciences and the Rockefeller College of Public Affairs & Policy, as well as the Schools of Criminal Justice, Education, Public Health and Social Welfare.

The NIMHD grant will serve to establish unprecedented relations with both new and existing community partners and health service providers through the establishment of a broad Community Leadership Committee for Health Disparities with more than 20 community stakeholders, chaired by President Jones and Professor Schell.

The Collaborative Strength of CEMHD

CEMHD is a collaborative effort focusing on minority health
disparities in the smaller cities and towns of New York. It was established in 2004 through a three-year, $1.24 million grant from the NIH and endorsed by the New York State Department of Health (NYSDOH). The Center works to eliminate health disparities by developing capacity in faculty at the University and partnering with community groups to identify their health concerns and the sources of disparities, and then plan, implement and test strategies to alleviate them. CEMHD is a partnership among community groups, hospitals, state and county health departments, the State of New York and the University at Albany.

“Through the creation of a permanent institutional endowment fund dedicated for health disparities research training, UAlbany will provide numerous pathways and opportunities to recruit a more diverse workforce and to create a more conducive scholarly environment for teaching and research to meet the important moral challenge to our society of health disparities,” said Schell.
From the NewsCenter | A professor inspiring generations of STEM researchers and a biologist leveraging his local farm to teach about sustainable agriculture are among this year’s recipients of the President’s Award for Exemplary Public Engagement.

The awards, presented by University at Albany President Robert J. Jones at a ceremony in April in the Performing Arts Center, honor individual projects and programs that have made exemplary contributions to addressing a significant social need and enhancing public well-being through community-engaged research, creative activity, teaching, academic study and/or public service.

The 2016 recipients affiliated with the College of Arts and Sciences include:

John Delano – An Associate Dean of the College and a Distinguished Teaching Professor in the Department of Atmospheric and Environmental Sciences, Delano has worked throughout his academic career to bring emerging scientific research in astrophysics to community audiences, as well as to assist high school science teachers improve science instruction. Receiving a lifetime achievement award, Delano has inspired generations of STEM researchers.

Gary Kleppel – Biology Professor Gary Kleppel has been a long-standing advocate for sustainable agriculture and local food systems, strengthening UAlbany’s ties with the local agricultural community and using his own farm as a learning laboratory for students and community members.

Schoharie Archaeological Field School – Under the direction of anthropology professor Sean Rafferty, UAlbany and N.Y.S. Museum researchers are excavating an archaeological site in Central Bridge, N.Y., and have uncovered more than 350,000 artifacts that they have shared with the local community to educate about the area’s history and the importance of preserving cultural resources.

Other recipients this year included the Fellowship on Women and Public Policy of the Center for Women in Government & Civil Society and the UAlbany Navigators Program in the School of Social Welfare.
ANTHROPOLOGY
Sean M. Rafferty
Northeast Anthropology Journal
$6,405
Lawrence Schell (Co-PI)
The Endowment for Community Based Health Disparities Research and Training
NATIONAL INSTITUTES OF HEALTH
4/1/2016 - 3/31/2017
$2,000,000
Christopher Wolff
TRANSFER GRANT: Collaborative Research: The Initial Peopling and Settlement of Eastern Newfoundland
NATIONAL SCIENCE FOUNDATION
4/1/2016 - 12/31/2018
$243,539

ATMOSPHERIC AND ENVIRONMENTAL SCIENCES
Lance F. Bosart
An Investigation of the Skill of Week Two Extreme Temperature and Precipitation Forecasts at the NCEP-WPC
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
5/1/2015 - 4/30/2017
$224,995
Phenomenological Studies of Cool-Season Extreme Weather Events over Central and Eastern North America on Intraseasonal Time Scales
NATIONAL SCIENCE FOUNDATION
4/1/2014 - 3/31/2017
$66,625
Kristen L. Corbosiero
Collaborative Research with the National Weather Service on the Occurrence and Predictions of High-Impact Precipitation Events in the Northeastern United States
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
9/1/2015 - 8/31/2016
$125,000
Development of Improved Diagnostics, Numerical Models, Situational Awareness of High-Impact Cyclones and Convective Weather Events
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
5/1/2016 - 4/30/2019
$150,000
Forecasting Tropical Cyclone Intensity Change: Assessing the Impact of Inner Core Lightning Bursts
UNIVERSITY CORPORATION FOR ATMOSPHERIC RESEARCH
7/10/2015 - 7/30/2016
$19,939
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 - 8/31/2016
$30,000
Kinematic and Thermodynamic Analysis of Tropical Cyclone Intensity Changes Signaled by Outer Rainband Lightning Activity during Nasa's GRIP and HS3 Missions
NASA EARTH SCIENCE ENTERPRISE
9/1/2015 - 8/31/2017
$60,000
Aiguo Dai
Collaborative Research to Narrow Uncertainties in Precipitation and the Hydrological Cycle in Climate Models
US DEPARTMENT OF ENERGY
5/15/2014 - 8/15/2016
$117,070
Dirunal Metrics for Evaluating GFDL and Other Climate Models
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
8/1/2015 - 7/31/2016
$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 - 8/31/2016
$14,601

Everette Joseph
Department of Commerce NOAA
Scientific and Technical Support
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION | GLOBAL SCIENCE & TECHNOLOGY, INC.
$37,500

PIRE: Building Extreme Weather Resiliency Through Improved Weather and Climate Prediction and Emergency Response Strategies
NATIONAL SCIENCE FOUNDATION
9/15/2015 - 8/31/2020
$221,295

Andrea Lang
A Climatological and Forecast Perspective on the Lower Stratospheric Environment During Synoptic Waveguide Perturbation Events
NATIONAL SCIENCE FOUNDATION
7/1/2016 - 6/30/2017
$361,907

Jiping Liu
Development of Satellite-Based Surface Fluxes of Heat and Moisture in the Arctic Ocean for Understanding Impacts of Changing Arctic Environments
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
8/1/2014 - 7/31/2016
$137,385

Improving Seasonal Predictability and Prediction of Arctic Sea Ice and Associated Feedbacks on Mid and High Latitude Climate in CFSv2
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
8/1/2015 - 7/31/2018
$276,577

Cheng-Hsuan Lu
Evaluating the Impact of Cloud-Aerosol-Precipitation-Interaction (CAPI) Schemes on Rainfall Forest in the NGGPS
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
8/1/2014 - 7/31/2016
$137,385

UNIVERSITY OF MARYLAND
5/1/2015 - 4/30/2016
$37,771

John E. Molinari
Mechanisms of Intensity Change in Sheared Tropical Cyclones
NATIONAL SCIENCE FOUNDATION
3/15/2015 - 2/28/2018
$154,224

Outflow Layer Dynamics and Thermodynamics and Tropical Cyclone Intensity Change
US NAVY OFFICE OF NAVAL RESEARCH
1/28/2014 - 12/31/2016
$422,268

Paul E. Roundy
Precursor Conditions to Onset and Breakdown of Agricultural Drought over the United States Corn Belt Region
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
9/15/2015 - 8/31/2016
$75,000

Brian H. Tang
Severe Convective Storms in Complex Terrain
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION | UNIVERSITY CORPORATION FOR ATMOSPHERIC RESEARCH
7/10/2015 - 7/30/2016
$20,000

Christopher D. Thorncroft
Collaborative Research: S12-SSI: Big Weather Web: A Common and Sustainable Big Data Infrastructure in Support of Weather Prediction Research and Education in Universities
NATIONAL SCIENCE FOUNDATION
1/1/2014 - 12/31/2016
$426,268

Ryan Torn
The Role of Uncertainty in Divergent Outflow on Midlatitude Predictability within DOWNSSTREAM
NATIONAL SCIENCE FOUNDATION
9/1/2015 - 8/31/2018
$112,354

Assessing the Predictability of Tropical Cyclone Intensity Using HWRF
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
8/1/2014 - 7/31/2016
$137,385

Liming Zhou
Collaborative Research: Understanding Congo Rainfall Variability and Trends
NATIONAL SCIENCE FOUNDATION
8/31/2015 - 8/31/2018
$615,757

BIOLOGICAL SCIENCES

Paul Agris
Health Network: Designing New miR-30c Mimics and Delivery System to Treat Hyperlipidemia and Atherosclerosis
SUNY SYSTEM ADMINISTRATION
7/1/2015 - 6/30/2016
$62,460

Health Network: Optimizing Hammerhead Ribozyme Therapeutics for Retinal Degenerative Diseases
RESEARCH FOUNDATION OF STATE UNIVERSITY OF NY
7/1/2015 - 6/30/2016
$30,000

RNA Modification: Structure and Mechanism
NATIONAL INSTITUTES OF HEALTH | WESTERN UNIVERSITY OF HEALTH SCIENCE
9/1/2015 - 8/30/2016
$177,311

Marlene Belfort
Intron Dynamics in Bacteria
NATIONAL INSTITUTES OF HEALTH
5/10/2016 - 3/31/2017
$599,287

Transfer Grant GM039422- Intron Dynamics in Bacteria
NATIONAL INSTITUTES OF HEALTH
8/31/2015 - 7/31/2016
$195,314

Haijun Chen
Dynamic Ion Selectivity of K2P Channels and Paradoxical Depolarization
NATIONAL INSTITUTES OF HEALTH
8/1/2012 - 7/31/2016
$286,726

Melinda Larsen
Integrin Intracellular Function
NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES | ALBANY MEDICAL COLLEGE
2/1/2016 - 1/31/2017
$56,416
Kasturi Prashanth Rangan
Transient Transcriptional Silencing in Stem Cell Differentiation in Drosophila
NATIONAL INSTITUTES OF HEALTH
8/1/2014 - 7/31/2016
$287,631

Jia Sheng
Evolutionary Roles of RNA Aptamers in the Origin of Biological Catalysis-Post Doc Fellowship
SIMONS FOUNDATION
4/1/2016 - 3/31/2017
$85,000

Ben G. Szaro
Epigenomic Resources for Studying Successful Spinal Cord Axon Regeneration
NYS DEPARTMENT OF HEALTH
2/1/2016 - 8/31/2016
$168,609

Ing-Nang Wang
Phylogeographic Dynamics of a Vector and Pathogen in a Natural Environment
NATIONAL INSTITUTES OF HEALTH | UNIVERSITY OF PENNSYLVANIA
12/1/2015 - 11/30/2016
$71,436

Daniel L. Wulff
FY 2016 Upstate New York JSHS ACADEMY OF APPLIED SCIENCES
9/1/2015 - 8/31/2016
$15,900

Science Research in the High School Program-Teacher Workshops
MULTIPLE SPONSORS
7/16/2009 - 8/15/2016
$31,500

Support for Junior Science & Humanities Symposium (JSHS)-University in High School Program
MULTIPLE SPONSORS
2/16/2012-2/15/2017
$16,520

CHEMISTRY
Eric Block
Peripheral Odor Coding in Mammals
NATIONAL INSTITUTES OF HEALTH | DUKE UNIVERSITY
4/1/2016 - 3/31/2017
$101,439

Supplemental Funds
NATIONAL SCIENCE FOUNDATION
7/31/2015 - 8/31/2016
$22,656

Kyle C. Doty
NATIONAL INSTITUTE OF JUSTICE
10/1/2015 - 9/30/2016
$49,795

Daniele Fabris
CRIPTON: Role of ncRNAs in Chromatin and Transcription
EUROPEAN RESEARCH COUNCIL | UNIVERSITY OF CAMBRIDGE
9/22/2015 - 4/30/2017
$86,640

Claire Luber
Further Development of Raman Spectroscopy for Body Fluid Investigation: Method Advancement and Validation-Pre Doc Fellowship
NATIONAL INSTITUTE OF JUSTICE
10/1/2015 - 9/30/2016
$42,672

Rabi Musah
Development of Ambient Ionization Mass Spectrometric and Multivariate Statistical Analysis Methods for Rapid High Throughput Analysis and Identification of Psychotropic Plant Species
NATIONAL INSTITUTE OF JUSTICE
1/1/2016 - 12/31/2018
$688,168

Supplemental Funding: GOALI: Plant Derived Biogenic Sulfur Emissions and the Environment
$46,283

Jayanti Pande
Gamma Crystallin Modifications and Mechanisms of Lens Opacity
NATIONAL EYE INSTITUTE
12/1/2015 - 13/31/2016
$346,500

Marina A. Petrukhina
From Carbon-Rich Bowls to Nanobelts and Warped Nanographene: Self-Assembly and Metal Ion Intercalation Upon Multi-Charging
NATIONAL SCIENCE FOUNDATION
9/15/2016 - 8/31/2019
$450,000

Maksim Royzen
Biomaterials and Bioorthogonal Chemistry for Enhanced Drug Delivery
NATIONAL INSTITUTES OF HEALTH | SHASQI, INC
1/1/2016 - 6/30/2016
$50,000

Alexander Shekhtman
Targeting RAGE-mDial 1 in Diabetic Complications: Mechanisms & Therapeutics
NATIONAL INSTITUTES OF HEALTH | NEW YORK UNIVERSITY
8/1/2015 - 7/31/2016
$70,412

John T Welch
Control of Conformation and Reactivity in Pentafluorosulfanyl Substituted Aliphatic Compounds
NATIONAL SCIENCE FOUNDATION
4/27/2016 - 5/31/2018
$5,000

Novel Monomers and Chemistries for Photopolymerization of Coatings and Adhesives
NATIONAL SCIENCE FOUNDATION
4/1/2016 - 11/30/2016
$50,000

COMMUNICATION
Annis G. Golden
Women's Health Project
HUDSON RIVER BANK AND TRUST COMPANY FOUNDATION
9/22/2015 - 9/21/2016
$3,000

Women's Health Project
UNIVERSITY AT ALBANY FOUNDATION
1/28/2016 - 1/27/2017
$50,000

ECONOMICS
Gerald R. Marschke
Innovation in an Aging Society
NATIONAL INSTITUTES OF HEALTH | NATIONAL BUREAU OF ECONOMIC RESEARCH INCORPORATED
7/1/2015 - 6/30/2016
$33,593

Funded Projects | 45
Pathways from University Research to Productive Careers
NEW YORK UNIVERSITY
11/9/2015 - 6/30/2016
$25,000

EAST ASIAN STUDIES
Anthony DeBlasi
Confucius Institute Year 2
CONFUCIUS INSTITUTE OF CHINA
1/1/2016 - 12/31/2016
$12,000

ENGLISH
Thomas Bass
Strengthening Investigative Journalism in Tunisia
NATIONAL ENDOWMENT FOR DEMOCRACY
2/1/2015 - 1/31/2016
$60,000

GEOGRAPHY AND PLANNING
Alexander B. Buyantuev
MRI Acquisition of a Small Unmanned Aircraft System (UAS) for Natural and Urban Ecosystem Studies and Risk Disaster Management
NATIONAL SCIENCE FOUNDATION
9/1/2015 - 8/31/2018
$147,983

Andrei Lapenas
Collaborative Research: IDBR: Type A. The NANAPHID: A Novel Apid-Like Nanosensor Network for Real-Time Measurements of Carbohydrates in Live Plant Tissue
NATIONAL SCIENCE FOUNDATION
4/15/2015 - 3/31/2017
$117,428

Catherine T. Lawson
AITE Fellowship 2015-17 Matthew Rosenbloom-Jones and Katie O'Sullivan
US DEPARTMENT OF TRANSPORTATION | RESEARCH FOUNDATION OF STATE UNIVERSITY OF NY
8/1/2015 - 5/31/2017
$50,000

Innovative Travel Data Collection-Planning the Next Two Decades
US DEPARTMENT OF TRANSPORTATION | RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK
7/1/2015 - 6/30/2016
$124,521

Foundational Research for the Use of National Performance Management Research Data Set (NPMRDS) - Phase 2
US DEPARTMENT OF TRANSPORTATION | RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK
1/1/2015 - 3/31/2016
$50,400

Foundational Research for Use of National Performance Management Research Data Set (NPMRDS)
US DEPARTMENT OF TRANSPORTATION | RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK
12/16/2014 - 3/31/2016
$199,695

HISTORY
David Hochfelder
Finding and Interviewing Former Residents Displaced by the Construction of the Empire State Plaza
NEW YORK COUNCIL FOR THE HUMANITIES
2/1/2016 - 7/31/2016
$1,500

MATHEMATICS AND STATISTICS
Ivana Alexandrova
Scattering Theory, Semi-Classic Analysis, and the Aharonov-Bohm Effect
SIMONS FOUNDATION
9/1/2015 - 8/30/2016
$7,000

Marius Beceanu
Collaboration Grants for Mathematics
SIMONS FOUNDATION
9/1/2016 - 8/31/2021
$35,000

Joshua Isralowitz
2016 Simons Collaboration Grant
SIMONS FOUNDATION
9/1/2016 - 8/31/2021
$35,000

Charles A. Micchelli
Collaborative Research: Multiscale Proximity Algorithms for Optimization Problems Arising From Image/Signal Processing
NATIONAL SCIENCE FOUNDATION
8/1/2015 - 7/31/2018
$136,593

Antun Milas
Irrational Vertex Algebras, W-Algebras, and Modular Forms
SIMONS FOUNDATION
9/1/2015 - 8/31/2016
$7,000

Elizabeth Munch
Collaborative Research: A Unified Framework for the Investigation of Time Series Using Topological Data Analysis
NATIONAL SCIENCE FOUNDATION
4/1/2016 - 3/31/2019
$178,736

Collaborative Research: Machine Learning on Topological Data Analysis Features of Dynamical Systems
NATIONAL SCIENCE FOUNDATION
9/1/2016 - 8/31/2019
$101,672

Marco Varisco
Algebraic K-Theory and Equivariant Stable Homotopy Theory
SIMONS FOUNDATION
9/1/2016 - 8/31/2021
$35,000

Yiming Ying
New Theory and Algorithms for Nonstandard Prediction Problems
SIMONS FOUNDATION
9/1/2016 - 8/31/2021
$35,000

PHYSICS
Vivek Jain
Experimental Particle Physics at SUNY Albany
NATIONAL SCIENCE FOUNDATION
7/1/2015 - 6/30/2018
$280,000

T S Kuan
GRC Graduate Fellowship Program-Pre Doc Fellowship
SEMICONDUCTOR RESEARCH CORPORATION
$32,432

Matthew Szydagis
Operation of the Large Underground
Xenon (LUX) Experiment
REGENTS OF THE UNIVERSITY OF CALIFORNIA | US DEPARTMENT OF ENERGY
7/15/2015 - 12/31/2016
$9,102

The LUX-ZEPLIN Dark Matter Experiment: From Exclusion to Discovery Potential with Better Simulations and Vetos
US DEPARTMENT OF ENERGY
6/1/2016 - 3/31/2017
$80,000

PSYCHOLOGY

James Boswell
Mental Health Care Consumer Values and Preferences Regarding the Use of Provider Performance Data
ROBERT WOOD JOHNSON FOUNDATION
10/1/2015 - 3/31/2017
$307,840

Kristin V. Christodulu
CARD Albany and NYS Regional Centers for Autism Spectrum Disorders
US DEPARTMENT OF EDUCATION | NYS EDUCATION DEPARTMENT
7/1/2014 - 6/30/2016
$500,000

CARD Workshops Misc Support
MULTIPLE SPONSORS
1/1/2008 - 5/15/2017
$40,449

CARD: MS Income Account
MULTIPLE SPONSORS
7/1/2005 - 3/15/2017
$6,997

Center for Autism & Related Disabilities (CARD) Conferences
MULTIPLE SPONSORS
8/1/2012 - 9/15/2016
$63,071

Education for Parents of Children Recently Diagnosed with Autism
NYS OFFICE FOR PEOPLE WITH DEVELOPMENTAL DISABILITIES
1/10/2016 - 12/31/2016
$54,983

Multidisciplinary Behavior Support Program for At-Risk Families of Children with Autism Spectrum Disorders
NYS OFFICE FOR PEOPLE WITH DEVELOPMENTAL DISABILITIES
1/10/2016 - 12/31/2016
$34,010

Review of Literature for the Clinical Practice Guidelines on Autism/Pervasive Developmental Disorders
NYS DEPARTMENT OF HEALTH | HEALTH RESEARCH INCORPORATED
10/1/2013 - 6/30/2016
$10,306

Statewide Initiative Designed to Increase Capacity of School Teams to Support Students with Autism Spectrum Disorders
US DEPARTMENT OF EDUCATION | NYS EDUCATION DEPARTMENT
7/1/2014 - 6/30/2016
$1,740,000

Ewan C. McNay
Mechanisms Transducing Insulin and Insulin Resistance in the Hippocampus
NATIONAL INSTITUTES OF HEALTH
5/1/2016 - 1/31/2017
$392,817

Kevin J Williams
Graduate Research Fellowship Award - Rebecca Mendelsohn
NATIONAL SCIENCE FOUNDATION
7/1/2010 - 3/31/2021
$146,000

Joanna Workman
Transfer of Grant: Role of Lactation and Oxytocin in Depressive-Like Behaviors During the Postpartum Period: An Animal Model of Postpartum Depression
BRAIN & BEHAVIOR RESEARCH FOUNDATION
1/1/2013 - 1/14/2014
$32,159

Wulfert, Edelgard
The Impact of Stress on Steroid Hormones and Cue Reactivity in Smokers and Gamblers-Pre Doc Fellowship- Stephanie Wemm Graduate Student
NATIONAL INSTITUTE ON DRUG ABUSE
2/1/2016 - 1/31/2017
$52,000

RNA INSTITUTE

Maria Basanta Sanchez
Mass Spectrometric Screening of the Effect of Chemical Toxicants on the Human Epitranscriptome

Funded Projects | 47
2016 Chancellor’s and President’s Awards for Excellence

Recipients in the College of Arts and Sciences

Sheila C. Bernard
DOCUMENTARY STUDIES
President’s Award for Excellence in Research and Creative Activity

Michael Boots
DEVELOPMENT
President’s Award for Excellence in Professional Service

Jennifer Crowley
ANTHROPOLOGY
President’s Award for Excellence in Teaching

Elizabeth Gaffney
OFFICE OF THE DEAN
President’s Award for Excellence in Professional Service

Melinda Larsen
BIOLOGICAL SCIENCES
Chancellor’s Award for Excellence in Research and Creative Activity

Li Niu
CHEMISTRY
Chancellor’s Award for Excellence in Research and Creative Activity

Thomas Palmer
JOURNALISM
President’s Award for Excellence in Teaching

Alexander Shekhtman
CHEMISTRY
President’s Award for Excellence in Research and Creative Activity

Kendra Smith-Howard
HISTORY
President’s Award for Excellence in Teaching

Ben Szaro
BIOLOGICAL SCIENCES
President’s Award for Excellence in Research and Creative Activity

Christine Wagner
PSYCHOLOGY
President’s Award for Excellence in Academic Service