Fordham Research Newsletter

Volume I, Issue II

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Letter from the Chief Research Officer

Welcome to the second issue of the Fordham Research Newsletter. This newsletter marks the first full academic year since my appointment as Chief Research Officer. It's been a very exciting year with a number of significant initiatives of which I am very proud. We have worked together in starting, sustaining and developing our Fordham research enterprise. In some cases, we have partnered with other universities in new ways, such as with the NYU and Columbia University research tours and the NYU -Fordham-Columbia Research Fellows program. Some of the other highlights of this issue include:

- Sponsored Research Day at Fordham
- Earth Month Research Colloquium

- Digital Humanities Symposium at NYU
- Interdisciplinary Awards recipients
- Grant awards listing over the previous 6 months

We hope that this newsletter will encourage and inspire all of Fordham's researchers, from undergraduates to seasoned scholars, to continue to delve deeper in your field of study. It is also our desire that researchers reach across their disciplines and partner in new ways with other scholars.

I want to express my sincere appreciation to Provost Stephen Freedman and Dr. Jonathan Crystal, Associate Vice President, for their strong support and visionary guidance since my arrival last year to Fordham. Our faculty and staff members deserve much credit for the accomplishments highlighted in this newsletter. I also want to thank the University Research Council,



May 2017

chaired by Dr. Jim Lewis, for their dedicated contributions to the University's research efforts. Together we continue to enhance the objectives of Fordham University's mission.

Please do not hesitate to reach out to me with your questions or concerns.

George Hong, Ph.D.

Chief Research Officer and Associate Vice President for Academic Affairs <u>zhong4@fordham.edu</u>

Institutional Research Collaborations with Columbia University and New York University

Fordham University has developed its institutional research collaborations with NYU and Columbia through the following initiatives:

- Selected six Fordham-NYU and Columbia research fellows to develop joint research projects in the summer of 2017
- Sponsored the Earth Month Research Colloquium presented by the Executive Director of Columbia Earth Institute and co-sponsored NYU Digital Humanities Symposium
- Organized two research exploration tours at NYU and Columbia
- Co-sponsored the Ph.D. Colloquium on Business joined by NYU and Columbia Ph.D. students

Sponsored Research Day — A Smash!

On April 5 in Walsh Library on the Rose Hill campus, Fordham held its first ever Sponsored Research Day. The purpose of the event-filled day was to raise the visibility of the research enterprise at Fordham within the university.

In the morning, a Grant Writing Workshop was held to share ideas on both the pre and post-award phases of external grant writing. Kris Wolff and Beth Torres (Director and Grants Officer, respectively) in Fordham's Office of Sponsored Programs led the discussion.

At mid-day, another of the many firsts of this event took place - the presentations to the first-time winners of the Outstanding Externally Funded Research Awards. In his opening remarks, President Father McShane spoke of the need for wonder at the start of any research project as well as the ongoing cycle of discovery as the research advances. Provost Stephen Freedman introduced each winner and presented them with their award which included a check for \$1,000.

Each of the awardees spoke of the great personal encouragement of being honored in this way as they accepted their award. They acknowledged their colleagues and students who had provided key support.



Father Joseph McShane gives opening remarks at Sponsored Research Day's awards presentation for the five Outstanding Externally Funded Research Awardees

The five 2017 Outstanding Externally Funded Research Awardees are:				
Sciences	Silvia Finnemann	Professor, Biological Sciences		
Social Sciences	Celia Fisher	Marie Ward Doty University Chair Professor in Ethics		
Humanities	Stephen Grimm	Professor, Philosophy		
Interdisciplinary Research	Jennifer Gordon	Professor, Law		
Junior Faculty Research	Marc Conte	Assistant Professor, Economics		

After the awards ceremony, Dr. Walter L. Goldschmidts, Vice President of the Cold Spring Harbor Laboratory delivered the keynote speech of the day. He reflected on his impressive career in supporting and nurturing research that has developed in the laboratories he has directed. As an outcome of Dr. Goldschmidt's speech, Fordham hopes to develop an institutional research collaboration between Fordham and Cold Spring Harbor Laboratory.



Dr. George Hong, Fordham CRO, addresses the participants Photo by Dana Maxson



Sponsored Research Day — A Smash! Cont.

Also that afternoon, eleven speakers from a number of Fordham's research centers gave short presentations regarding the work of their centers.

The 11 presentations of this Fordham Research Center Forum were given by:

Presenter Name/Affiliation	Center
Dr. Thomas J. Daniels	Louis Calder Center
Dr. George Demacopoulos/ Graduate School of Arts & Sciences	Co-Director of the Orthodox Christian Studies Center
Dr. Deborah Denno/ Fordham School of Law	Founding Director of the Neuroscience and Law Center
Dr. Celia Fisher/ Graduate School of Arts & Sciences	Center for Ethics Education
Dr. Sean J. Griffith/ Fordham School of Law	Corporate Law Center
Dr. Janna C. Heyman & Dr. Linda White- Ryan/Graduate School of Social Service	Henry C. Ravazzin Center on Aging and Intergenerational Studies
Dr. Robin A. Lenhardt/ Fordham School of Law	Center on Race, Law & Justice
Dr. Michael Pirson/ Gabelli School of Business	Center for Humanistic Management
Dr. W. "RP" Raghupathi/ Gabelli School of Business	Center for Digital Transformation
Dr. Falguni Sen/ Gabelli School of Business	Global Healthcare Innovation Management Center
Dr. An Yan & Dr. Iftekhar Hasan/ Gabelli School of Business	Center for Research in Contemporary Finance



From left to right: Stephen Freedman, Fr. Joseph McShane, Jennifer Gordon, Celia Fisher, Marc Conte, Silvia Finnemann, John Drummond (accepting award on behalf of winner Stephen Grimm), George Hong Photo by Dana Maxson

Research Tour at NYU

On December 2, 2016 twenty-three Fordham guests were given a tour of a number of research facilities at NYU, and listened to related presentations including:

- Site visit and tour of NYU's Center for Neural Science
- A presentation by the Director of the Marron Institute of Urban Management
- Site visit and tour of NYU's Center for Genomics and Systems Biology
- A Presentation on Arts/ Humanities [Please see a related article on page 6 regarding NYU Digital Humanities Symposium which took place on April 28, 2017]

The Fordham group viewed a num-

ber of the NYU laboratories with researchers at work, many of whom took the time to explain their current projects and answer questions from the group.

As an example, the group received a presentation at the Center for Neural Science which began with a PowerPoint slide with two side-byside views of the same New York City skyline – one image clearly focused (the Adult view) and the other a shadowy outline (the Infant view). The question posed was, "How does the adult view come about?" And so, this general scientific inquiry marks the starting point for one of the specific lines of research pursued at this Center. This presentation was followed by a tour of the site's laboratories. This tour lends itself to establishing new institutional agreements for joint research. The selection of NYU -Fordham-Columbia research fellows is a good example of the deepening institutional connections with these fellow New York City research institutions. [Please see the article titled "Fordham-NYU-Columbia Fellows Selected for Summer 2017" on page 6]



(From L to R) Ulrich Baer, Vice Provost for Faculty, Arts, Humanities and Diversity NYU; Paul Horn, Senior Vice Provost for Research NYU; George Hong, Fordham Chief Research Officer Photo by Kris Wolff

Fordham and Columbia faculty and administrators participating in the Research Tour at Columbia Earth Institute



Research Tour at Columbia University

On April 7, 2017 a similar research tour of the research facilities at Columbia University was held with seven Fordham faculty members selected for their research which was closely aligned with that of Columbia affiliated scholars. The tour included the following presentations:

- Center for Sustainable Urban Development (CSUD)
- Urban Design Lab (UDL)
- International Research Institute for Climate and Society (IRI)
- Columbia Center on Sustainable Investment (CCSI)
- Center for Climate Systems Research (CCSR)

- The Earth Institute Center for Environmental Sustainability (EICES)
- Center for Sustainable Development (CSD)

"Today's research tour [at Columbia] will setup a critical foundation for our further institutional research collaboration."

- Dr. George Hong

Tours of the Data Science Institute and the Columbia Interdisciplinary Northwest Corner Building took place at the start of the group's visit. Dr. George Hong, Fordham's CRO, addressed those gathered about Fordham University research enterprise and initiatives.

Earth Month Research Colloquium – Dr. Steve Cohen – April 19, 2017

Dr. Cohen's talk was titled "Building Sustainable Cities and Living Sustainable Lifestyles." With a very optimistic outlook, he explained that America is working to build sustainable cities and that people across the country are adopting more sustainable lifestyles.

Approximately 50 staff, faculty and students attended at McGinley Center at Rose Hill. In the question and answer period that followed, members of the audience asked for clarification on the futuristic trends which Dr. Cohen predicted in his talk.

Dr. George Hong, CRO, has expressed his desire to continue this expanded Earth Month format by again coming together with



Fordham's Bronx Science Consortium partners. In doing so, Fordham and the BSC will continue to celebrate the research and ideas which advance the health of the planet.



Dr. Steve Cohen, Executive Director of the Earth Institute at Columbia University Photo by Michael Dames

[From left to right] Dr. Jim Lewis, Provost Stephen Freedman, Dr. Steve Cohen, Dr. Ron Jacobson (Associate Vice President), and Dr. George Hong. Photo by Michael Dames

NYU Digital Humanities Symposium – Fordham Co-Sponsors – April 28, 2017

As part of NYU's Digital Humanities series, an all-day Symposium titled "Queer Encoding : Encoding Diverse Identities" took place on April 28, 2017 at the NYU Center for the Humanities in lower Manhattan.

The Fordham Digital Humanities Group and Office of Research partnered with NYU to support this event. Temple University also served as a partner.

In the afternoon "Project Hack" segment, Fordham's Katherine Briant and Stephen Powell presented a talk titled "Queerness of Space and Time and Text in the Independent Crusaders Mapping Project." In keeping with the theme of the event, Ms. Briant and Mr. Powell explained the digitation process in charting on a map of Europe the individual crusaders' travel patterns as they made their journeys to Jerusalem. Ms. Briant and Mr. Powell are pursuing

their MA's in Medieval Studies / Interdisciplinary Studies.



Fordham-NYU-Columbia Fellows Selected for Summer 2017

A pair of new collaborations are starting this summer called the Fordham-NYU Research Fellows and the Fordham Research Fellows at Columbia. These exciting programs are designed to promote and expand research connections with Columbia and NYU.

Six distinguished Fordham faculty have been selected to partner with other NYU and Columbia researchers from May 15 to August 15 and to collaborate on a specific topic. In addition to the requirement of tangible outcomes from their work together, each Fordham Fellow will deliver a public presentation on their project in the Fall semester on a Fordham campus.



From left to right: Jason Munshi-South, Fuhua Zhai, Abigail Ross, Provost Stephen Freedman, Warren Tryon (representing Dean McKay), Tiedan Huang, and Daniel Leeds

Photo by David Heston

Fordham-NYU-Columbia Fellows Cont.

The following Fordham scholars will have access to research facilities, data, equipment and/or work space within NYU and Columbia.

Name/Title/Affiliation	Research Topic	Research Partners
Dr. Tiedan Huang (Assistant Professor, Graduate School of Education)	"The Transformation of the Teach- ing and Leading Workforce in America from 1987 to 2012"	William Baldwin, Professor of Prac- tice in Education; Alex Bowers, Asso- ciate Professor of Education Leader- ship, Teachers College, Columbia Uni- versity
Dr. Daniel Leeds (Assistant Professor, Computer and Information Science Department, A&S)	"Computational Study of Changes to Cortical Vision with Age"	Yaakov Stern, Professor of Neuropsy- chology at Columbia University Medi- cal Center
Dr. Dean McKay (Professor, Depart- ment of Psychology, A&S)	"Resting State Neural Circuitry in Neuroticism Following Cognitive- Behavioral Treatment"	Ray Razlighi, Assistant Professor at Columbia University College of Physi- cians and Surgeons
Dr. Jason Munshi-South (Associate Professor, Department of Biological Sciences, A&S)	"A Collaborative Study of Microbial Diversity in the Rodent Pests of New York City"	Jane Carlton, Professor and Director of the Center for Genomics and Sys- tems Biology at NYU
Dr. Abigail Ross (Assistant Professor, Graduate School of Social Service),	"Person Centered Care Planning and Service Engagement"	Victoria Stanhope, Associate Professor at NYU Silver School of Social Work
Dr. Fuhua Zhai (Associate Professor, Graduate School of Social Service)	"Gender Inequality in Transitional China: Does Education Help Nar- row Gender Gap in Couples' Time Use?"	Qin Gao, Associate Professor at Co- lumbia University School of Social Work

Contact Us — Office of Research 411

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Beth Torres, MA Humanities Grant Officer <u>btorres14@fordham.edu</u> Phone: 718-817-0861

Kris Wolff, MA, CRA Director, Office of Sponsored Programs <u>kwolff@fordham.edu</u> RH Phone: 718-817-4086 LC Phone: 212-636-7946 (Mondays only) Fax: 718-817-5575

Internal Funding Awards

Interdisciplinary Research Awards – 2016 (up to \$12,000 per award)

Awardees	Торіс
Sean Griffith & Natalia Reisels	Dead Hand Proxy Puts, Hedge Fund Activism and the Cost of Capital
Amy Roy & Marija Kundakovic	Integrating Epigenetic and Neural Mechanisms Associated with Severe Emotion Dysregulation in Youth
Laura Wernick, Jane Bolgatz, Jeanne Fla- vin & Chris Rhomberg	How to Effectively Organize Employers of Domestic Work- ers: Understanding the Model, Values and Challenges
Tiffany Yip	Racial/Ethnic Discrimination on College Campuses: A Psy- chophysiological Study of Stress Reactivity and Recovery
Fuhua Zhai & Josh Brown	Do Program Fidelity and Participant Compliance Matter? Evidence from a Randomized Mindfulness-based Interven- tion for Teachers

Interdisciplinary Research Awards - 2017

Awardees	Topic
Linda Hoyt & Paul Smith	The Preteen Study: Puberty, Race/ethnicity, and Environ- mental Influences on Positive Youth Development
Amy Roy & Gary Weiss	Quantification of ADJD Behavior using a Smart Cushion and Motion Sensors

Book Publication Awards (up to \$2,000 per award)

Awardees / Affiliation	Book Title
Dr. Fran Blumberg/Graduate School of Education (BSA)	Cognitive Development in Digital Contexts
Dr. J. Alan Clark/Biological Sciences (MPA)	Foraging birds during migratory stopovers in the New York metropolitan area
Dr. Christopher Dietrich/History (BSA)	<i>Oil Revolution: Anti-Colonial Elites and the Economic Culture of Decolonization</i>
Dr. Ayala Fader/Sociology and Anthropology (MPA)	Ultra-Orthodox Interiority, the Internet and the Crisis of Faith
Dr. Lauri Goldkind/Graduate School of Social Service (MPA)	Publication in the journal Nonprofit and Voluntary Sector Quarterly
Dr. Evon Hekkala/Biological Sciences (MPA)	Landscape Disturbance and Sporadic Hybridization Compli- cate Field Identification of Sierran Chipmunks
Dr. Robert Hume/Political Science (BSA)	Ethics and Accountability on the U.S. Supreme Court
Dr. Asato Ikeda/Art History and Music (MPA)	Envisioning Japan: Japanese Paintings and the Second World War
Dr. Michael Pirson/Management Systems (BSA)	Humanistic Management: Theory and Practice
Dr. Clara Rodriguez/Sociology and Anthropology (BSA)	America: As Seen on TV
Dr. Abigail Ross/Graduate School of Social Service (MPA)	Mediators and Moderators of a Family-Based Crisis Interven- tion for Suicidal Adolescents and their Families presenting to the Emergency Department: Implications for Implementation and Dissemination
Dr. Edward Van Buren/Philosophy (BSA)	Greek Natural Philosophy: The Presocratics To Presentday Environmental Philosophy
Dr. Larry Welborn/Theology (BSA)	Synkrisis: Comparative Approaches to Early Christianity in Greco-Roman Culture

Institutional Grant Proposal Preparation Fund (up to \$5,000 per award)

Awardees /Affiliation	Project Title
Dr. Sue-Je Cho/Graduate School of Educa-	Preparing Teachers for Children who Need Intensive Behav-
tion	ioral Interventions
Dr. Henry Han/ Computer and Infor-	Transdisciplinary Research in Principles of Data Science
mation Science	Phase I (TRIPODS).
Dr. Tiffany Yip & Dr. Monica Rivera-	Lifespan Approaches to Promoting Health and Well-being in
Mindt/ Psychology	Vulnerable Populations

Research Computing Cluster (RCC) Awards (\$14,000 in total)

In response to a series to high quality submissions, a faculty panel recommended eight Fordham faculty for the Pilot Cloud Based Research Computing Projects (PCBRCP) during summer 2017.

The projects will deal with both small and large (multi-terabyte) datasets that require up to 15,000 hours of CPU time on instances with 32-64 cores and total RAM of close to a terabyte. We congratulate these faculty and hope this computing power will serve their projects well.

Awardees	Project Description
Badr Albanna	Isolating meaningful cortical neural "code words" during behavior using a novel Information theoretic algorithm
Janet Freilich	Prophetic examples in patents
Marija Kundakovic	Epigenomic profiling of the human and mouse brain
Chaitra H. Nagaraja	An Instrumental Variable Approach to Generalizing Experimental Re- sults
Cris Poor	Non-liftable Siegel modular forms in genus two
Amy K. Roy	Developmental examination of the intrinsic functional connectivity of emotion regulation circuits
Philip Shaw	Computing nonparametric marginal effects using parallel processing to identify the impact of land use characteristics on biomass reduction in Sumatra
David Swinarski	Nef divisors on moduli spaces of curves

Fordham Faculty Fellowships & Faculty Research Grants

The Office of Research facilitated the application, review and appeals process for the Faculty Fellowship. Eighty-eight (88) faculty members received these awards.

The OR in a similar way facilitated the application and review process for the Faculty Research Grant. Thirty-one (31) faculty received these awards.

Grant Award Report for November 2016 – April 2017

Gran	t Awaro	heport for nov	vember 2016 – April 2	017
Investigator	Department	Funding Agency	Title	Total \$
Aminoff, Elissa	A&S - psy	National Science Foundation to Carnegie Mellon U.	Human Scene-Processing Characterized by Computationally-Derived Scene Pri- matives	\$62,502
Ballantyne, Nathan	A&S - phil	Templeton Foundation	Recent Work in the Science & Philoso- phy of Intellectual Humility	\$57,689
Batisti, Anita	GSE	NYC Department of Educa- tion	MTAC #1160 Special Education Devel- opment Services	\$90,000
Berkman, Cathy	GSS	NYC Department for the Ag- ing	Geriatric Mental Health Program Eval- uator	\$45,000
Buckley, John	enrollment	Bloomberg Philanthropies	Annual African American Black and Hispanic Latino Youth College Fair	\$75,000
Cahill, Edward	A&S - eng	National Endowment for the Humanities	Colonial Rising: Benjamin Franklin & Upward Mobility in British America	\$6,000
Cruise, Keith	A&S - psy	U.S. Department of Justice to Policy Research Associates, Inc.	Assessing a Trauma-Informed Decision Protocol for Jevenile Justice Practition- ers	\$35,718
Cruise, Keith	A&S - psy	Substance Abuse & Mental Health Services to U of Con- necticut Health Center	The Center for Trauma Recovery and Juvenille Justice	\$26,96
Fader, Ayala	A&S	National Endowment for the Humanities	The Internet and the NY Ultra Ortho- dox Jewish Community	\$50,400
Finnemann, Silvia	A&S - bio	National Institutes of Health - NEI	Molecular Mechanisms of Outer Seg- ment Renewal	\$360,391
Fisher, Celia	A&S - psy	National Institutes of Health / NIDA to University of Washington	Increasing AIAN Research Engagement through a Culturally Adapted Ethics Training	\$24,539
Fisher, Celia	A&S - psy	National Institutes of Health	HIV/Drug Abuse Prevention Research Ethics Training Institute	\$337,280
Franks, Steven	A&S - bio	National Science Foundation to NYU	RESEARCH-PGR: Systems Genomics of Rice Stress Adaptation	\$9,125
Galacatos, Dora	LAW	New York Bar Foundation	Advanced CLARO Training Program	\$5,000
Galactaos, Dora	LAW	Flom Foundation	Family Detention Project	\$62,500
Grey, Sarah	A&S - ml&l	National Science Foundation	Neurocognition of Speech Comprehen- sion in Social Context: Speaker Identi- fy and Listener Experience	\$90,811
Grey, Sarah	A&S - ml&l	Language Learning	Electrophysiology of Late-Learned Lan- guage: A within-subjects view from ERPs and Neural Oscillation for L2se- mantics and Graammar	\$10,000
Haddad, Samir	A&S - phil	Mellon Foundation to UC Berkeley & NWU	Hacer Escuela / Inventing School: Re- thinking the Pedagogy of Critical Theo- ry	\$56,418
Heyman, J./ Lau, K.	GSS - deans	NYS Department of Social Service to SUNY Stony Brook	Sexual Abuse Training for Child Wel- fare Staff - CC06	\$269,674
Heyman, Janna	GSS	DHHS - Administration for Children and Families to Westchester County Depart- ment of Social Services	Westchester Building Futures	\$175,628

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Heyman, Jenna	GSS	New York Community Trust	Addressing the Invisible Risks of Conmitant Alcohol and Medication Use in Older Adults: Research to Practice	\$75,000
Hornbeck, Patrick	A&S - theo	Wabash Center	Preparing Future Faculty: dimensions of Diversityh and Survey Courses	\$54,780
Horowitz, Amy	GSS	National Institutes of Health	Long Distance Caregiving: Unique Challeng- es & Service Needs	\$207,454
Koch, David	GSS	New York City Human Re- sources Administration	HASA Training Academy VI	\$295,347
Lewis / Clark / Munshi-South	A&S - bio	National Science Foundation	CR: Project TRUE (Teens Researching Urban Ecology)	\$292,766
Maresca, Elizabeth	LAW	Internal Revenue Service	Low Income Taxpayer Clinic	\$20,833
Marlowe, D. / Maschi, T.	GSS	Martin DePorres Group Homes	Developing & Sustain Trauma Informed Agency Practice	\$19,670
Miki, Yuko	A&S - his	New York Public Library / Lapi- dus Center	Fellowship: Emancipation's Shadow: Illegal Slavery in the Atlantic World	\$30,000
Miki, Yuko	A&S - his	American Philosophical Society / Franklin	Emancipation's Shadow	\$6,000
Mitra, Sophie	A&S - eco	National Institutes of Health/NIA to U. of Michigan	Economic Status, Health & Well-Being Over the Life Course & Across Generations	\$20,000
Molina, Michael	$\operatorname{provost}$	Health Resources & Services Admin. To Albert Einstein Col- lege of Medicine @ Yeshiva U.	Health Careers Opportunity Program (HCOP)	\$100,116
Molina, Michael	provost	NYS Education Department	Science & Technology Entry Program (STEP) Rose Hill	\$458,993
Molina, Michael	provost	NYS Education Department	Science & Technology Entry Program (STEP) Lincoln Center	\$337,706
Molina, Michael	provost	NYS Education Department	Collegiate Science & Technology Entry Pro- gram (CSTEP)	\$389,000
Mundy, Barbara	A&S - ah	John Carter Brown Library	Fellowship: Embodiment of the Word: Euro- pean Book Culture and New World Manu- scripts, 1540-1600	\$21,000
Munshi-South, J / Parsons, M	A&S - bio	National Pest Management Association	Rats Follow Their Noses: Using Social Struc- ture & Scent to Produce New Tools for Urban Pest Management	\$70,000
Nachbaur, Frederic	provost	National Endowment for the Humanities	Humanities Open Book Program of FU Press	\$81,381
Paul, Judith	BUS	Weigand Foundation	Technology Center Stock Ticker	\$182,190
Rosenfeld, Barry	A&S - psy	National Institutes of Health	Measurement of Prognostic Understanding in Patients with Advanced Cancer	\$196,069
Rubin, Berish	A&S - bio	FD Now	Familial Dysautonomia	\$144,108
Simons, Andrew	A&S - eco	Project Concern International	Satellite Assisted Pastoral Resource Management	\$84,758
Singleton, Charles	provost	Corporation for Public Broad- casting	WFUV Community Service Grant UNRE- STRICTED 2013-15	\$328,086
Singleton, Charles	provost	Corporation for Public Broad- casting	WFUV National Program Production & Acquisition RESTRICTED	\$115,694
Teter, Magda	A&S - his	Center for Jewish History / NEH	Blood and Paper	\$50,400
Teter, Magda	A&S - his	NY Public Library Cullman Center	Blood & Paper: Anti-Jewish Libels, Cultural Knowledge & Diplomacy in Early Modern Literature	\$70,000
Zhang, C / Huang, T	GSE	Foundation for Child Develop- ment	Implementation of NYC Universal Pre-K (UPK) Programs for Dual Language Learners	\$194,014
Zhang, Chun	GSE	US Department of Education	Enhancing Early Learning Environments and Outomes for Young Children with Disa- bilities (EEL)	\$249,980