

2018-19 NDI FACULTY RESEARCH FUNDING

Asia Research Collaboration Grant

Chaoli Wang & Daniele Schiavazzi, Computer Science & Engineering & Applied and Computational Mathematics and Statistic, SurfRiver: A Novel Framework for Comparative Analysis and Visualization of Flow Surfaces
Research Partner: Zhejiang University, China

Hsueh-Chia Chang & Satyajyoti Senapati, Chemical and Biomolecular Engineering, Assessing Manufacturability and Market Feasibility of a Diagnostic Device for Detection of Genetically Modified Crops – A Collaboration with Yuan Ze University
Research Partner: Yuan-Ze University, Taiwan

Nicholas Zabar, Center for Informatics and Computational Science, University of Hong Kong–University of Notre Dame Scientific Symposium on Mathematical, Statistical and Big-Data Challenges for Predictive Modeling of Complex Systems
Research Partner: University of Hong Kong

Prof. Dinshaw S Balsara, Physics & Applied and Computational Mathematics and Statistics, Computational Astrophysics and Computational Math of Rarefied Plasmas
Research Partners: TIFR-Bangalore and IIT-Delhi, India

Mahan Mirza, Proposal to Collaborate with Scholars from India and Pakistan to Advance Conversation between Traditional Learning and New Knowledge in Madrasa Discourses, Kroc Institute for International Peace Studies, Keough School of Global Affairs
Research Partners: Jamia Millia Islamia, India, Gift University Pakistan

Luksburg Foundation Collaboration Grant

Dr. Daniele Schiavazzi, Applied and Computational Mathematics and Statistics Uncertainty quantification of relative pressures from undersampled velocity reconstruction in 4D flow MRI
Research Partner: Pontificia Universidad Catolica de Chile (PUC)

Patrick Griffin, History/Keough-Naughton Institute for Irish Studies, Keough School of Global Affairs The Idea of a Nation and Narratives of Independence
Research Partner: Pontificia Universidad Catolica de Chile (PUC)

Ryan G. McClarren, Aerospace and Mechanical Engineering PUC/Notre Dame Workshop in Machine Learning and Uncertainty Quantification
Research Partner: Pontificia Universidad Catolica de Chile (PUC)

Cesar Sosa-Padilla, Economics, The Notre Dame – PUC Luksburg Conference on Recent Advances in Macroeconomics
Research Partner: Pontificia Universidad Catolica de Chile (PUC)

Sharon Stack, Chemistry&Biochemistry/Harper Cancer Research Institute FAT Cadherins: Novel Cell Adhesion Molecules in Ovarian Cancer Progression and Metastasis
Research Partner: Pontificia Universidad Catolica de Chile (PUC)

Timothy Scully, Paolo Carozza, Ernest Morrell, Robert Dowd, Nicole Garnett, Ernest Morrell, Institute for Educational Initiatives & Kellogg Institute Global Catholic Education: Setting and Expanding a Social Science Research Agenda
Research Partner: Pontificia Universidad Catolica de Chile (PUC)

Mexico Research Collaboration Grant

Jaime M. Pensado, History, Student Activism and State Repression in Mexico during the Global Sixties
Research Partner: Cinvestav, Mexico

Therese Cory, Philosophy Department, Thomas Aquinas and the Abrahamic Traditions
Research Partner: Universidad Panamericana, Mexico
Clemens Sedmak, Center for Social Concerns & Keogh School for Global Affairs, Operationalizing the Common Good
Research Partners: Universidad Popular Autónoma del Estado de Puebla, Mexico

Sch lindwein Family Tel Aviv University – Notre Dame Research Collaboration Grant

Gretchen Reydams-Schilis, Michael Novick. Program of Liberal Studies & Theology, Interpretive Cultures of Late Antiquity: Hellenistic, Roman, Jewish and Christian Perspectives
Research Partner: Ishay Roshen-Zvi, Department of Hebrew Culture

The Insider Project

Jason Ruiz, American Studies, Beyond Narcos: Colombia from the War on Drugs to the Coming Peace

Kevin Walsh, Civil & Environmental Engineering & Earth Sciences, Natural hazards risk, life cycle analysis, and economic consequence of masonry building loss in an Alpine fault earthquake: A Short-term faculty-student collaboration opportunity for undergraduates in New Zealand

Other Current Awardees

Sharon Hu Xiago, Computer Sc. & Eng., *Asia Research Collaboration Grant*
Michael Niemier, Computer Sc. & Eng., *Asia Research Collaboration Grant*
Suman Datta, Electrical Eng., *Asia Research Collaboration Grant*
Pengjie Gao, Finance, *Asia Research Collaboration Grant*
Umesh Garg, Physics, *Asia Research Collaboration Grant*
Khachatur Manukyan, Physics, *Asia Research Collaboration Grant*
Ani Aprahamian, Physics *Asia Research Collaboration Grant*
Sylvia Ptasinska, Physics, *Asia Research Collaboration Grant*
Yiyu Shi, Computer Sc. & Eng., *Asia Research Collaboration Grant*
Haifeng Gao, Chemistry & Biochemistry, *Asia Research Collaboration Grant*
Bradley Smith, Chemistry & Biochemistry, *Asia Research Collaboration Grant*
Sarah Mustillo, Sociology, *Global Collaboration Initiative Award*
Kathleen Sprows Cummings, History, *Global Collaboration Initiative Award*
Sophie White, African & African American Studies, *Global Collaboration Initiative Award*
Danny Z. Chen, Computer Sc. & Eng., *Global Collaboration Initiative Award*
Ashish Sharma, Civil & Envir. Eng. & Earth Sc., *Global Collaboration Initiative Award*
Gabriel Said Reynolds, Theology, *Global Collaboration Initiative Award*
Masaru Kuno, Chemistry & Biochemistry, *Global Collaboration Initiative Award*
Greg Hartland, Chemistry & Biochemistry, *Global Collaboration Initiative Award*
Prashant Kamat, Chemistry & Biochemistry, *Global Collaboration Initiative Award*
Chaoli Wang, Computer Sc. & Eng., *Global Collaboration Initiative Award*
Gregory Snider, Electrical Eng., *Global Collaboration Initiative Award*
Alexi O. Orlov, Electrical Eng., *Global Collaboration Initiative Award*
Michael Defletsen, Philosophy, *Global Collaboration Initiative Award*
Timothy Beers, Physics, *Luksburg Foundation Collaboration Award*
Peter Garnevich, Physics, *Luksburg Foundation Collaboration Award*
Christopher Howk, Physics, *Luksburg Foundation Collaboration Award*
Maria Rosa Olivera-Williams, Romance Languages & Literatures, *Luksburg foundation Collaboration Award*
Kenneth Cecire, Physics, *Luksburg Foundation Collaboration Award*

Mitchell Wayne, Physics, *Luksburg Foundation Collaboration Award*
Yiyu Shi, Computer Sc. & Eng., *Luksburg Foundation Collaboration Award*
Sylvia Ptasinska, Physics, *Luksburg Foundation Collaboration Award*
Allen Oliver, Chemistry & Biochemistry, *Luksburg Foundation Collaboration Award*
Slavi C. Sevov, Chemistry & Biochemistry, *Luksburg Foundation Collaboration Award*
Vlad M. Iluc, Chemistry & Biochemistry, *Luksburg Foundation Collaboration Award*
Anton Juan, FTT, *Luksburg Foundation Collaboration Award*
Anne Garcia-Romero, FTT, *Luksburg Foundation Collaboration Award*
A. Nilesh Fernando, Economics, *Luksburg Foundation Collaboration Award*
Matthew Gursky, Mathematics, *Luksburg Foundation Collaboration Award*
Guillermo Trejo, Political Science, *Mexico Research Collaboration Grant*
Graham Peaslee, Physics, *Mexico Research Collaboration Grant*
Michael Wiescher, Physics, *Mexico Research Collaboration Grant*
Mitchell Wayne, Physics, *Mexico Research Collaboration Grant*
Kenneth Cecire, Physics, *Mexico Research Collaboration Grant*
Antonio Delgado, Physics, *Mexico Research Collaboration Grant*
Richard E. Taylor, Chemistry & Biochemistry, *Mexico Research Collaboration Grant*
Sharhriar Mobashery, Chemistry & Biochemistry, *Mexico Research Collaboration Grant*
Mayland Chang, Chemistry & Biochemistry, *Mexico Research Collaboration Grant*
Olaf Wiest, Chemistry & Biochemistry, *Mexico Research Collaboration Grant*
John Paul Grieco, Biological Sciences, *Mexico Research Collaboration Grant*
Paul Helquist, Chemistry & Biochemistry, *Mexico Research Collaboration Grant*
Rob Nerenberg, Civil & Environmental Engineering & Earth Sciences, *Mexico Research Collaboration Grant*
Jonathan K. Whitmer, Chemical & Biomolecular Engineering, *Mexico Research Collaboration Grant*
William A. Phillip, Chemical & Biomolecular Engineering, *Mexico Research Collaboration Grant*
Jennifer L. Schaefer, Chemical & Biomolecular Engineering, *Mexico Research Collaboration Grant*
William F. Schneider, Chemistry & Biochemistry, *Mexico Research Collaboration Grant*
Matthew J. Webber, Chemical and Biomolecular Engineering, *Mexico Research Collaboration Grant*
Jeremiah J. Zartman, Chemical and Biomolecular Engineering, *Mexico Research Collaboration Grant*
Hsueh-Chia Chang, Chemical and Biomolecular Engineering, *Mexico Research Collaboration Grant*
David Go, Aerospace & Mechanical Engineering, *Mexico Research Collaboration Grant*
Anne Venter, Psychology, *The Insider Project*
Mathias Pabsch, German & Russian Languages & Literature, *The Insider Project*
Denise DellaRossa, German & Russian Languages & Literature, *The Insider Project*
Ted Barron, Performing Arts Administrative, *The Insider Project*