



EXCELLENCE

IN

RESEARCH

AWARDS DINNER

NOVEMBER 18, 2013

2013

HERBERT NEWBY
McCOY AWARD

PURDUE
UNIVERSITY



2013
HERBERT
NEWBY
MCCOY
AWARD

ANDREW M. WEINER

*Scifres Family Distinguished Professor of
Electrical and Computer Engineering*

McCOY AWARD

2013

HERBERT NEWBY
McCOY AWARD

PURDUE
UNIVERSITY

2013
RESEARCH
AND SCHOLARSHIP
DISTINCTION AWARD

PURDUE
UNIVERSITY



2013
RESEARCH
AND
SCHOLARSHIP
DISTINCTION
AWARD

Thomas Hertel

*Distinguished Professor of Agricultural
Economics*

RESEARCH AND SCHOLARSHIP
DISTINCTION AWARD

2013
RESEARCH
AND SCHOLARSHIP
DISTINCTION AWARD

PURDUE
UNIVERSITY

HERBERT NEWBY
McCOY AWARD
began in 1965

PURDUE
UNIVERSITY

PAST MCCOY AWARD WINNERS IN ATTENDANCE



Dale
Margerum
1983



Laszlo
Gutay
1984



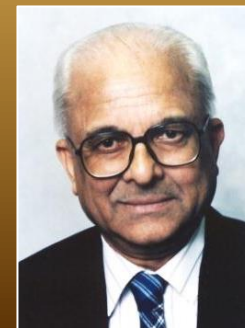
Austen
Angell
1987



William
Cramer
1988



Graham
Cooks
1990



Anant
Ramdas
1994



Ray
Bressan
1999



Stanton
Gelvin
2004



Scott
Mcluckey
2008



Vladimir
ShalaeV
2009



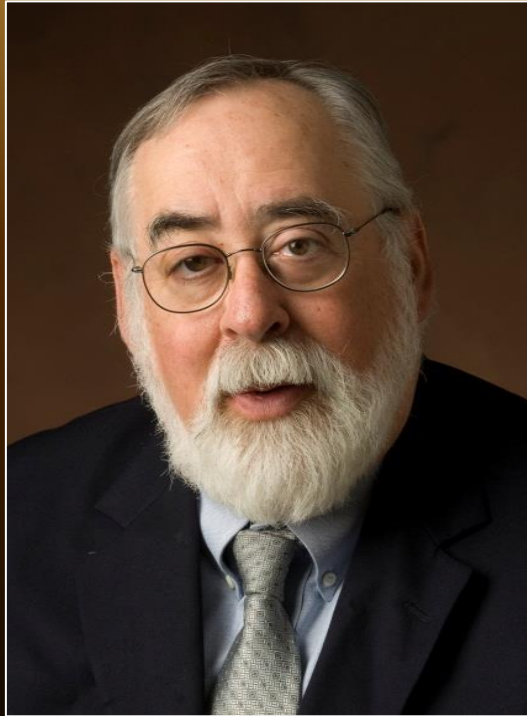
Clint
Chapple
2011



Connie
Weaver
2012

McCOY AWARD

2013 MORRILL AWARDEES



George Bodner



Randy Roberts

MORRILL AWARD



EXCELLENCE

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NOVEMBER 18, 2013

UNIVERSITY RESEARCH AWARDS

JULY 2012-JUNE 2013

PURDUE
UNIVERSITY



Connie Weaver

COLLEGE OF AGRICULTURE

Spirit of the Land-Grant Mission
Award

UNIVERSITY RESEARCH AWARDS

COLLEGE OF AGRICULTURE

Purdue University
Agricultural Research Award



Mario Feruzzi

UNIVERSITY RESEARCH AWARDS

COLLEGE OF EDUCATION

Dept. of Educational Studies

Outstanding Faculty Discovery
Award, Professor Level



Marcia Gentry

UNIVERSITY RESEARCH AWARDS



Teresa Taber Doughty

COLLEGE OF EDUCATION

Dept. of Educational Studies

Outstanding Faculty Discovery
Award, Associate Level

UNIVERSITY RESEARCH AWARDS

COLLEGE OF EDUCATION

Dept. of Educational Studies

Outstanding Faculty Discovery
Award, Assistant Level



Yukino Maeda

UNIVERSITY RESEARCH AWARDS



COLLEGE OF ENGINEERING

Early Career Research Award

Zheng Ouyang

UNIVERSITY RESEARCH AWARDS

COLLEGE OF ENGINEERING

Research Award



Robert Lucht

UNIVERSITY RESEARCH AWARDS



Marianne Boruch

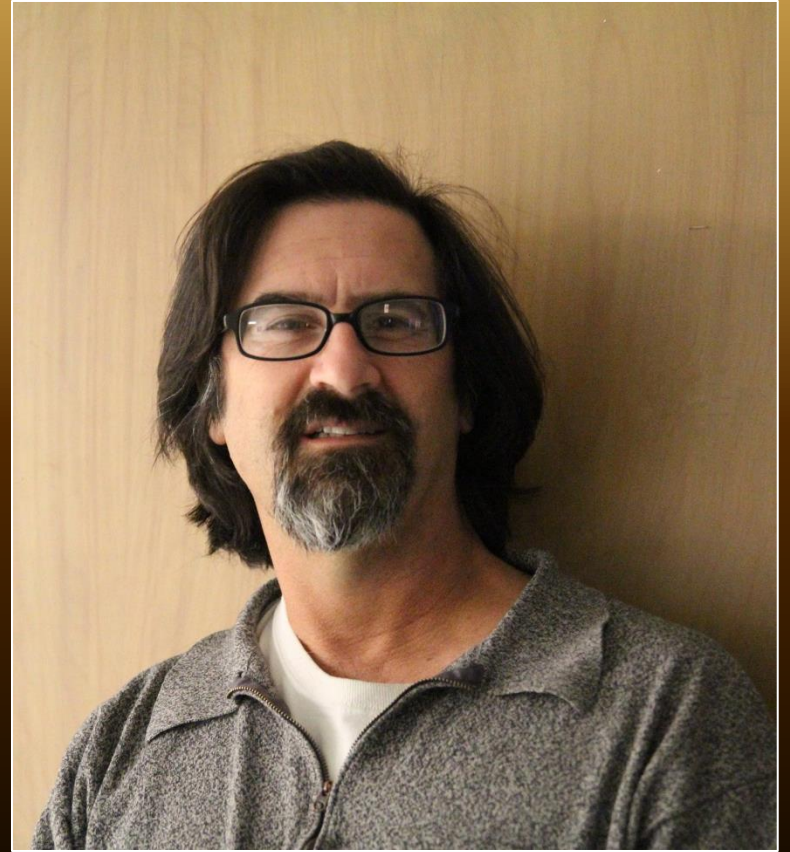
COLLEGE OF LIBERAL ARTS

Discovery Excellence Award for
the Creative Arts

UNIVERSITY RESEARCH AWARDS

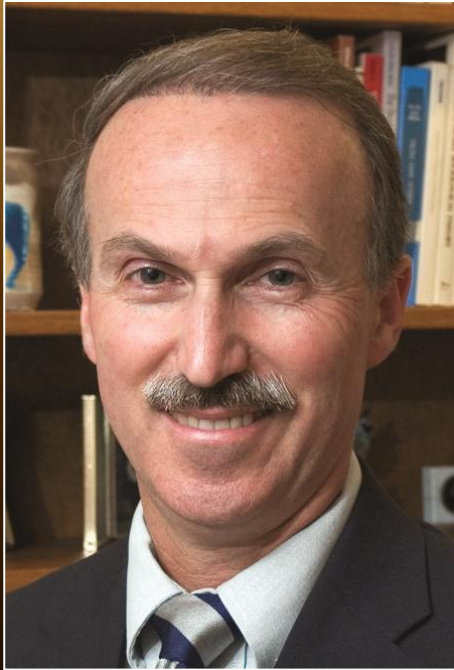
COLLEGE OF LIBERAL ARTS

Discovery Excellence Award for
the Humanities



Daniel Morris

UNIVERSITY RESEARCH AWARDS



Kenneth Ferraro

COLLEGE OF LIBERAL ARTS

Discovery Excellence Award for
the Social Sciences

UNIVERSITY RESEARCH AWARDS

COLLEGE OF HEALTH AND
HUMAN SCIENCES

Early Career Research
Achievement Award



Michael G. Heinz

UNIVERSITY RESEARCH AWARDS



Donald R. Lynam

COLLEGE OF HEALTH AND
HUMAN SCIENCES

Career Research Achievement
Award

UNIVERSITY RESEARCH AWARDS

COLLEGE OF HEALTH AND
HUMAN SCIENCES

Inaugural Award for Excellence in
Family Research



Aryn Dotterer

UNIVERSITY RESEARCH AWARDS



Carol Post

COLLEGE OF PHARMACY

JeanAnne D. and James P. Chaney,
Research and Scholarship
Achievement Award

UNIVERSITY RESEARCH AWARDS

COLLEGE OF SCIENCE
Research Award
Biological Sciences



Esteban Fernandez-Juricic

UNIVERSITY RESEARCH AWARDS



Matthew Lister

COLLEGE OF SCIENCE

Research Award

Physics

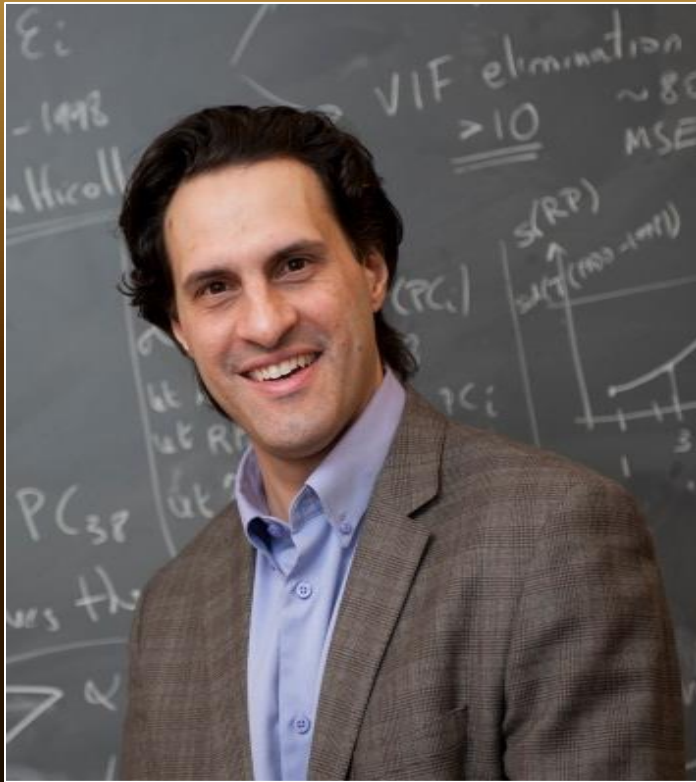
UNIVERSITY RESEARCH AWARDS

COLLEGE OF SCIENCE
Research Award
Mathematics



Jie Shen

UNIVERSITY RESEARCH AWARDS



Frederi Viens

COLLEGE OF SCIENCE

Research Award
Statistics

UNIVERSITY RESEARCH AWARDS

COLLEGE OF TECHNOLOGY

Outstanding Faculty in
Discovery Award



Eric Matson

UNIVERSITY RESEARCH AWARDS



Joanne B. Messick

COLLEGE OF VETERINARY
MEDICINE

2013 Zoetis (formerly PFiZER)
Research Award

UNIVERSITY RESEARCH AWARDS

COLLEGE OF VETERINARY MEDICINE

Excellence in Research Award



**Ourania
Andrisani**

UNIVERSITY RESEARCH AWARDS



Andrea Santos

COLLEGE OF VETERINARY
MEDICINE

Research Staff Award

UNIVERSITY RESEARCH AWARDS



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SEED FOR SUCCESS
AWARDS

PURDUE
UNIVERSITY



Angela Abbott



Melissa Maulding

Angela R. Abbott; Melissa K. Maulding, from U.S.
Department of Agriculture, *Indiana Family Nutrition
Program Plan, \$10,158,347*

SEED FOR SUCCESS AWARDS



Joerg Appenzeller



Zhihong Chen



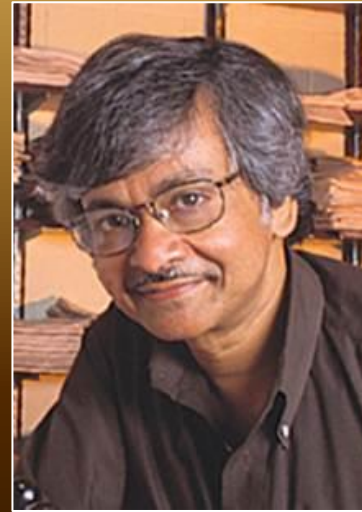
Gerhard Klimeck

Joerg Appenzeller; Zhihong Chen; Gerhard Klimeck from Defense Advanced Research Projects Agency, *Center for Low Energy Systems Technology (LEAST)*, \$3,250,917

SEED FOR SUCCESS AWARDS



Joerg Appenzeller



Supriyo Datta

Joerg Appenzeller; Supriyo Datta, from
Microelectronic Advanced Research Corporation,
Function Accelerated nano-material Engineering
(FAME), \$1,801,000

SEED FOR SUCCESS AWARDS



James Braun



Qingyan Chen



William Horton



Jianghai Hu



Panagiota Karava



Athanasios Tzempelikos

James E. Braun; Qingyan Chen; William T. Horton; Jianghai Hu; Panagiota Karava; Athanasios Tzempelikos, from U.S. Department of Energy, *Energy Efficient Building Systems Regional Innovation Cluster Initiative, \$3,116,834*

SEED FOR SUCCESS AWARDS



Barrett S. Caldwell

Barrett S. Caldwell, from National Aeronautics And
Space Administration, *Indiana Space Grant
Consortium Five Year Renewal Proposal for Activity
Years 20-24, \$3,145,000*

SEED FOR SUCCESS AWARDS



Clint Chapple



Natalia Doudareva



John A. Morgan

Clint Chapple; Natalia Doudareva; John A. Morgan, from, U.S. Department of Energy,
*Modeling and Manipulating Phenylpropanoid
Pathway Flux for Bioenergy, \$5,274,045*

SEED FOR SUCCESS AWARDS



Weinong W. Chen

Weinong W. Chen, from Army Research Office,
*Multiscale Experiments and Computational Modeling
of Transparent Ceramic and Glass Armors, \$1,360,000*

SEED FOR SUCCESS AWARDS



William A. Crossley



Chien-Tsung Lu



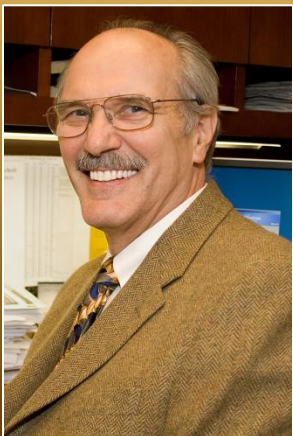
Mary Johnson



Karen Marais

William A. Crossley; Chien-Tsung Lu; Mary Johnson; Karen Marais, from Federal Aviation Administration, *Partnership to Enhance General Aviation Safety, Accessibility, and Sustainability (PEGASAS)*, \$2,500,000

SEED FOR SUCCESS AWARDS



W. Nicholas Delgass



Mahdi M. Abu-Omar



James M. Caruthers



Jeffrey Greeley



Fabio H. Ribeiro



Kendall T. Thomson

W. Nicholas Delgass; Mahdi M. Abu-Omar; James M. Caruthers; Jeffrey Greeley; Fabio H. Ribeiro, Kendall T. Thomson, from U.S. Department of Energy, *Catalyst Design by Discovery Informatics*, \$7,034,257

SEED FOR SUCCESS AWARDS



William E. Field



Paul J. Jones

William E. Field; Paul J. Jones, from U.S.
Department of Agriculture, *National AgrAbility
Project*, \$2,009,968

SEED FOR SUCCESS AWARDS



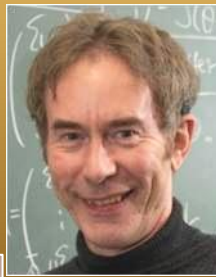
John Finley



Wei Cui



Luis Kruczenski



Ian Shipsey



Daniela Bortoletto



Sergei Khlebnikov



Norbert Neumeister

**John P. Finley; Daniela Bortoletto; Wei K. Cui;
Sergei Khlebnikov; Luis M. Kruczenski;
Norbert Neumeister; Ian P. Shipsey, from U.S.
Department of Energy, *An Experimental and
Theoretical High Energy Physics Program,*
\$5,044,000**

SEED FOR SUCCESS AWARDS



Elliot M. Freidman



Sharon L. Christ

Elliot M. Friedman; Sharon L. Christ, from
National Institute on Aging, *Living Well with
Later Life Multimorbidity: a Biopsychosocial
Approach*, \$1,210,390

SEED FOR SUCCESS AWARDS



Suresh V. Garimella



David B. Janes



Dimitrios Peroulis



Justin A. Weibel

Suresh V. Garimella; David B. Janes; Dimitrios Peroulis; Justin A. Weibel, from Defense Advanced Research Projects Agency, *Microcooling for Intensely Concentrated Electronics (MicroICE) An Intrachip Approach, \$1,613,611*

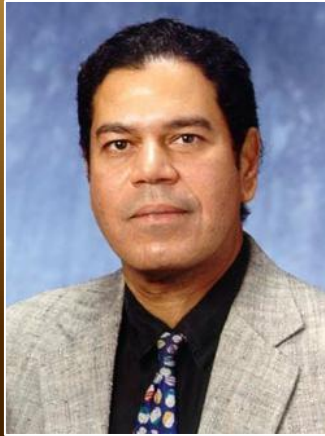
SEED FOR SUCCESS AWARDS



John Haddock

John Haddock, from U.S. Department of
Transportation, *2013 Local Technical Assistance
Program Work Plan, \$1,291,800*

SEED FOR SUCCESS AWARDS



Ahmed Hassanein



Audeen W. Fentiman



Sivanandan Harilal

**Ahmed Hassanein; Audeen W. Fentiman;
Sivanandan Harilal**, from National Science
Foundation, *PIRE: Nuclear Energy Systems and
Materials under Extreme Conditions*, \$3,916,844

SEED FOR SUCCESS AWARDS



Ahmed Hassanein



Jere H. Jenkins

Ahmed Hassanein; Jere H. Jenkins, from U.S.
Department of Energy, *Significant Upgrade and
Safety Enhancement of the Instrumentation and
Control Systems of the Purdue University Reactor*,
\$1,276,812

SEED FOR SUCCESS AWARDS



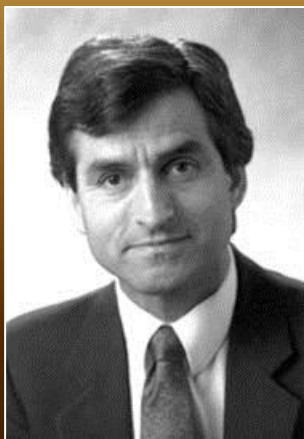
Marlene O. Heeg

Marlene O. Heeg, from Salix Pharmaceuticals, Inc.,
*Hepatology Centers of Expertise National Educational
Initiative, \$2,000,000*

SEED FOR SUCCESS AWARDS



Peter M. Hirst



Avinash C. Kak



Johnny Park

**Peter M. Hirst; Avinash C. Kak; Johnny Park, from
U.S. Department of Agriculture, *Automation of
Dormant Pruning of Specialty Crops*, \$3,027,747**

SEED FOR SUCCESS AWARDS



Christine A. Hrycyna



Amy L. Davidson

Christine A. Hrycyna; Amy L. Davidson, from
National Institute of General Medical Sciences,
*Structure, Function and Conformational Dynamics of
the Ste14p Methyltransferase, \$1,389,326*

SEED FOR SUCCESS AWARDS



Pedro Irazoqui

Pedro Irazoqui, from Cyberonics, Inc., *Cyberonics-
Technology Development Plan*, \$1,017,756

SEED FOR SUCCESS AWARDS



Monika Ivantysynova



John H. Lumkes Jr



Andrea Vacca

Monika Ivantysynova; John H. Lumkes, Jr.; Andrea Vacca, from National Science Foundation,
Engineering Research Center (ERC) for Compact and Efficient Fluid Power; Y7-Y10, \$5,008,474

SEED FOR SUCCESS AWARDS



William G. Johnson

William G. Johnson, from United Soybean Board,
*Development of Branded Educational Programs to
Manage and Mitigate Herbicide Resistant Weeds,*
\$1,337,916

SEED FOR SUCCESS AWARDS



Gerhard Klimeck



Michael J. McLennan



Lynn K. Zentner



Victoria A. Farnsworth



Krishna Madhvan



Michael G. Zentner

Gerhard Klimeck; Victoria A. Farnsworth; Michael J. McLennan; Krishna Madhavan; Lynn K. Zentner; Michael G. Zentner, from National Science Foundation, *Network for Computational Nanotechnology - Cyber Platform*, \$14,500,000

SEED FOR SUCCESS AWARDS



Milind Kulkarni



Samuel P. Midkiff



Vijay S. Pai



Arun Prakash

**Milind Kulkarni; Samuel P. Midkiff; Vijay S. Pai;
Arun Prakash**, from U.S. Department of Energy,
*SLEEC: Semantics-rich Libraries for Effective Exascale
Computation, \$1,200,000*

SEED FOR SUCCESS AWARDS



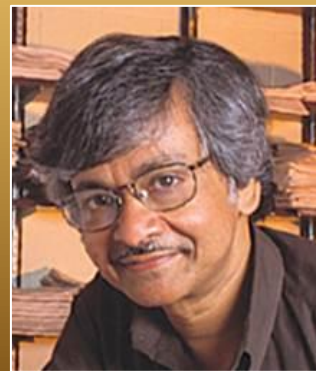
Mark S. Lundstrom



Muhammad A. Alam



Zhihong Chen



Supriyo Datta



Pedro Irazoqui



Anand Raghunathan



Kaushik Roy



Ali Shakouri

**Mark S. Lundstrom; Muhammad A. Alam; Zhihong
Chen; Supriyo Datta; Pedro Irazoqui; Anand
Raghunathan; Kaushik Roy; Ali Shakouri, from
National Science Foundation, *Network for
Computational Nanotechnology - NEEDS Node,*
\$3,575,300**

SEED FOR SUCCESS AWARDS



Mark Lundstrom



Rakesh Agrawal



Muhammad Alam



Suresh Garimella



Pankaj Sharma

Mark S. Lundstrom; Rakesh Agrawal; Muhammad A. Alam; Suresh V. Garimella; Pankaj Sharma,
from National Renewable Energy Laboratory, *Solar Energy Research Institute for India and the United States (SERIIUS), \$1,274,981*

SEED FOR SUCCESS AWARDS



Renee K. McKee



Shelley Macdermid

Renee K. McKee; Shelley Macdermid Wadsworth,
from U.S. Department of Defense, *Military -*
Extension Partnership Overall Leadership, \$1,363,636

SEED FOR SUCCESS AWARDS



Renee K. McKee

Renee K. McKee, from U.S. Department of
Agriculture, *Military - Extension Internship
Program, \$1,500,000*

SEED FOR SUCCESS AWARDS



Renee K. McKee

Renee K. McKee, from U.S. Department of Defense,
Community, Family and Youth Extension Program,
\$2,500,000

SEED FOR SUCCESS AWARDS



Kevin McNamara



Dieudonne Baributsa



Ricky E. Foster

Kevin McNamara; Dieudonne Baributsa; Ricky E. Foster, from U.S. Department of Agriculture,
Building a New Partnership: MAIL Extension Services Engage the Afghan Farmer, \$2,925,000

SEED FOR SUCCESS AWARDS



Michael James Manfra



Gabor Csathy



David Johnson



Kevin Trumble

Michael James Manfra; Gabor A. Csathy; David R. Johnson; Kevin P. Trumble, from W.M. Keck, Foundation, *200 Million Mobility 2DEGs: Pushing Materials to the Extreme*, \$1,000,000

SEED FOR SUCCESS AWARDS



Lisa J. Mauer



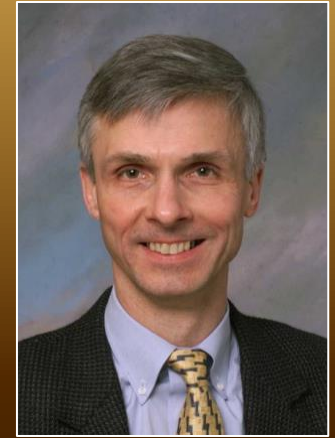
Bruce M. Applegate



Arun K. Bhunia



Joseph M. Irudayaraj



Michael R. Ladisch

**Lisa Mauer; Bruce M. Applegate; Arun K. Bhunia;
Joseph M. Irudayaraj; Michael R. Ladisch, from
U.S. Department of Agriculture, *Food Safety, Office of
Scientific Quality Review (OSQR), \$2,569,590***

SEED FOR SUCCESS AWARDS



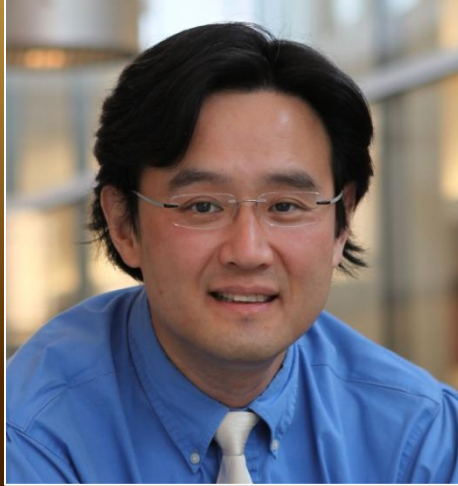
David D. Nolte



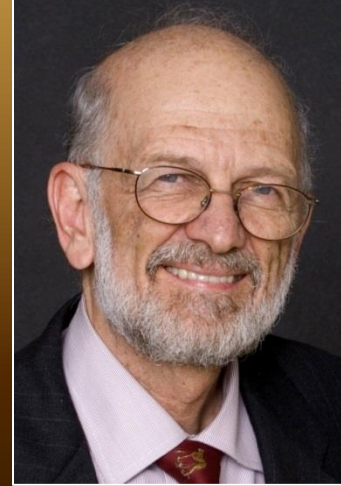
John J. Turek

David D. Nolte; John J. Turek, from National
Institute of Biomedical Imaging and Bioengineering,
*Tissue-dynamics Imaging for Therapeutic Efficacy in
Ovarian Cancer*, \$1,326,289

SEED FOR SUCCESS AWARDS



Zheng Ouyang



Graham Cooks

Zheng Ouyang; R. Graham Cooks, from National
Institute of General Medical Sciences, *Development of
a Point-of-Care Mass Spectrometry Analysis System*,
\$1,081,381

SEED FOR SUCCESS AWARDS



Srinivas Peeta

Srinivas Peeta, from U.S. Department of
Transportation, *NEXTRANS - Integrated and
Sustainable Transportation Solutions: From Concepts to
Deployment, \$6,897,600*

SEED FOR SUCCESS AWARDS



Linda S. Prokopy



Otto C. Doering



Benjamin M. Gramig



Devdutta S. Niyogi



Xiaohui Carol Song

Linda S. Prokopy; Otto C. Doering; Benjamin M. Gramig; Devdutta S. Niyogi; Xiaohui Carol Song,
from U.S. Department of Agriculture, *Useful to Usable (U2U): Transforming Climate Variability and Change Information for Cereal Crop Producers,*
\$5,000,000

SEED FOR SUCCESS AWARDS



Julio A. Ramirez



Saurabh Bagchi



Sean Brophy



Shirley Dyke



Rudolf Eigenmann



Barbara Fossum



Thomas J. Hacker



Ayhan Irfanoglu



Santiago Pujol

**Julio Alfonso Ramirez; Saurabh Bagchi; Sean Brophy;
Shirley Dyke; Rudolf Eigenmann; Barbara Fossum; Thomas
J. Hacker; Ayhan Irfanoglu; Santiago Pujol, from National
Science Foundation, *the George E. Brown, Jr. Network for
Earthquake Engineering Simulation Operations, \$105,000,000***

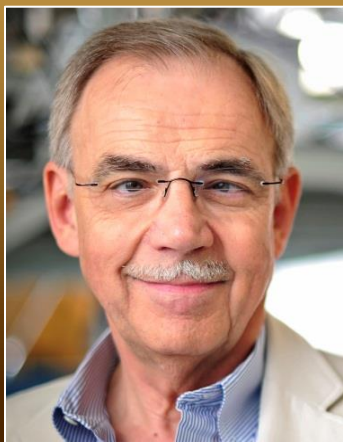
SEED FOR SUCCESS AWARDS



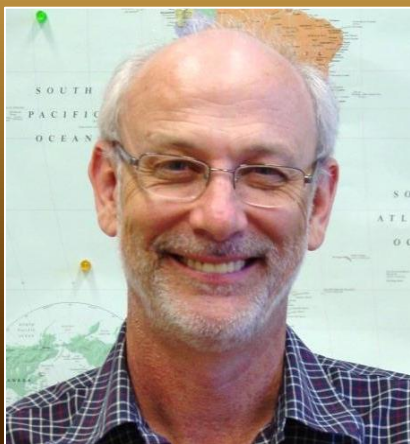
Timothy L. Ratliff

Timothy L. Ratliff, from National Cancer Institute,
Cancer Center Support Grant – Core, \$6,384,851

SEED FOR SUCCESS AWARDS



Gintaras V. Reklaitis



James D. Litster



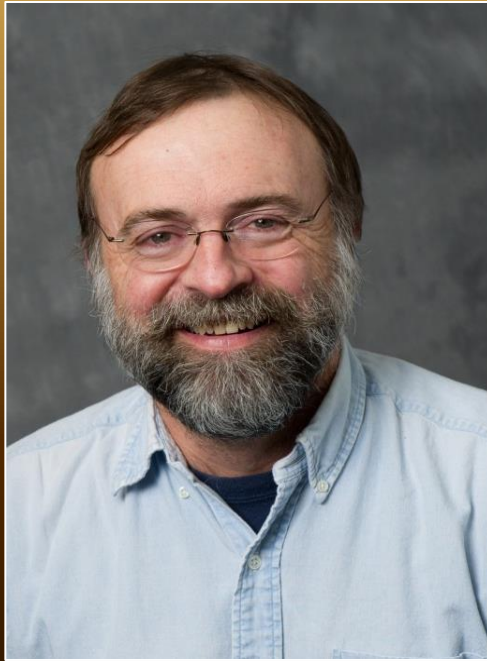
Lynne S. Taylor



Carl R. Wassgren, Jr.

Gintaras V. Reklaitis; James D. Litster; Lynne S. Taylor; Carl R. Wassgren, Jr., from National Science Foundation, *Engineering Research Center on Structural Organic Composites, \$7,592,652*

SEED FOR SUCCESS AWARDS



Torbert R. Rocheford

Torbert R. Rocheford, from National Science Foundation, *Natural Variation and Drought Responses in Maize Inflorescence Development*, \$1,041,903

SEED FOR SUCCESS AWARDS



Michael G. Rossmann



Richard J. Kuhn

Michael G. Rossmann; Richard J. Kuhn, from
National Institute of Allergy and Infectious Diseases,
Structure and Function of Flaviviruses, \$2,872,037

SEED FOR SUCCESS AWARDS



Kaushik Roy

Kaushik Roy, from Defense Advanced Research
Projects Agency, *Embedded POWER Optimized
Systems Using Near and Super-threshold Computing
Fabric (EMPOWER), \$1,217,284*

SEED FOR SUCCESS AWARDS



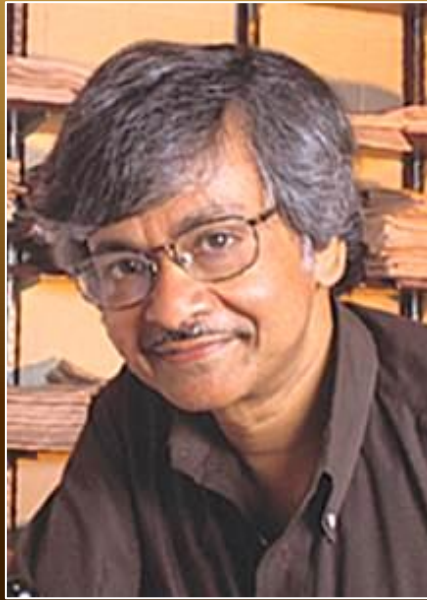
Kaushik Roy

Kaushik Roy, from Defense Advanced Research
Projects Agency, *Unconventional Processing of
Signals for Intelligent Data Exploitation (UPSIDE)*,
\$1,849,940

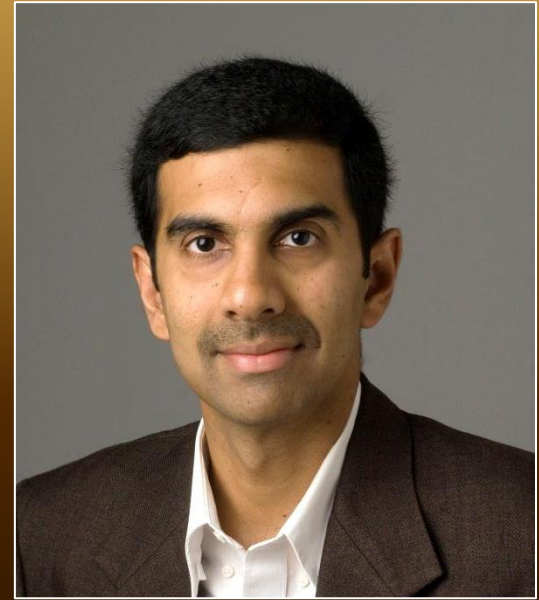
SEED FOR SUCCESS AWARDS



Kaushik Roy



Supriyo Datta



Anand Raghunathan

Kaushik Roy; Supriyo Datta; Anand Raghunathan,
from Microelectronics Advanced Research Corp.,
Center for Spintronic Materials, Interfaces and Novel
Architectures (C-SPIN), \$2,299,200

SEED FOR SUCCESS AWARDS



Garth J. Simpson

Garth J. Simpson, from National Institute of
General Medical Science, *Ultrafast Nonlinear
Optical Approaches toward High-Throughput
Membrane Protein Nanocrystal Detection*, \$1,111,451

SEED FOR SUCCESS AWARDS



Jeffrey M. Siskind

Jeffrey M. Siskind, from U.S. Department of
Defense, *Robust and Principled Visual Intelligence*,
\$6,000,000

SEED FOR SUCCESS AWARDS



M.J.T. Smith

M. J. T. Smith, from National Science Foundation,
Graduate Research Fellowship Program (GRFP),
\$1,069,500

SEED FOR SUCCESS AWARDS



Anne Smith



Sharon L. Christ



Anu Subramanian



Christine M. Weber-Fox



Donald Lynam



Bridget M. Walsh

Anne Smith; Christine M. Weber-Fox; Sharon L. Christ; Donald R. Lynam; Anu Subramanian; Bridget M. Walsh, from National Institutes on Deafness and Other Communicative Disorders, *Physiological Correlates of Stuttering*, \$3,037,382

SEED FOR SUCCESS AWARDS



Xiaohui Carol Song

Xiaohui Carol Song, from National Science
Foundation, *XSEDE: Extreme Science and
Engineering Discovery Environment*, \$2,530,000

SEED FOR SUCCESS AWARDS



Wojciech
Szpankowski



Rakesh
Agrawal



Ruben C.
Aguilar



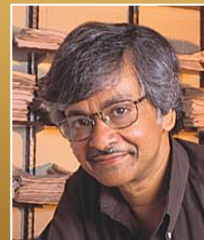
Muhammad
A. Alam



Mikhail J.
Atallah



Clifton W.
Bingham



Supriyo
Datta



Suresh V.
Garimella



Ananth Y.
Grama



Suresh
Jagannathan



Aditya P.
Mathur



Jennifer L.
Neville



Zygmunt
Pizlo



Yuan
Qi



Doraiswami
Ramkrishna



Vernon J.
Rego



Pankaj
Sharma



Mark Daniel
Ward

Wojciech Szpankowski; Rakesh Agrawal; Ruben C. Aguilar;
Muhammad A. Alam; Mikhail J. Atallah; Clifton W. Bingham;
Supriyo Datta; Suresh V. Garimella; Ananth Y. Grama; Suresh
Jagannathan; Aditya P. Mathur; Jennifer L. Neville; Zygmunt
Pizlo; Yuan Qi; Doraiswami Ramkrishna; Vernon J. Rego; Pankaj
Sharma; Mark D. Ward, from National Science Foundation,
Emerging Frontiers of Science of Information, (STC) \$25,000,000

SEED FOR SUCCESS AWARDS



Alejandro H. Strachan

Alejandro H. Strachan, from U.S. Department of Defense, *Shock wave energy dissipation (SWED) by mechanochemically-active nanoporous materials*,
\$1,220,886

SEED FOR SUCCESS AWARDS



Daniel M. Suter

Daniel M. Suter, from National Science Foundation,
*Nanomechanics of Src signaling in neuronal growth
cones, \$1,041,631*

SEED FOR SUCCESS AWARDS



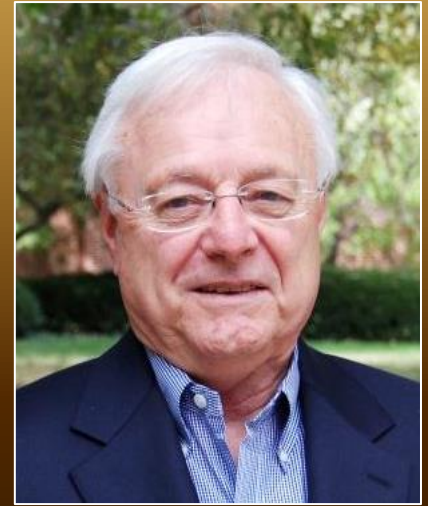
Elizabeth M. Topp



Markus Lill



Chiwook Park



Fred Regnier

**Elizabeth M. Topp; Markus A. Lill; Chiwook Park;
Fred E. Regnier**, from National Institute of General
Medical Sciences, *Protein Aggregation in Amorphous
Solids*, \$1,190,102

SEED FOR SUCCESS AWARDS



Mitchell R. Tuinstra



Brian Dilkes



Clifford F. Weil

Mitchell R. Tuinstra; Brian Dilkes; Clifford F. Weil,
from Bill & Melinda Gates Foundation, *Developing
a Functional Gene Discovery Platform for Sorghum
Improvement, \$1,000,000*

SEED FOR SUCCESS AWARDS



Mitchell R. Tuinstra



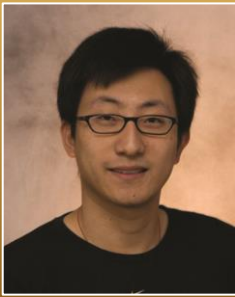
Gurmukh S. Johal

Mitchell R. Tuinstra; Gurmukh S. Johal, from
CIMMYT, International, Maize and Wheat
Improvement Center, *Heat Stress Resilient Maize*
for South Asia Through a Public Private Partnership,
\$1,129,342

SEED FOR SUCCESS AWARDS



Mark Ward



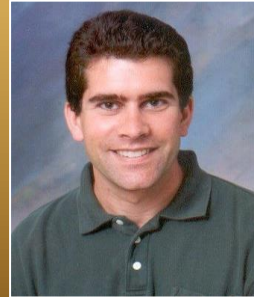
Guang Cheng



Sharon Christ



Hyonho Chun



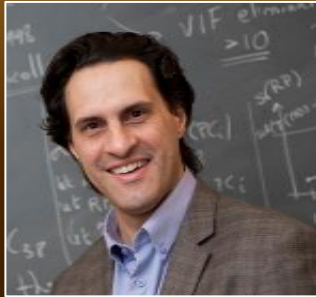
Bruce Craig



Rebecca W. Doerge



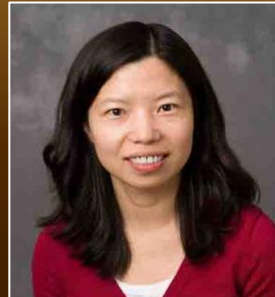
Bo Li



Frederi G. Viens



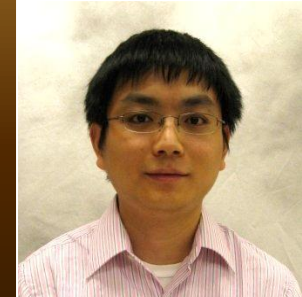
Xiao Wang



Jun Xie



Hao Zhang



Lingsong Zhang

Mark D. Ward; Guang Cheng; Sharon L. Christ; Hyonho Chun; Bruce A. Craig; Rebecca W. Doerge; Bo Li; Frederi G. Viens; Xiao Wang; Jun Xie; Hao Zhang; Lingsong Zhang,
 from National Science Foundation, *MCTP: Sophomore Transitions: Bridges into a Statistics Major and Big Data Research Experience via Learning Communities*, \$1,500,000

SEED FOR SUCCESS AWARDS



Andrew M. Weiner



Minghao Qi

Andrew M. Weiner; Minghao Qi, from Army
Armament Munition and Chemical Command,
*Integrated Coherent Comb and Line-by-Line Pulse
Shaper for RF Photonic Filtering, \$5,711,535*

SEED FOR SUCCESS AWARDS



Steve M. Witz



Kenneth Musselman

Steven M. Witz; Kenneth J. Musselman, from
Regenstrief Foundation, *Driving to Impact:*
Regenstrief Center for Healthcare Engineering,
\$10,000,000

SEED FOR SUCCESS AWARDS



Charles P. Woloshuk



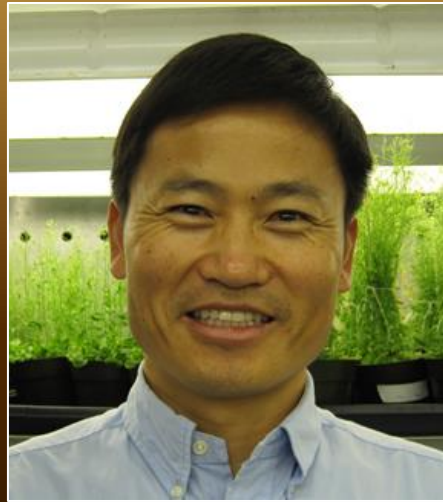
Gurmukh S. Johal



Kiersten A. Wise

Charles P. Woloshuk; Gurmukh S. Johal; Kiersten A. Wise, from U.S. Department of Agriculture,
Integrated Management Strategies for Aspergillus and Fusarium Ear Rots of Corn, \$5,349,650

SEED FOR SUCCESS AWARDS



Jian-Kang Zhu

Jian-Kang Zhu, from National Institute of General Medical Sciences, *DNA Demethylation and Transcriptional Gene Silencing*, \$1,006,826

SEED FOR SUCCESS AWARDS



EXCELLENCE

IN

RESEARCH

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*THANK YOU FOR
JOINING US THIS EVENING.*

