



MCDONNELL INTERNATIONAL  
SCHOLARS ACADEMY



 Washington University in St. Louis

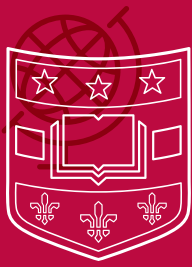




# McDONNELL INTERNATIONAL SCHOLARS ACADEMY

The Lead Initiative in Washington University's  
Globalization Strategy

ENHANCE OUR LEADERSHIP TODAY TO BENEFIT AMERICA AND  
THE WORLD TOMORROW



The McDonnell International Scholars Academy relies on partnerships with a select group of premier universities from around the world. We recruit future global leaders from these partners and mentor them as they pursue graduate and professional degrees at Washington University.

In addition, we foster collaborative research and educational efforts with the institutions in the Academy on issues such as energy and sustainability, global public health, and international understanding. The Academy is an incubator for new ideas on global networks in research and education and will pursue additional initiatives in the future.

The McDonnell Academy works closely with distinguished faculty across disciplines at Washington University and key leaders in the areas of:

AGING AND PUBLIC HEALTH | AGRICULTURE, FOOD, AND WATER  
 ARCHITECTURE | BUSINESS | DESIGN | ENGINEERING | INTERNATIONAL RELATIONS  
 LAW | MEDICINE | SCIENCES | SOCIAL WORK

## ACADEMY LEADERSHIP

### Academy Ambassadors

The Academy Ambassadors mentor Scholars and nurture the development of international cooperation among partner universities and sponsoring corporations.

### Steering Committee

The McDonnell Academy's Steering Committee consists of academic leaders at Washington University who oversee the Academy's programs and serve as an admissions committee.

### External Advisory Committee

The McDonnell Academy has a committee of external advisors to advise the Chancellor and the Academy Director on programming initiatives and on developing partnerships with research universities in other countries.

For more information on McDonnell Academy Leadership, visit [mcdonnell.wustl.edu](http://mcdonnell.wustl.edu)



McDonnell Scholars participate in a U.N. Security Council simulation at the Council on Foreign Relations during 2018 cohort trip to New York City.



**McDONNELL INTERNATIONAL SCHOLARS ACADEMY**




**APPLYING FOR ADMISSION TO THE MCDONNELL ACADEMY**

**Eligibility**

- If you are a student from a University Partner who has applied for admission to one of the eligible full-time doctoral or master’s degree programs, you may also apply for admission to the McDonnell International Scholars Academy.
- Check the list of eligible programs from each school at [mcdonnell.wustl.edu](http://mcdonnell.wustl.edu).

You must apply separately to the Academy.



“Working with its network of partner universities, the Academy encourages future leaders to form the ties today that will benefit the world tomorrow.”

— James V. Wertsch  
Director, McDonnell Academy

McDonnell Scholars after visiting the U.S. Capitol during 2017 cohort trip to Washington, D.C.

## Application Procedures

To apply to the McDonnell Academy, you must be admitted to a doctoral or master’s degree program at Washington University. The McDonnell Academy Steering Committee will examine your academic potential and your commitment to international issues and global leadership.

- Submit an application to one of Washington University’s eligible doctoral or master’s degree programs. (On the application, you should provide information on financial support or request financial assistance as if you were not applying to the Academy.)
- Apply **separately** to the McDonnell Academy. Applications are reviewed beginning February 1. More information on the application process can be found at [mcdonnell.wustl.edu](http://mcdonnell.wustl.edu).

## Support

If you are admitted to the McDonnell Academy for the current academic year, you will receive:

- Full tuition for study in a doctoral or master’s degree program. This support will continue as long as you are making satisfactory progress toward a degree within a specified amount of time.
- A 12-month living stipend for each year that you are making satisfactory progress toward a degree. This stipend is set at \$28,000 for the academic year beginning August 16.
- A one-time allowance of up to \$1,500 for travel to St. Louis to begin studies as an Academy Scholar.
- An annual travel allowance of up to \$2,000 for a trip back to your alma mater.

**IMPORTANT NOTE:** If you are admitted to a doctoral or master’s degree program but not to the McDonnell Academy, you may receive whatever financial assistance the degree program offers. If you are admitted to a degree program and to the McDonnell Academy, then our financial assistance agreement will replace that offered by the degree program. Notification of admission to the graduate or professional degree program will occur before notification of Academy admission.

## AMBASSADORS & THEIR UNIVERSITY PARTNERS

### University of Ghana

Jean Allman

J.H. Hexter Professor in the Humanities, Department of History, Arts & Sciences; Director, Center for the Humanities

### Indian Institute of Technology Bombay

Pratim Biswas

Lucy and Stanley Lopata Professor and Chair, Department of Energy, Environmental & Chemical Engineering, School of Engineering & Applied Science; Director, McDonnell Academy Global Energy & Environment Partnership (MAGEEP); Assistant Vice Chancellor for International Affairs-India

### University of Indonesia

John R. Bowen

Dunbar-Van Cleve Professor and Professor of Sociocultural Anthropology, Arts & Sciences

### The University of Queensland

Graham A. Colditz

Niess-Gain Professor; Chief, Division of Public Health Sciences, School of Medicine; Deputy Director, Institute for Public Health; Associate Director of Prevention and Control, Siteman Cancer Center

### Xi'an Jiaotong University

Guy Genin

Harold and Kathleen Faught Professor of Mechanical Engineering, Department of Mechanical Engineering & Materials Science, School of Engineering & Applied Science; Professor, Department of Neurological Surgery, School of Medicine; Yangtze River Chaired Professor, Xi'an Jiaotong University

### Hong Kong University of Science and Technology

Daniel Giammar

Walter E. Browne Professor of Environmental Engineering, Department of Energy, Environmental & Chemical Engineering, School of Engineering & Applied Science

### Fudan University

Shenyang Guo

Frank J. Bruno Distinguished Professor of Social Work Research, Brown School; Assistant Vice Chancellor for International Affairs-Greater China; Yangtze River Chaired Professor, Xi'an Jiaotong University

### National Chiao Tung University & National Taiwan University

Tuan-Hua David Ho

Professor Emeritus, Department of Biology Arts & Sciences

### China Agricultural University

Joseph Jez

Howard Hughes Medical Institute Professor and Chair, Department of Biology, Arts & Sciences

### Tsinghua University

Tao Ju

Vice Dean for Research and Professor, School of Engineering & Applied Science

### Seoul National University

Young-Shin Jun

Professor, Department of Energy, Environmental & Chemical Engineering, School of Engineering & Applied Science

### Interdisciplinary Center Herzliya

Ohad Kadan

H. Frederick Hagemann, Jr. Professor of Finance and Associate Dean for Global Degree Programs, Olin Business School

### U.S. Scholar Program

Tristram R. Kidder

Edward S. and Tedi Macias Professor and Chair, Department of Anthropology, Arts & Sciences

### Budapest University of Technology & Economics

Sándor J. Kovács, Jr.

Professor of Medicine, Adjunct Professor of Physics, and Biomedical Engineering; Director, Cardiovascular Biophysics Laboratory, School of Medicine

### Yonsei University

Jin-Moo Lee

Professor of Neurology; Director, Cerebrovascular Disease Section, Neurology, School of Medicine

### University of Chile

Tabea Linhard

Professor of Spanish and Comparative Literature, Department of Romance Languages & Literatures, Arts & Sciences

### The University of Melbourne

Jonathan Losos

William H. Danforth Distinguished Professor, Department of Biology, Arts & Sciences

### Chulalongkorn University

Mary M. McKay

Neidorff Family and Centene Corporation Dean, Brown School

### University of Hong Kong

Nancy Morrow-Howell

Bettie Bofinger Brown Distinguished Professor of Social Policy, Brown School; Director, Harvey A. Friedman Center for Aging, Institute for Public Health

“The McDonnell International Scholars Academy is Washington

University’s premier initiative in global education and collaboration,

bringing some of the world’s top graduate and professional students to

our campus in St. Louis and forging relationships around the world with

leading research institutions.”

— Chancellor Mark S. Wrighton

### Indian Institute of Technology Delhi & Jawaharlal Nehru University

Himadri Pakrasi

Myron and Sonya Glassberg/Albert and Blanche Greensfelder Distinguished University Professor, Department of Biology, Arts & Sciences; Director of International Center for Energy, Environment, and Sustainability (InCEES)

### State University of Campinas

William G. Powderly

J. William Campbell Professor of Medicine and Co-Director of the Division of Infectious Diseases, School of Medicine; Larry J. Shapiro Director, Institute for Public Health

### Tecnológico de Monterrey

Guillermo Rosas

Associate Professor, Department of Political Science, Arts & Sciences

### Technion-Israel Institute of Technology

Yoram Rudy

Fred Saigh Distinguished Professor of Engineering; Director, Cardiac Bioelectricity and Arrhythmia Center (CBAC), School of Engineering & Applied Science

### Peking University

Barbara Schaal

Mary-Dell Chilton Distinguished Professor, Department of Biology, Arts & Sciences; Dean, Faculty of Arts & Sciences

### Keio University & University of Tokyo

Larry J. Shapiro

Dean Emeritus, School of Medicine

### National University of Singapore

Michael W. Sherraden

George Warren Brown Distinguished University Professor; Director, Center for Social Development, Brown School

### Korea University

Yongseok Shin

Professor, Associate Chair, PhD Placement Director, Department of Economics, Arts & Sciences

### Tata Institute of Social Sciences

Jean-Francois Trani

Associate Professor, Brown School

### The Chinese University of Hong Kong

Ping Wang

Seigle Family Professor, Department of Economics, Arts & Sciences

### Utrecht University

Melissa A. Waters

Professor of Law, School of Law

### Boğaziçi University & Middle East Technical University

Hayrettin Yücesoy

Associate Professor of Arabic and Islamic Studies, Associate Professor of International and Area Studies, Associate Professor of History, Arts & Sciences

### Ambassador at Large for School of Engineering & Applied Science

Dedric Carter





















Professor of Practice, School of Engineering & Applied Science; Vice Chancellor for Operations and Technology Transfer

### Ambassador Emeritus

James T. Little

Donald Danforth, Jr. Distinguished Professor Emeritus of Business, Olin Business School

## GLOBAL INITIATIVES

<b>MAY 2007</b> Washington University in St. Louis	<b>DECEMBER 2008</b> Hong Kong	<b>OCTOBER 2010</b> Washington University in St. Louis	<b>DECEMBER 2012</b> Mumbai, India	<b>OCTOBER 2014</b> Washington University in St. Louis	<b>SEPTEMBER 2016</b> Brisbane, Australia	<b>OCTOBER 2018</b> Beijing, China
<p><b>1ST INTERNATIONAL SYMPOSIUM ON ENERGY &amp; ENVIRONMENT</b></p>  <p><b>Founded</b>                      McDonnell Academy                      Global Energy &amp; Environment Partnership (MAGEEP)</p> <p>MAGEEP supports the development of innovative ideas in collaborative education and a wide range of research activities in energy and environment areas.</p>  <p><b>Founded</b>                      International Center for Advanced Renewable Energy and Sustainability (I-CARES)</p> <p>This center conducts research on biofuels from plant and microbial systems and explores sustainable alternative energy and environmental systems and practices.</p> <p>The center was renamed in 2017 to reflect an increased commitment to energy and environment efforts at the university: International Center for Energy, Environment and Sustainability (InCEES)</p>	<p><b>2ND INTERNATIONAL SYMPOSIUM ON ENERGY &amp; ENVIRONMENT</b></p>  <p><b>Founded</b>                      Consortium for Clean Coal Utilization (CCCU)</p> <p>Conducts research in advanced coal and carbon capture technologies. The goal of the consortium is to foster the utilization of coal as a safe and affordable source of energy, and as a chemical feedstock, with minimal impact on the environment.</p>  <p><b>Funded</b>                      14 MAGEEP-collaborative projects</p>	<p><b>3RD INTERNATIONAL SYMPOSIUM ON GLOBAL ENERGY FUTURE</b></p>  <p><b>Dedication</b>                      Dedication of Stephen F. and Camilla T. Brauer Hall — Danforth Campus</p>  <p><b>Released</b>                      Global Energy Future Study Report</p>  <p><b>Funded</b>                      11 MAGEEP-collaborative project</p>  <p><b>Funded</b>                      8 CCCU-collaborative projects</p>	<p><b>4TH INTERNATIONAL SYMPOSIUM ON ENERGY &amp; ENVIRONMENT: Abundant Clean Cost-Effective Energy Systems for Sustainability (ACCESS)</b></p>  <p><b>Launched</b>                      Solar Energy Research Institute for India and the United States (SERIIUS)</p>  <p><b>Funded</b>                      14 MAGEEP-collaborative projects</p>  <p><b>Funded</b>                      5 CCCU-collaborative projects</p>  <p><b>Introduction</b>  <i>Fires, Fuel, and the Fate of 3 Billion: The State of the Energy Impoverished</i> by Gautam Yadama</p>	<p><b>5TH INTERNATIONAL SYMPOSIUM: The Role of Research Universities in Addressing Global Challenges</b></p>  <p><b>Population Aging</b></p> <ul style="list-style-type: none"> <li>Increased: Cross national collaborative connections</li> <li>Funded: 10 Friedman Center for Aging collaborations</li> </ul>  <p><b>Food, Water and Climate Change</b></p> <p>Re-established: Interdisciplinary Environmental Studies Program</p>  <p><b>Energy and Environment</b></p> <ul style="list-style-type: none"> <li>MAGEEP Education Network</li> <li>Solar Energy Research Institute for India and U.S. (SERIIUS) — Linking to a MAGEEP Visiting Scholar Program</li> <li>Launched: Solar Energy and Energy Storage (SEES) Initiative and World Access To The Sun (WATTS) Program</li> <li>Launched: CCCU Phase II and U.S.-China Clean Energy Center</li> <li>Established: Center for Aerosol Science and Engineering (CASE)</li> </ul>  <p><b>Public Health</b></p> <ul style="list-style-type: none"> <li>Established: New collaborations with faculty from University of Melbourne addressing life course epidemiology and cancer risks in men and women.</li> </ul>	<p><b>6TH INTERNATIONAL SYMPOSIUM: Addressing Global Challenges through International Collaboration in Education and Research</b></p>  <p><b>Population Aging and Global Public Health</b></p>  <p><b>Food, Water, and Sustainability</b></p>  <p><b>Energy and Environment</b></p>  <p><b>Student Initiatives</b>                      3MT® Competition</p> <p><b>Keynote Speakers</b>  <b>Dennis Muilenburg</b>, Chairman, President and CEO, The Boeing Company</p> <p><b>Glenys Beauchamp</b>, Secretary, Department of Industry, Innovation and Science, Australian Government</p> <p><b>Ernest Aryeetey</b>, Secretary General, African Research Universities Alliance, Vice Chancellor Emeritus, University of Ghana</p>	<p><b>7TH INTERNATIONAL SYMPOSIUM: Global Challenges for Today's Research Universities: Health, Energy &amp; Environment, and Agriculture</b></p>  <p><b>Population Aging and Global Public Health</b></p>  <p><b>Food, Water, and Sustainability</b></p>  <p><b>Energy and Environment</b></p>  <p><b>Student Initiatives</b>                      3MT® Competition</p> <p><b>Keynote Speakers</b>  <b>John P. Holdren</b>, Science Advisor to President Barack Obama</p> <p><b>Gary S. Calabrese</b>, Senior Vice President, Director, Corning Global Research</p> <p><b>Carl Casale</b>, Board of Directors, Syngenta</p>

## SOLIDIFYING THE PARTNERSHIP

Our partners are a select group of premier research universities from around the world. Universities that become partners in the Academy are committed to excellence in education and research, and to the importance of international collaboration. In turn, Washington University is committed to having at least one Scholar from each University Partner in residence at all times.

### Accra

University of Ghana

### Ankara

Middle East Technical University

### Bangkok

Chulalongkorn University

### Beijing

China Agricultural University

Peking University

Tsinghua University

### Brisbane

The University of Queensland

### Budapest

Budapest University of  
Technology and Economics

### Campinas

State University of Campinas

### Haifa

Technion-Israel Institute of  
Technology

### Herzliya

Interdisciplinary Center Herzliya

### Hong Kong

The Chinese University of  
Hong Kong

Hong Kong University of Science  
and Technology

University of Hong Kong

### Hsinchu City

National Chiao Tung University

### Istanbul

Boğaziçi University

### Jakarta

University of Indonesia

### Melbourne

The University of Melbourne

### Monterrey

Tecnológico de Monterrey

### Mumbai

Indian Institute of Technology

Tata Institute of Social Sciences

### New Delhi

Indian Institute of Technology  
Dehli  
Jawaharlal Nehru University

### St. Louis

Washington University in St. Louis

### Santiago

University of Chile

### Seoul

Korea University

Seoul National University

Yonsei University

### Shanghai

Fudan University

### Singapore

National University of Singapore

### Taipei

National Taiwan University

### Tokyo

Keio University

University of Tokyo

### Utrecht

Utrecht University

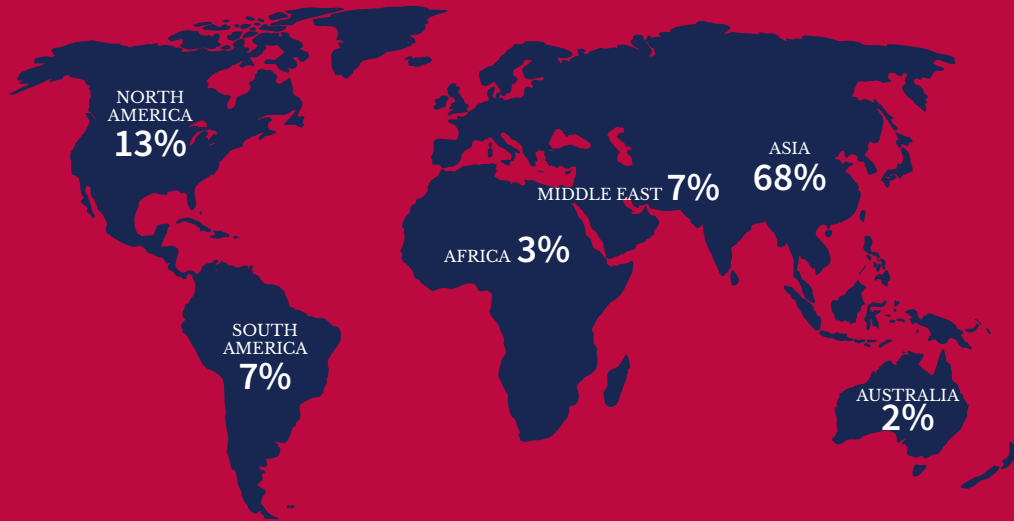
### Xi'an

Xi'an Jiaotong University

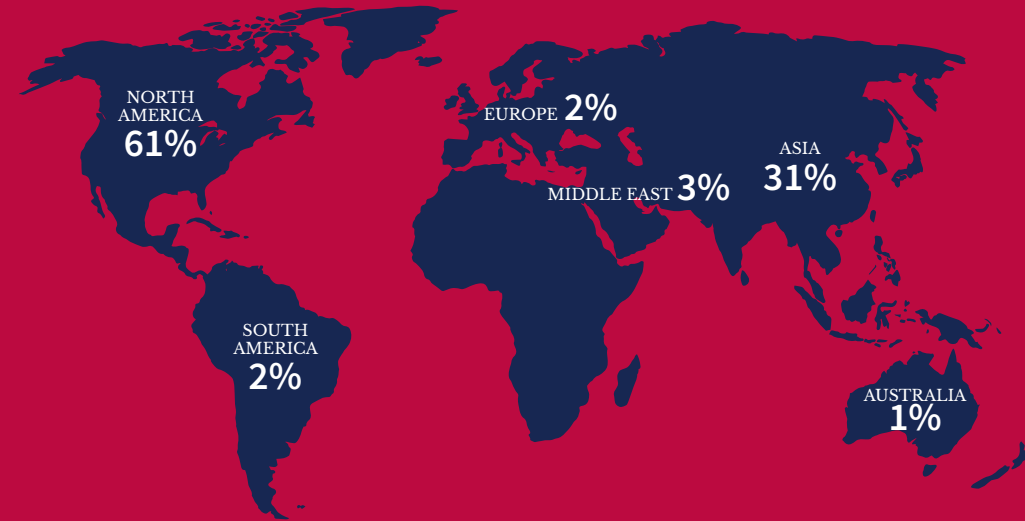




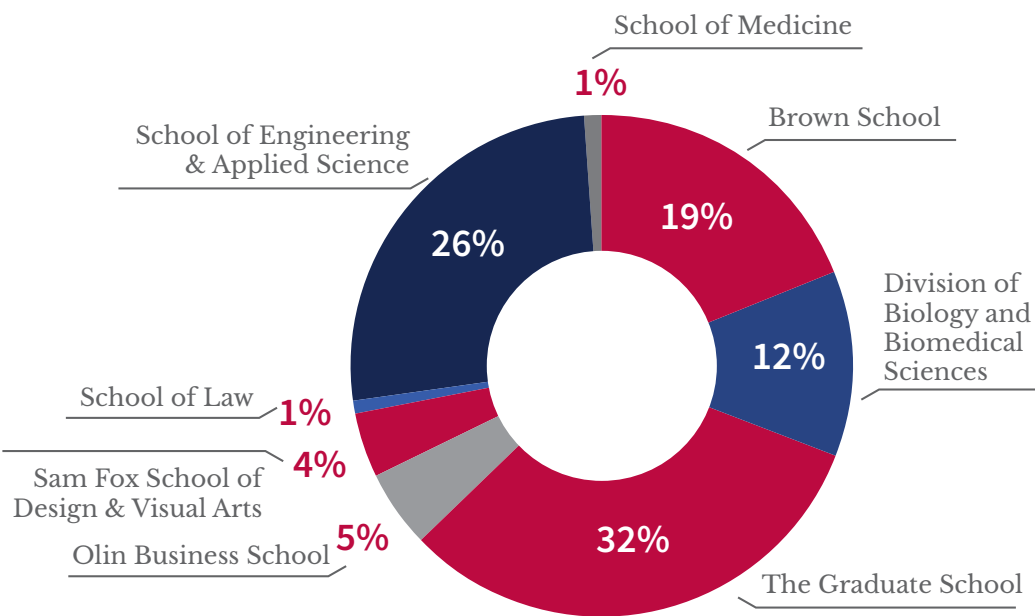
## MCDONNELL ACADEMY CURRENT SCHOLARS WHERE ARE WE FROM?



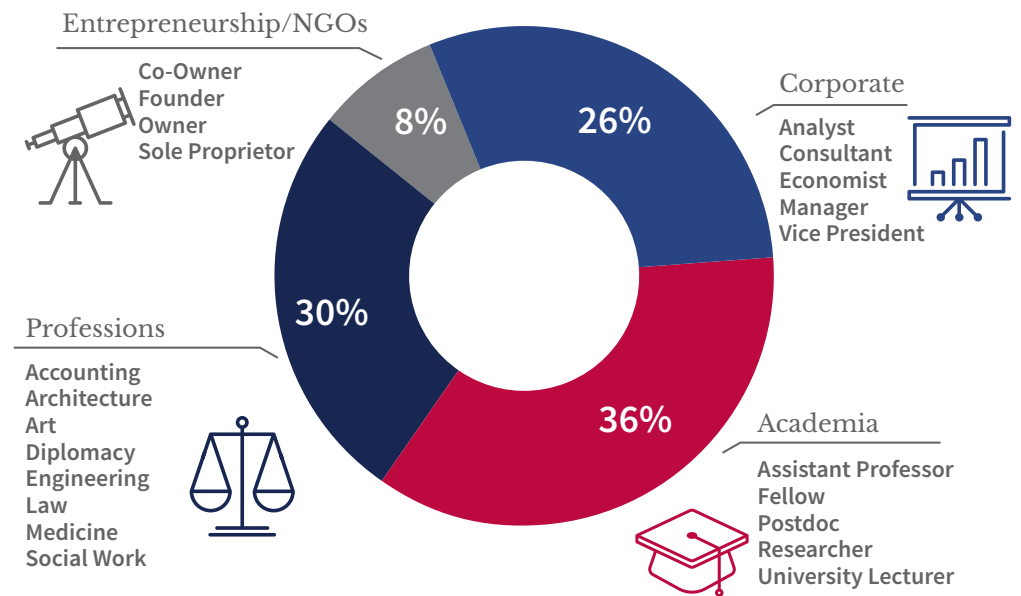
## MCDONNELL ACADEMY ALUMNI WHERE ARE WE WORKING?



## SCHOLAR ACADEMIC PATHS



## ALUMNI CAREER PATHS





McDonnell Scholars enjoying boat tour, including Statue of Liberty, during 2018 cohort trip to New York City.

## BENEFACTORS & SPONSORS

### Founding Benefactor

**John F. McDonnell**

### Corporate Sponsors

**Ameren**

St. Louis, Missouri

**Arch Coal**

St. Louis, Missouri

**Boeing**

St. Louis, Missouri

**Caleres Company**

St. Louis, Missouri

**Charoen Pokphand Indonesia**

Jakarta, Indonesia

**China Risun Group**

(Hong Kong) Ltd.

Beijing, China

**Coming Incorporated**

Corning, New York

**Emerson**

St. Louis, Missouri

**Fila Korea**

Seoul, South Korea

**IL&FS**

Mumbai, India

**Mallinckrodt**

St. Louis, Missouri

**Millepore Sigma**

St. Louis, Missouri

**Mirae Asset**

Seoul, South Korea

**Monsanto Company**

St. Louis, Missouri

**Nestlé Purina**

PetCare Company

St. Louis, Missouri

**Peabody Energy**

St. Louis, Missouri

**SunEdison**

St. Peters, Missouri

### Foundation and Individual Sponsors

**Cabot Corporation Foundation**

Boston, Massachusetts  
(Cabot-Zhang Endowed Lecture Series)

**Lee Foundation**

Singapore  
(S.T. Lee Endowed Lecture Series)

**Shinichiro Watari Fellowship**

Hong Kong

**Taiwan Ministry of Education**

Taipei, Taiwan

**Lo Fellowship**

Hong Kong

**Cho-Yee and Patricia To**

Ann Arbor, Michigan

[MCDONNELL.WUSTL.EDU](http://MCDONNELL.WUSTL.EDU)

TO LEARN MORE ABOUT THE MCDONNELL INTERNATIONAL SCHOLARS ACADEMY AT WASHINGTON UNIVERSITY, PLEASE CONTACT:

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St. Louis, Missouri 63130-4899 U.S.A.

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**Web** [mcdonnell.wustl.edu](http://mcdonnell.wustl.edu)

# McDONNELL INTERNATIONAL SCHOLARS ACADEMY NETWORK OF PARTNER UNIVERSITIES



Accra	University of Ghana
Ankara	Middle East Technical University
Bangkok	Chulalongkorn University
Beijing	China Agricultural University
	Peking University
	Tsinghua University
Brisbane	The University of Queensland
Budapest	Budapest University of Technology and Economics
Campinas	State University of Campinas
Haifa	Technion – Israel Institute of Technology
Herzliya	Interdisciplinary Center Herzliya
Hong Kong	The Chinese University of Hong Kong
	Hong Kong University of Science and Technology
	University of Hong Kong
Hsinchu City	National Chiao Tung University
Istanbul	Boğaziçi University
Jakarta	University of Indonesia
Melbourne	The University of Melbourne
Monterrey	Tecnológico de Monterrey
Mumbai	Indian Institute of Technology Bombay
	Tata Institute of Social Sciences
New Delhi	Indian Institute of Technology Dehli
	Jawaharlal Nehru University
Santiago	University of Chile
Seoul	Korea University
	Seoul National University
	Yonsei University
Shanghai	Fudan University
Singapore	National University of Singapore
Taipei	National Taiwan University
Tokyo	Keio University
	University of Tokyo
Utrecht	Utrecht University
Xi'an	Xi'an Jiaotong University