

MCDONNELL INTERNATIONAL  
SCHOLARS ACADEMY



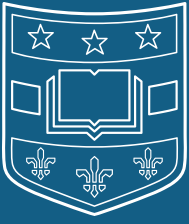
Washington University in St. Louis



# MCDONNELL INTERNATIONAL SCHOLARS ACADEMY

The Lead Initiative in Washington University's  
Globalization Strategy

**ENHANCE OUR LEADERSHIP TODAY TO BENEFIT AMERICA AND  
THE WORLD TOMORROW**



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Through the McDonnell International Scholars Academy, we incubate new ideas and mentor future leaders while promoting global awareness and social responsibility. McDonnell Scholars are graduate and professional students from across the globe and interdisciplinary academic programs, who come to Washington University for an extraordinary educational experience as they pursue doctoral and professional master's degrees.

Washington University in St. Louis is one of the leading research institutions in the world. We engage collaborative partnerships with institutions in the Academy on issues such as energy and sustainability, global public health, and international understanding. The McDonnell Academy provides academic, cultural, and social opportunities to help Scholars develop into future leaders knowledgeable about the United States, other countries of the world, and critical international issues.

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)



BROWN  
SCHOOL

MCKELVEY  
SCHOOL OF  
ENGINEERING

OLIN  
BUSINESS  
SCHOOL

SAM FOX  
SCHOOL  
OF DESIGN  
& VISUAL  
ARTS

SCHOOL  
OF LAW

SCHOOL  
OF  
MEDICINE

THE  
GRADUATE  
SCHOOL  
(Arts & Sciences)

MCDONNELL INTERNATIONAL SCHOLARS ACADEMY





McDonnell Scholars walking to next meeting during 2018 cohort trip to New York City.

## 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.



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“Thinking in terms of the unique international approach we’ve had, it’s certainly one of collaboration. It’s about establishing mutually beneficial, trusting relationships to make a global difference.”

— Kurt T. Dirks  
Vice Chancellor for International Affairs &  
Director, McDonnell Academy

McDonnell Scholars at U.S.  
Capitol during 2019 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

## University of Tokyo

### Rajendra S. Apte

Paul A. Cibis Distinguished Professor of Ophthalmology and Visual Sciences, Professor of Developmental Biology, Professor of Medicine, School of Medicine

## Indian Institute of Technology Bombay

### Pratim Biswas

Lucy and Stanley Lopata Professor and Chair, Department of Energy, Environmental & Chemical Engineering, McKelvey School of Engineering; 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, McKelvey School of Engineering; 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, McKelvey School of Engineering

## 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 Taiwan University

### Tuan-Hua David Ho

Professor Emeritus, Department of Biology Arts & Sciences

## Keio University

### Shin-ichiro Imai

Professor, Department of Developmental Biology, Department of Medicine (Joint), School of Medicine

## 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, McKelvey School of Engineering

## Seoul National University

### Young-Shin Jun

Professor, Department of Energy, Environmental & Chemical Engineering, McKelvey School of Engineering

## Interdisciplinary Center Herzliya

### Ohad Kadan

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

## 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

## National Chiao Tung University

### Jr-Shin Li

Professor, Electrical & Systems Engineering, McKelvey School of Engineering

## 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 University Professor, Department of Biology, Arts & Sciences

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“As a world-renowned institution devoted to excellence in teaching, research, and patient care, we’ve grown partnerships and collaborations through the McDonnell International Scholars Academy in countries across six continents to address international concerns such as climate change, global health, economic stability, and more.”

— Chancellor Andrew D. Martin

#### **Chulalongkorn University**

**Mary M. McKay**

Neidorff Family and Centene Corporation Dean,  
Brown School

#### **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)

#### **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

#### **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

#### **State University of Campinas**

**James V. Wertsch**

David R. Francis Distinguished Professor; Professor of  
Anthropology, Arts & Sciences

#### **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

#### **Ambassador Emeritus**

**Larry J. Shapiro**

Dean Emeritus, School of Medicine

# 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
<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>

## OCTOBER 2014

Washington University  
in St. Louis

### 5TH INTERNATIONAL SYMPOSIUM:

The Role of Research Universities in  
Addressing Global Challenges



#### Population Aging

- Increased: Cross national collaborative connections
- Funded: 10 Friedman Center for Aging collaborations



#### Food, Water, and Climate Change

Re-established: Interdisciplinary  
Environmental Studies Program



#### Energy and Environment

- MAGEEP Education Network
- Solar Energy Research Institute for India and U.S. (SERIIUS) — Linking to a MAGEEP Visiting Scholar Program
- Launched: Solar Energy and Energy Storage (SEES) Initiative and World Access To The Sun (WATTS) Program
- Launched: CCCU Phase II and U.S.-China Clean Energy Center
- Established: Center for Aerosol Science and Engineering (CASE)



#### Public Health

- Established: New collaborations with faculty from University of Melbourne addressing life course epidemiology and cancer risks in men and women.

## SEPTEMBER 2016

Brisbane, Australia

### 6TH INTERNATIONAL SYMPOSIUM:

Addressing Global Challenges  
through International Collaboration in  
Education and Research



#### Population, Aging, and Global Public Health



#### Food, Water, and Sustainability



#### Energy and Environment



#### Student Initiatives

3MT® Competition

#### Keynote Speakers

**Dennis Muilenburg,**  
Chairman, President and CEO,  
The Boeing Company

**Glenys Beauchamp,**  
Secretary, Department of Industry,  
Innovation and Science, Australian  
Government

**Ernest Aryeetey,**  
Secretary General, African Research  
Universities Alliance, Vice Chancellor  
Emeritus, University of Ghana

## OCTOBER 2018

Beijing, China

### 7TH INTERNATIONAL SYMPOSIUM:

Global Challenges for Today's  
Research Universities: Health, Energy &  
Environment, and Agriculture



#### Agriculture, Food, and Water



#### Energy and Environment



#### Public Health and Aging



#### Student Initiatives

3MT® Competition

#### Keynote Speakers

**John P. Holdren,**  
Science Advisor to  
President Barack Obama

**Gary S. Calabrese,**  
Senior Vice President, Director,  
Corning Global Research

**Carl Casale,**  
Board of Directors, Syngenta

**Partner Cohost**  
Tsinghua University

# 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 aspires 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 Bombay  
 Tata Institute of Social Sciences

**New Delhi**

Indian Institute of Technology Delhi  
 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

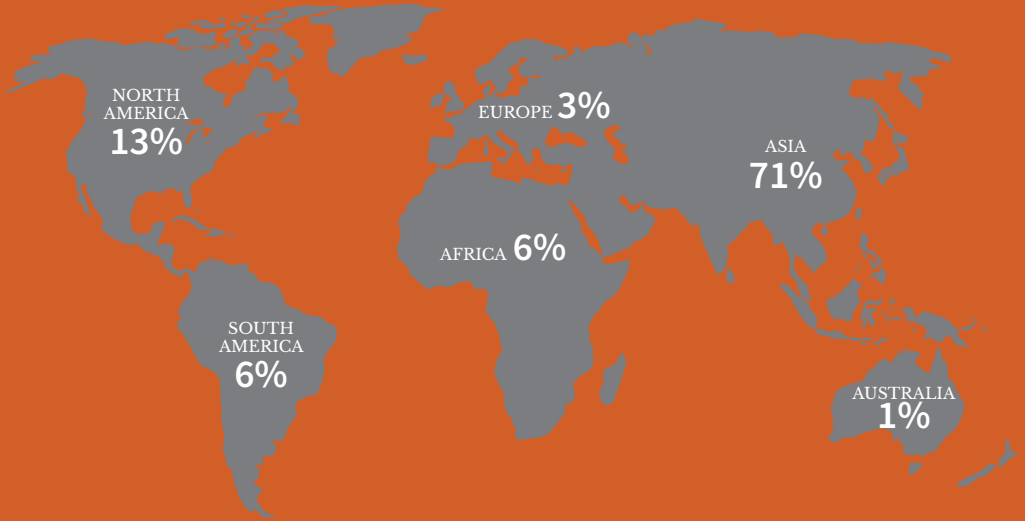
**Utrecht**

Utrecht University

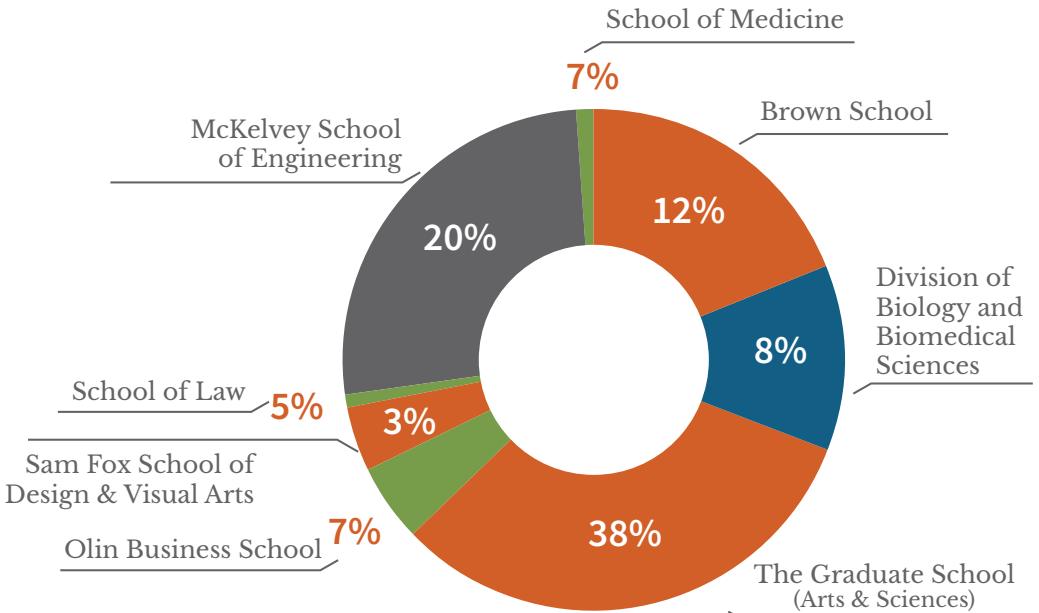
**Xi'an**

Xi'an Jiaotong University

# MCDONNELL ACADEMY CURRENT SCHOLARS WHERE ARE WE FROM?

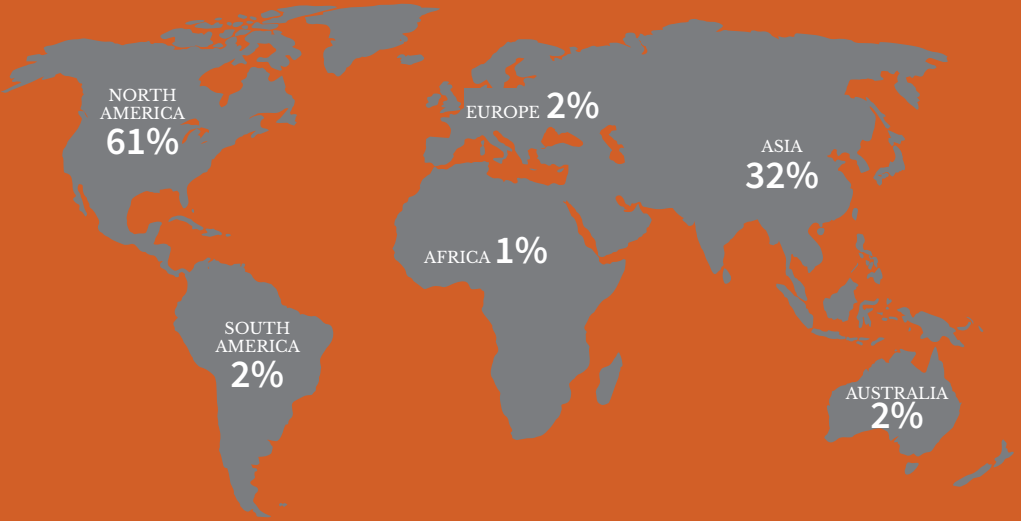


## SCHOLAR ACADEMIC PATHS

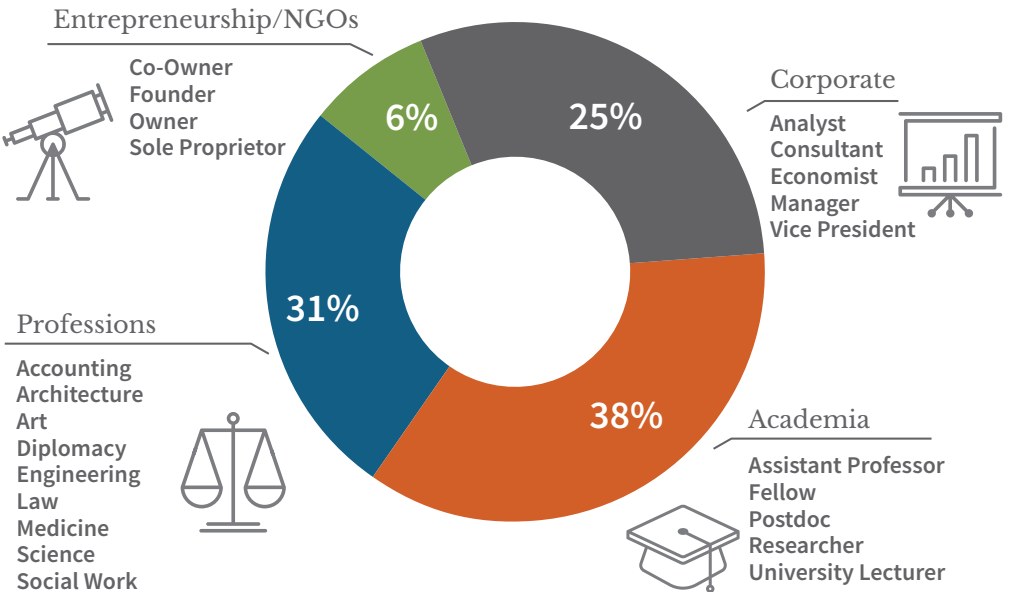




# MCDONNELL ACADEMY ALUMNI WHERE ARE WE WORKING?



## ALUMNI CAREER PATHS





## BENEFACTORS & SPONSORS

### Founding Benefactor

**John F. McDonnell**

### Corporate Sponsors

**Bayer CropScience**  
St. Louis, Missouri

**Boeing**  
St. Louis, Missouri

**China Risun Group (Hong Kong) Ltd.**  
Beijing, China

**Corning Incorporated**  
Corning, New York

**Fila Korea**  
Seoul, South Korea

**Mallinckrodt**  
St. Louis, Missouri

**Mirae Asset**  
Seoul, South Korea

**Nestlé Purina PetCare Company**  
St. Louis, Missouri

### Foundation Sponsors

**Cabot Corporation Foundation**  
Boston, Massachusetts  
(Cabot-Zhang Endowed Lecture Series)

**Lee Foundation**  
Singapore  
(S.T. Lee Endowed Lecture Series)

**Taiwan Ministry of Education**  
Taipei, Taiwan

### Individual Sponsors

**Lo Fellowship**  
Hong Kong

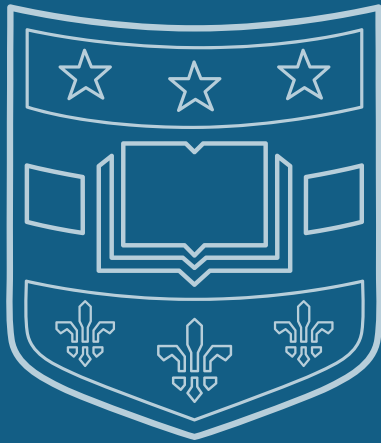
**Cho-Yee and Patricia To**  
Ann Arbor, Michigan

**Shinichiro Watari Fellowship**  
Hong Kong

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

**McDonnell International Scholars Academy**  
Washington University in St. Louis  
Campus Box 1173  
One Brookings Drive  
St. Louis, Missouri 63130-4899 U.S.A.

**Telephone** (314) 935-6779  
**Fax** (314) 935-6767  
**Email** [mcdonnell@wustl.edu](mailto:mcdonnell@wustl.edu)  
**Web** [mcdonnell.wustl.edu](http://mcdonnell.wustl.edu)



[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 Delhi
	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