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
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
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.

You must apply separately to the Academy.
“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
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.

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 & System Engineering, McKelvey School of Engineering

University of Chile
Tabea Linhard
Professor of Spanish and Comparative Literature, Department of Romance Languages & Literature, Arts & Sciences

The University of Melbourne
Jonathan Losos
William H. Danforth Distinguished University Professor, Department of Biology, Arts & Sciences
“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

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<th>MAY 2007</th>
<th>DECEMBER 2008</th>
<th>OCTOBER 2010</th>
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<td>Hong Kong</td>
<td>Washington University in St. Louis</td>
<td>Mumbai, India</td>
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### 1ST INTERNATIONAL SYMPOSIUM ON ENERGY & ENVIRONMENT
- Founded: McDonnell Academy Global Energy & Environment Partnership (MAGEEP)

  MAGEEP supports the development of innovative ideas in collaborative education and a wide range of research activities in energy and environment areas.

- Founded: International Center for Advanced Renewable Energy and Sustainability (I-CARES)

  This center conducts research on biofuels from plant and microbial systems and explores sustainable alternative energy and environmental systems and practices. 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)

### 2ND INTERNATIONAL SYMPOSIUM ON ENERGY & ENVIRONMENT
- Founded: Consortium for Clean Coal Utilization (CCCU)

  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.

### 3RD INTERNATIONAL SYMPOSIUM ON GLOBAL ENERGY FUTURE
- Dedication: Dedication of Stephen F. and Camilla T. Brauer Hall — Danforth Campus

  Released: Global Energy Future Study Report

### 4TH INTERNATIONAL SYMPOSIUM ON ENERGY & ENVIRONMENT: Abundant Clean Cost-Effective Energy Systems for Sustainability (ACCESS)
- Funded: 14 MAGEEP-collaborative projects

- Funded: 5 CCCU-collaborative projects

### Introduction
*Fires, Fuel, and the Fate of 3 Billion: The State of the Energy Impoverished by* Gautam Yadama

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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. (SERIUS) — 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.

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

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
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.
MCDONNELL ACADEMY CURRENT SCHOLARS
WHERE ARE WE FROM?

- **North America**: 13%
- **South America**: 6%
- **Europe**: 3%
- **Africa**: 6%
- **Asia**: 71%
- **Australia**: 1%

SCHOLAR ACADEMIC PATHS

- **McKelvey School of Engineering**: 20%
- **School of Medicine**: 7%
- **Brown School**: 12%
- **School of Law**: 5%
- **Sam Fox School of Design & Visual Arts**: 3%
- **Olin Business School**: 7%
- **Division of Biology and Biomedical Sciences**: 8%
- **The Graduate School (Arts & Sciences)**: 38%
MCDONNELL ACADEMY ALUMNI
WHERE ARE WE WORKING?

North America 61%
Africa 1%
South America 2%
Europe 2%
Asia 32%
Australia 2%

ALUMNI CAREER PATHS

Entrepreneurship/NGOs
- Co-Owner 6%
- Founder
- Owner
- Sole Proprietor

Corporate
- Analyst 25%
- Consultant
- Economist
- Manager
- Vice President

Academia
- Assistant Professor 38%
- Fellow
- Postdoc
- Researcher
- University Lecturer

Professions
- Accounting
- Architecture
- Art
- Diplomacy
- Engineering
- Law
- Medicine
- Science
- Social Work
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
Web mcdonnell.wustl.edu
MCDONNELL INTERNATIONAL SCHOLARS ACADEMY
NETWORK OF PARTNER UNIVERSITIES

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