

MCDONNELL INTERNATIONAL
SCHOLARS ACADEMY



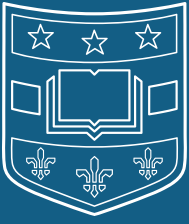
Washington University in St. Louis



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



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.

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

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.

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 Faight 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

“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

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The Chinese University of Hong Kong

Ping Wang

Seigle Family Professor, Department of Economics,
Arts & Sciences

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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

<p>MAY 2007 Washington University in St. Louis</p>	<p>DECEMBER 2008 Hong Kong</p>	<p>OCTOBER 2010 Washington University in St. Louis</p>	<p>DECEMBER 2012 Mumbai, India</p>
<p>1ST INTERNATIONAL SYMPOSIUM ON ENERGY & ENVIRONMENT</p>  <p>Founded McDonnell Academy Global Energy & 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>Founded 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>2ND INTERNATIONAL SYMPOSIUM ON ENERGY & ENVIRONMENT</p>  <p>Founded 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>Funded 14 MAGEEP-collaborative projects</p>	<p>3RD INTERNATIONAL SYMPOSIUM ON GLOBAL ENERGY FUTURE</p>  <p>Dedication Dedication of Stephen F. and Camilla T. Brauer Hall — Danforth Campus</p>  <p>Released Global Energy Future Study Report</p>  <p>Funded 11 MAGEEP-collaborative project</p>  <p>Funded 8 CCCU-collaborative projects</p>	<p>4TH INTERNATIONAL SYMPOSIUM ON ENERGY & ENVIRONMENT: Abundant Clean Cost-Effective Energy Systems for Sustainability (ACCESS)</p>  <p>Launched Solar Energy Research Institute for India and the United States (SERIIUS)</p>  <p>Funded 14 MAGEEP-collaborative projects</p>  <p>Funded 5 CCCU-collaborative projects</p>  <p>Introduction <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

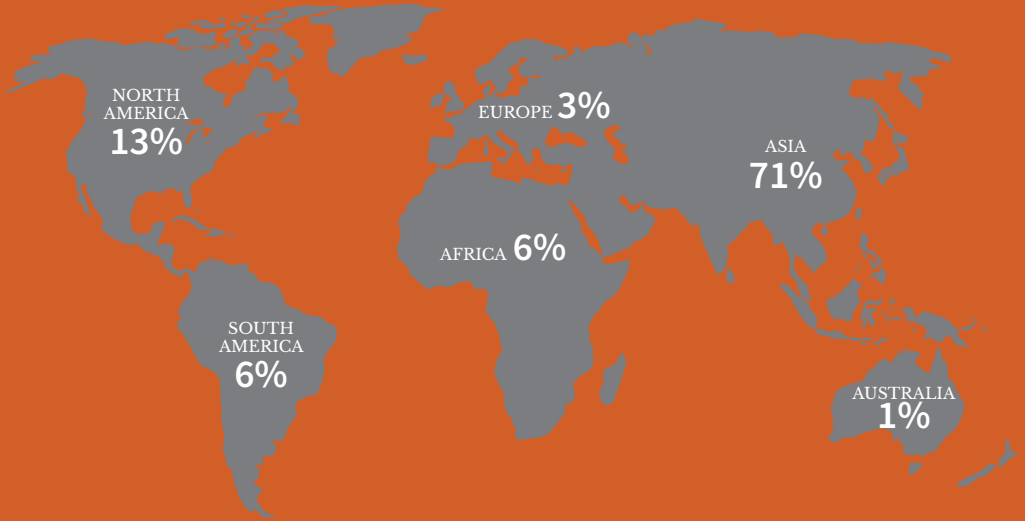
Utrecht

Utrecht University

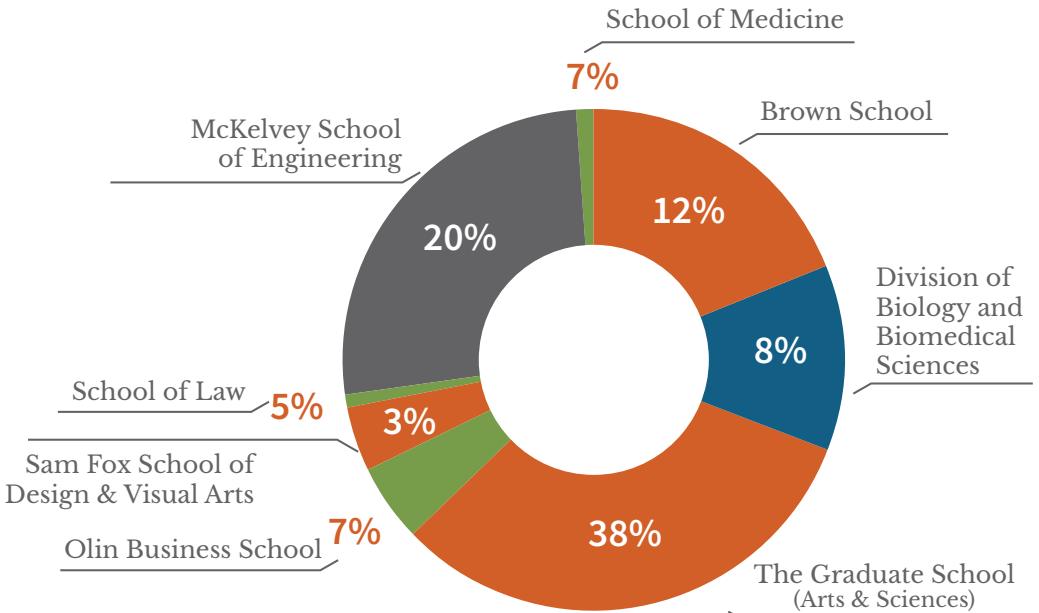
Xi'an

Xi'an Jiaotong University

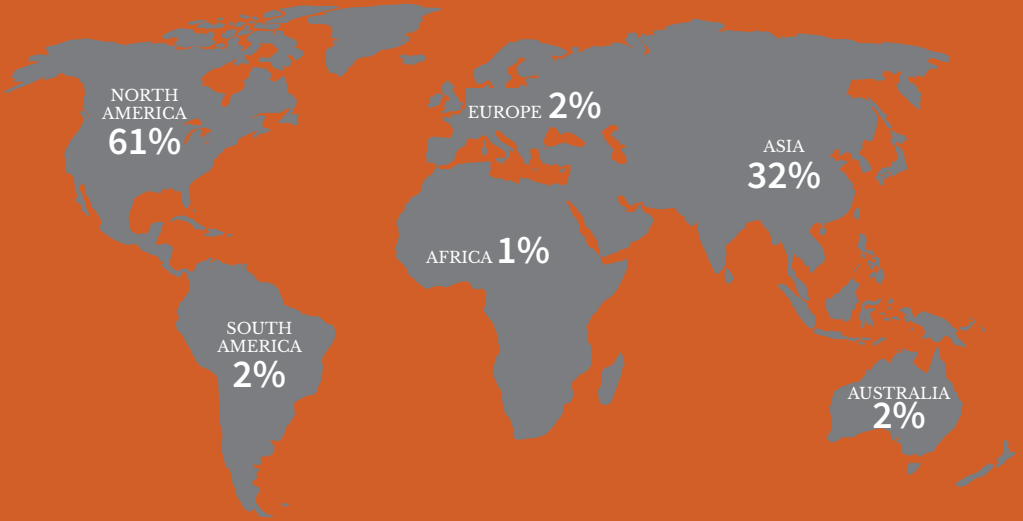
MCDONNELL ACADEMY CURRENT SCHOLARS WHERE ARE WE FROM?



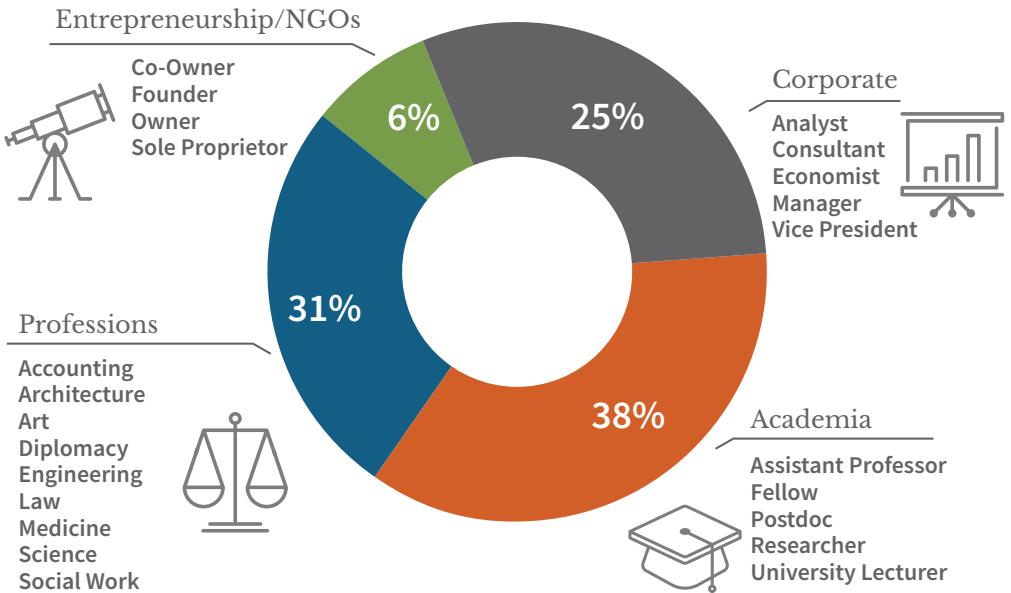
SCHOLAR ACADEMIC PATHS



MCDONNELL ACADEMY ALUMNI WHERE ARE WE WORKING?



ALUMNI CAREER PATHS





BENEFACTORS & SPONSORS

Founding Benefactor

John F. McDonnell

Corporate Sponsors

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St. Louis, Missouri

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St. Louis, Missouri

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Seoul, South Korea

Nestlé Purina PetCare Company
St. Louis, Missouri

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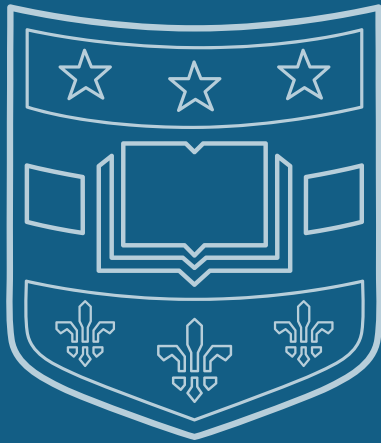
Cho-Yee and Patricia To
Ann Arbor, Michigan

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



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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