



2009

U.S. Fulbright Scholars



WELCOME

On behalf of the Australian-American Fulbright Commission and the many supporters of the Fulbright program it is my pleasure to introduce and welcome the 2009 U.S. Fulbright Scholars.

These 19 outstanding individuals have been selected from a very competitive field of applicants. They represent a wide range of fields such as international relations, economics, military sciences, political science, architecture, mathematics, science, and health.

In addition, 23 outstanding Australian Scholars will have the opportunity this year to experience life and culture in the U.S. whilst undertaking research or study.

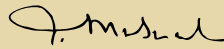
It is through such ambassadors that the Australian-American Fulbright Program is able to deliver on its mission to further mutual understanding between the people of Australia and the United States through educational and cultural exchange.

Since its establishment in 1949, through the first treaty ever signed between Australia and the U.S., more than 4,500 Scholars have benefitted from this program.

For many it is the experience of a lifetime. Fulbright Scholars are given the resources, the time, the prestige and the support they need to carry out research or study in their chosen fields. They also have the opportunity to meet an amazing network of people and to build international connections and friendships that will last a lifetime.

The program is funded by the United States and Australian governments and a select group of sponsors. As we go into our 60th Anniversary year I would like to thank all of the supporters of the Fulbright Program, past and present, who make these Scholarships possible.

This year we award the inaugural Fulbright CSIRO Postgraduate Scholarship, made possible through the generous support of the CSIRO, Australia's leading scientific research organisation.



Dr Joe Hlubucek
Executive Director
Australian-American Fulbright
Commission
Canberra



2009 AMERICAN FULBRIGHT SCHOLARS

Fulbright ANU Distinguished Chair

Dr Diana Dwyre

Senior Scholars

Dr James Blackman

Dr Geoff Dougherty

Dr Rick Geddes

Dr Brian Maguire

Dr Nancy Paxton

Dr Gregory Pottie

Postgraduate Scholars

Ms Kate D'Ambrosio

Mr Joshua Daskin

Ms Kyla Drushka

Ms Chelsea Lane-Miller

Miss Christina Mandour-Brackin

Miss Susan Massey

Miss Pamela McGaha

Mr Ryan Meyer

Mr Karl Minges

Miss Heather Pace

Mr Jon Pula

Miss Elizabeth Webb



Distinguished Chair

DIANA DWYRE

2009 Fulbright ANU Distinguished Chair in American Political Science

B.A. (Political Science), Hunter College of the City University of New York; M.A. (Political Science/Public Administration) and PhD (Political Science/Public Administration), Maxwell School of Citizenship and Public Affairs at Syracuse University

Host: Australian National University

Diana Dwyre is currently Professor of Political Science at California State University, Chico. Diana's project will initially take the form of a comparative analysis of the theoretical foundations of the Australian and U.S. political finance systems, followed by a comprehensive study of the private funding of Australian and U.S. campaigns using both quantitative and qualitative research methods to collect data and information. It is hoped that the project will promote long-term collaboration between U.S. and Australian scholars on issues of importance in all democracies. Diana was an American Political Science Association Congressional Fellow in 1998 and winner of the California State University, Chico Professional Achievement Award. She has also published widely in both refereed journals and in books, and has written two books on U.S. campaign finance.

U.S. Senior Scholars

JAMES BLACKMAN

U.S. Senior Scholar

B.A (Psychology), M.D (Medicine), Ohio State University; MPH, San Diego State University

Host: University of Queensland

James Blackman is currently a Professor of Pediatrics at the University of Virginia. James will be investigating the effect of the Apolipoprotein E gene on the severity of Cerebral Palsy and the possibility that it exerts a protective effect on the developing brain of children following brain injury. In Australia, James will take advantage of a unique study of cerebral palsy in Victoria and Queensland, which comprises the largest and most extensively evaluated population-based sample of children with CP ever studied, and James claims it will be invaluable to his research. In addition to his Professorship, James is also Head of the Division of Developmental Pediatrics, Director of the Fellowship Training Program in Developmental Pediatrics, and the Medical Director of the Kluge Children's Rehabilitation Center and Research Institute. He has also won various honours and fellowships including the Hanlon Outstanding Public Health Graduate Award and a Mary E Switzer Distinguished Fellowship.



GEOFF DOUGHERTY

U.S. Senior Scholar

B.Sc (Hon.) (Physics), Manchester University; Postgraduate Certificate (Education), Leeds University; PhD (Biomedical Physics), Keele University.

Host: Queensland University of Technology

Geoff Dougherty is currently a Professor of Applied Physics and Medical Imaging at California State University, Channel Islands. Geoff will be researching the use of Magnetic Resonance Imaging (MRI) to improve the diagnosis and treatment of the joint disease osteoarthritis and the bone disease osteoporosis. Geoff aims to develop a measure that will be able to show the severity of osteoarthritis based on how collagen fibres are aligned in cartilage, and will also examine the texture of bones and cartilage to facilitate the early recognition and diagnosis of osteoporosis. Geoff has won numerous grants from sources including the Wellcome Trust, Oxford Brookes University, Medical Research Council, the Skin Disease Research Fund and the National Advisory Board (UK). He has published widely in both books and academic journals. His latest book is titled *Digital Image Processing for Medical Applications*.





RICK GEDDES

U.S. Senior Scholar

B.Sc (Economics/Finance), Towson State University; M.A (Economics), University of Chicago; PhD (Economics), University of Chicago

Host: Australian National University

Rick Geddes is currently an Associate Professor in the Department of Policy Analysis and Management at Cornell University. Rick will be analysing Negotiations vs. Auctions in Public Sector Procurement, utilising evidence from Australian Public-Private partnerships. Through his research, Rick hopes to contribute to the award-mechanism academic debate, and also to inform transportation policy makers in the U.S. In addition to his Associate Professorship, Rick has won various awards and fellowships such as the Kappa Omicron Nu/Human Ecology Alumni Association Advising award, the Human Ecology Award for outstanding accomplishments in extension in public policy, two Ames Fund for Junior Faculty awards and two Earhart Foundation Grants.



BRIAN MAGUIRE

U.S. Senior Scholar

M.S.A (Health care administration), Central Michigan University; Dr.PH (Public Health), George Washington University, Washington DC

Host: Edith Cowan University

Brian Maguire is currently a Clinical Associate Professor at the University of Maryland. Brian will be conducting a study into occupational injuries among ambulance personnel in Australia. He aims to provide a foundation for reducing these occupational risks. Longer-term aims include reducing the costs and early career terminations associated with these risks as well as developing practices that can be used to reduce risks for ambulance workers around the world. Brian's research will be a culmination of his three decades of involvement in emergency medical services. That experience includes two decades in the New York City health care system working as a paramedic, EMS training director, hospital administrator and agency president. He has been a university faculty member since 1994.

NANCY PAXTON

U.S. Senior Scholar

B.A (English), Cornell University; M.A (English) and PhD (English), Rutgers University

Host: James Cook University, Townsville/Australian National University

Nancy Paxton is currently a Professor of English at Northern Arizona University (NAU). She will be conducting research on Jean Devanny's unpublished papers at James Cook University, the National Library and National Archives, as well as exploring the history of censorship in the context of current research on literature, law and trauma. Her research will form part of her current project *Books Travel: Rethinking Modernism and Literary Censorship in a Global Frame*. Her book examines how the law has been invoked to constitute and regulate literature and authorship in the first half of the twentieth century in Great Britain, the United States, New Zealand, and Australia. In addition to her academic qualifications, Nancy founded and has directed the Women's and Gender Studies Program at Northern Arizona University. She has also won NAU's Teacher Scholar award, was awarded a Mellon Fellowship at Harvard and a fellowship at the Bunting Institute at Radcliffe College.



GREGORY POTTIE

U.S. Senior Scholar

B.Sc. (Engineering/Physics), Queen's University, Ontario; M.Eng. (Electrical Engineering) and Ph.D. (Electrical Engineering), McMaster University, Ontario

Host: University of Sydney

Gregory Pottie is currently Professor and Associate Dean at the UCLA Henry Samueli School of Engineering and Applied Science. Gregory will be investigating cooperation, mobility, and utility in sensor networks, with the aim of addressing the basic questions of sensor network technology, determining the number and types of nodes that are put together to efficiently perform an intended function. Greg is a pioneer and leading expert in the field of wireless sensor networks, in which nodes comprising sensors, communications, and computing are placed in a network and work together for purposes such as basic science, environmental monitoring or control. Greg has received numerous awards and scholarships including being an IEEE Fellow, the Chapman Memorial Prize and the Natural Sciences and Engineering Research Council of Canada postgraduate scholarship. He has also published widely in professional journals and books, and has five patents to his name.





U.S. Postgraduate Scholars

KATE D'AMBROSIO

U.S. Alumni Scholar

B.A (Political Science/History), Willamette University, Oregon

Host: RMIT/Bushfire CRC, Melbourne

Kate D'Ambrosio is a program specialist with the National Headquarters, Fire and Aviation Management staff in the United States Forest Service. Kate will work with RMIT and the Bushfire CRC to conduct research into Wildfire Risk Management, with particular emphasis on Australia's stay and defend policy. Kate will analyse the role of the collaborative relationships between Australian government agencies and the communities they serve with a view to establishing a framework for considering the strategy's implementation in the U.S. Kate has received numerous scholarships and fellowships including a Truman Scholarship in 2005, as well as a professional fellowship with Senator Max Baucus in 2006.



JOSHUA DASKIN

U.S. Postgraduate Scholar

B.Sc (Biology/Environmental Studies), Brandeis University, Massachusetts

Host: James Cook University, Townsville

Joshua Daskin has recently completed a degree in biology at Brandeis University. He will conduct research into a disease caused by the fungus *Batrachochytrium dendrobatidis* (*Bd*) that has been implicated in killing frogs worldwide. He will investigate bacteria that may help to protect frogs from the disease. The project will look at whether temperature, either altitudinal or seasonal, has any effect on the growth and antifungal activity of the protective bacteria. In addition to his qualifications, Joshua has also held an Ecology Research Fellowship with Dauphin Island Sea Lab, worked as an assistant naturalist teacher with the Westchester County Department of Parks and as Ecological Restoration Assistant with The Nature Conservancy, Tecumseh, Michigan.

KYLA DRUSHKA

Fulbright CSIRO Postgraduate Scholar

B.Sc (Physics/Environment), McGill University, Canada

Host: CSIRO Marine Laboratory, Tasmania

Kyla Drushka is a PhD candidate in oceanography at the Scripps Institution of Oceanography, University of California San Diego. Her research aims to increase understanding of the relationship between the Indonesian Throughflow and large-scale variations in the Indian Ocean, and the impacts that this relationship may have on the Australasian climate. Kyla hopes that understanding how these factors fit together could lead to improved prediction of drought conditions in Australia. In addition to her qualifications, Kyla has won the NASA Earth and Space Science Graduate Research Fellowship, Fulsom Fellowship and the Natural Sciences and Engineering Research Council of Canada Undergraduate Research Fellowship.



CHELSEA LANE-MILLER

U.S. Postgraduate Scholar

B.A. (Geography/Government), Dartmouth College

Host: CSIRO/University of South Australia

Chelsea Lane-Miller will study farmers' future plans in the Murray-Darling Basin in light of the Australian Government's plan to return a significant amount of irrigation water back to the environment. Her research will help ensure that the Government's buyback plan successfully returns water to rivers while still maintaining viable rural communities within the Murray-Darling Basin. Chelsea aims to produce both data about which farmers are most likely to participate in the Australian government's buyback program, and a review of previous approaches to buyback programs. Chelsea has won various awards, grants and fellowships to study water in other countries, and was most recently a Hansard Society Research Scholar in London, England. She has worked for American Rivers as Associate Director of Outreach and interned with National Geographic.





LOUISE MANDOUR-BRACKIN

U.S. Postgraduate Scholar

B.Sc (Government), U.S. Coast Guard Academy of the United States

Host: University of New South Wales

Louise Mandour-Brackin is currently completing a BSc (Government) at the U.S. Coast Guard Academy of the United States. Louise's research will examine expanding Australia's law enforcement role in Oceania, in particular in fisheries law. She aims to provide a new framework of international-level maritime engagement in the South Pacific based on that of the U.S. Coast Guard's strategic international engagement in both the North Pacific and West African waters. In addition to her qualifications, Louise is active in sports such as yoga, tennis, and aikido and while she was a cadet in the Coast Guard, Louise also taught ballroom and swing dance. When she returns to the U.S., Louise will serve as a junior officer onboard the Coast Guard cutter Bertholf.



SUSAN MASSEY

U.S. Postgraduate Scholar

B.Sc (Architecture), University of Virginia; M.A. (Architecture), University of Michigan

Host: Australian Housing and Urban Research Institute, Melbourne

Susan Massey is currently a Masters of Science student in Architecture History/Theory at the University of Michigan. She will study Australia's affordable, environmentally sustainable housing. Her aim is to address the unintended environmental consequences of regulating architectural style in low-income housing in the U.S through examining the Australian experience. In addition to her academic qualifications, Susan is the recipient of the Marian Sarah Parker Memorial Award and her winning design for an international design competition was exhibited at the 2008 Venice Biennale. She has worked as an architectural designer in Washington D.C. and is an alumna of the Rural Studio outreach program.

PAMELA MCGAHA

U.S. Postgraduate Scholar

B.A (Economics), Bucknell University; M.B.A (Business Administration), Lehigh University

Host: University of New South Wales, Australian Army Reserve

Pamela McGaha is currently a business consultant and Lieutenant Colonel in the U.S. Army National Guard. Pam will conduct a comparative study of the Australian Army Reserve and the U.S. Army National Guard in order to strengthen both organisations' response to their communities during domestic security emergencies. In addition to her academic qualifications, Pam has received many military awards including the Bronze Star Medal, the Pennsylvania Meritorious Service Medal, and the Army Commendation Medal with silver oak leaf cluster. She has more than 20 years experience as a Guardsman, multiple overseas deployments and state activations, and currently serves as a Battalion Commander of four companies.



RYAN MEYER

U.S. Postgraduate Scholar

B.A (Biology and Music), Bowdoin College

Host: University of Melbourne/CSIRO

Ryan Meyer is currently a PhD candidate at the Consortium for Science, Policy, and Outcomes (CSP0) at Arizona State University. Ryan's research will examine how government investments in climate science are linked to broader social needs. In addition to his academic qualifications, Ryan has worked with Jeffrey Sachs at the Earth Institute and spent time in a rural village in Kenya. While at the CSP0 he has written a handbook for policy makers, organised an annual conference for graduate students in Washington D.C. and initiated a series of meetings to promote conversations about climate science issues across branches of government.





KARL MINGES

U.S. Postgraduate Scholar

B.Sc (Social Work), Marist College; M.P.H. (Public Health), Columbia University

Host: Monash University/Baker IDI Heart and Diabetes Institute

Karl will conduct a systematic evaluation of Baker IDI Heart and Diabetes Institute's "Lift for Life", an innovative health behaviour strength training program for diabetic adults. He will use a program evaluation method called RE-AIM, which provides researchers with a comprehensive and systematic comparison of strengths and weaknesses of behavioural interventions. Karl has been actively involved in research at Columbia's Center for Psychosocial Study of Health and Illness, Memorial Sloan-Kettering Cancer Center, the RWJ Health & Society Scholars Program, as well as completing an International Diabetes Institute Fellowship.



HEATHER PACE

U.S. Postgraduate Scholar

B.A (Biology), Whitman College

Host: Future Manufacturing Flagship, CSIRO, Sydney

Heather Pace is currently a PhD candidate in environmental science at the Colorado School of Mines. Heather will conduct research into engineered nanoparticles (ENPs) and issues with assessing their toxicity. Her project aims to develop a way to detect and characterize metal-containing ENPs in exposed biological systems to assist with safety assessments. Heather will work in conjunction with CSIRO Nanosafety team with the Future Manufacturing Flagship directed by Dr. Maxine McCall. In addition to her qualifications, Heather has won various scholarships and awards including the Sussman Scholarship for Environmental Research and the Gilbert Scholarship from the Mote Marine Laboratory.

KYLE PULA

U.S. Postgraduate Scholar

B.Sc (Mathematics/Computer Science), Greenville College;
M.A. (Mathematics), University of Denver.

Host: Monash University/University of Queensland/Australian National University

Kyle Pula is currently a PhD candidate in mathematics at the University of Denver. Kyle will conduct research in the mathematical topic of Latin squares to explore recent developments that may shed light on several old math problems. Kyle will also carry out secondary research into Latin squares with projects that are connected to computer algorithms. This research could eventually lead to more effective and efficient computational tools. Kyle has won awards for outstanding teaching and for his academic work and has published papers in several journals.



ELIZABETH WEBB

U.S. Postgraduate Scholar

B.S. Washington and Lee University

Host: University of Queensland

Elizabeth Webb has recently graduated as a biochemistry student at the Washington and Lee University in Virginia. Elizabeth will be exploring the connection between the KITLG gene, which is responsible for skin and hair pigmentation, and malignant melanoma. Elizabeth will be one of the first to search for correlations between specific variations of this pigmentation gene and melanoma risk. Malignant melanoma is the most rapidly increasing cancer in Caucasians, and early detection is crucial to effective treatment. Advances in research around this connection may help predict melanoma risk. Elizabeth has been a Cancer Research Fellow at the University of Colorado Cancer Center and has won several academic excellence awards including the James D. Davidson Memorial Fund Scholarship and the James Keith Shillington Scholarship.



SPONSORS AND SUPPORTERS

The Australian and United States governments provide the core funding for the Australian Fulbright Program. This funding is complemented by the generous support of a select group of companies, organisations, individuals and government agencies.

These partnerships support more scholarships and also develop a wider Fulbright network committed to excellence and international exchange.

CORPORATE

[BHP Billiton](#) is the world's largest diversified resources company. The Fulbright BHP Billiton Scholarship in Engineering and Science was established in 2000.

[Telstra](#) is Australia's leading telecommunications and information services company. The Fulbright Telstra Postgraduate Scholarship in Technology & Communication was initiated in 2005 to support innovation in technology and communications.

UNIVERSITIES

[The Australian National University \(ANU\)](#) assisted in supporting the establishment of the Fulbright ANU Distinguished Chair in American Political Science which commenced in 2006.

GOVERNMENT

The Department of Education, Employment and Workplace Relations, sponsored the 2009 Professional Scholar in Vocational Education and Training Scholarship.

[The Department of Education, Employment and Workplace Relations](#), sponsored the 2009 Fulbright Indigenous Scholarship.

[The Department of Foreign Affairs and Trade](#) established the Fulbright Professional Scholarship in Australia-United States Alliance Studies in 2001 to recognise the 50th Anniversary of the ANZUS Treaty.

[A new Fulbright CSIRO Postgraduate Scholarship](#) provides the opportunity for American citizens to undertake 8-12 months postgraduate research with Australia's leading and largest science research organisation, CSIRO, from 2009.

[The Fulbright ANU College of Business and Economics Postgraduate Scholarship](#) provides the opportunity for American graduates in the field of business or economics to undertake 8-12 months postgraduate research with ANU College of Business and Economics. The first Scholarship will be awarded in 2010.

FULBRIGHT STATE SCHOLARSHIPS

[Fulbright State Scholarships](#) have been established in New South Wales, Queensland, South Australia, Tasmania, Victoria and Western Australia.

The state scholarships are supported by state governments, universities and companies. Their aim is to encourage and profile research relevant to that state; and assist the building of international research links between the state and U.S. researchers and institutions.

FULBRIGHT ALUMNI SCHOLARSHIPS

[The Australian Alumni \(WG Walker\) Scholarship](#) was established in 1993 through generous contributions from Australian Fulbright Alumni to annually support a scholarship for the highest ranked Australian Fulbright Postgraduate.

[The U.S. Alumni Scholarship](#) was established in 2006 through generous contributions from U.S. Fulbright Alumni to annually support a scholarship for the highest ranked American Fulbright Postgraduate.

ADDITIONAL FULBRIGHT SCHOLARSHIPS/ FOUNDATIONS

[The Coral Sea Scholarship](#) was established by the U.S. Ambassador, Mel Sembler, and U.S. companies in 1992 in recognition of the 50th anniversary of the Battle of the Coral Sea, to support a Fulbright Professional Scholarship focusing on a business/industry issue of relevance to Australia and the United States.

[Fulbright Gregory Schwartz Enrichment Grants](#) were established in 2006 by Claire and Steven Schwartz, in memory of their son Gregory Schwartz, to assist Australian Fulbright Postgraduate Scholars to enrich their experience in the U.S.

SUPPORTERS

We also wish to thank the following for their ongoing support:

[Australian and American](#) universities for hosting the Scholars.

[Our donors](#), individuals and companies, whose generous donations help more talented Australian and Americans to have access to a unique Fulbright experience.

[Lonely Planet](#) for generously supplying the Scholars with Australian and U.S. guide books.



Australian Government



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SPONSORS



The Fulbright Commission thanks the Australian universities for their support in hosting the U.S. Fulbright Scholars. We also thank all our donors who make Fulbright Scholarships possible. For full details of donors see the Fulbright website at www.fulbright.com.au.



The Australian-American Fulbright Commission

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