

FULBRIGHT  
AUSTRALIAN-AMERICAN  
FULBRIGHT COMMISSION



2011

Fulbright U.S. Scholars







# WELCOME

On behalf of the Australian-American Fulbright Commission, it is my great pleasure to warmly welcome the eighteen 2011 Fulbright U.S. Scholars to Australia. In particular, I welcome Professor Howard Schweber, who is the first Flinders University Distinguished Chair in American Political Science.

These outstanding individuals come from a very competitive field of applicants. In Australia they will work on a fascinating and diverse range of subjects including ocean acidification, the Australian Indigenous language Warlpiri, detection and prevention of fraud, solar technology and the population dynamics of the Southern Bent-wing Bat.

Since the commencement of the Australian-American Fulbright Program in 1949 we have welcomed more than 2070 Fulbright U.S. Scholars to Australia and bid farewell to at least 2700 distinguished Fulbright Australian Scholars to the U.S.

The Fulbright experience plays a pivotal role in promoting and advancing innovations across an impressive range of disciplines. It provides recipients an opportunity to broaden their global vision, enhance their international academic competence, and develop professional networks and friendships. This in-country experience takes place within a framework that is supported through funding by sponsorship bodies and engagement with leading-edge mentors.

We greatly value the contribution and appreciate the support from all of the Fulbright Program's supporters, especially the CSIRO and the ANU College of Business Economics for each supporting a Fulbright Postgraduate Scholarship.

I wish all of the 2011 Fulbright U.S. Scholars the very best during their time in Australia.

*Tangerine Ann Holt*

**Dr Tangerine Holt**  
Executive Director  
Australian-American Fulbright Commission



# 2011 FULBRIGHT U.S. SCHOLARS

Fulbright Flinders University  
Distinguished Chair in American  
Political Science  
Professor Howard Schweber

## Senior Scholars

Professor Timothy Bralower  
Professor Virginia Carrieri-  
Kohlman  
Dr Nicole Carter  
Professor Thomas Hangartner  
Mr Curt Tofteland

## Postgraduate Scholars

Mr Marvin Alfaro  
Mr Nicholas Apollo  
Mr Stephen Aro  
Ms Emily Baldock  
Miss Margit Bowler  
Ms Jennifer DeBerardinis  
Miss Kerry Drury  
Miss Molly Gabbard  
Mr Jonathan Gelber  
Mr Matthew Hoffman  
Ms Kristen Lear  
Mr Steven Lombardo



## FULBRIGHT FLINDERS UNIVERSITY DISTINGUISHED CHAIR IN AMERICAN POLITICAL SCIENCE

### PROFESSOR HOWARD SCHWEBER

BA (Philosophy), University of Pennsylvania; JD, University of Washington; MS (History), University of Chicago; PhD (Government), Cornell University.

**Host:** Flinders University

Howard Schweber, Professor, Department of Political Science and Legal Studies at the University of Wisconsin-Madison is the inaugural Fulbright Flinders University Distinguished Chair. Professor Schweber's past research has focused on the conceptual underpinnings of American constitutionalism and liberal democracy in general, and he has written extensively on the subject. Through his Fulbright, Professor Schweber will spend five months at Flinders University examining the ways in which foundational concepts of representative government have shaped the development of Australian constitutional and political culture. His forthcoming book is his fourth (others are studies of American legal history and the First Amendment). He will be accompanied in Australia by his wife and daughter, while another son will remain in the United States to pursue graduate studies.



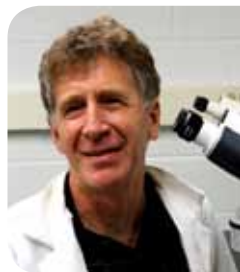
## SENIOR SCHOLARS

### PROFESSOR TIMOTHY BRALOWER

BA Honours (Geology), Oxford University, England;  
MS (Oceanography), PhD (Earth Sciences), Scripps Institution of  
Oceanography, University of California, San Diego

**Host:** The Climate Research Centre, UNSW

Professor Timothy Bralower, Professor and Head of the Department of Geosciences in the College of Earth and Mineral Sciences, Pennsylvania State University will come to the Climate Research Centre at UNSW for six months. Timothy will set up a joint U.S.-Australian project that will address ocean acidification and the issue of climate change on three levels: improving scientific understanding of ocean acidification; working with Australian geoscience departments to strengthen programs focused on climate change; and educating the broader public on pressing environmental issues by developing an on-line course, "Earth Futures". Timothy is a recognised leader in the field of paleoceanography, has published extensively, and is a dedicated educator and administrator. In his spare time he enjoys gardening, travel, and a variety of sports.



### PROFESSOR VIRGINIA CARRIERI-KOHLMAN

BS, Cornell University/New York Hospital School of Nursing;  
MS and DNSc, the University of California, San Francisco

**Host:** UTS

Professor Virginia Carrieri-Kohlman, from the Department of Physiological Nursing, University of California-San Francisco, will spend six months in Australia testing an online management intervention for chronic obstructive pulmonary disease (COPD) and other lung diseases. The program has been shown to be effective in the United States. Ginger has been recognised through various awards and prizes, including: being elected Fellow of the American Academy of Nursing; election as Helen Nahm UCSF Distinguished Research Lecturer, UCSF School of Nursing; an American Journal of Nursing Book of the Year Award; and a Cornell University-NY Hospital School of Nursing 45th Reunion Distinguished Alumnus Award. She has also published extensively. In her spare time she enjoys visiting and travelling with her three daughters, gardening and swimming.





## DR NICOLE CARTER

BS (Civil Engineering), The University of Texas at Austin;  
MS (Engineering), PhD (Civil and Environmental Engineering),  
Stanford University

**Host:** ANU

Dr Nicole Carter, Natural Resources Specialist with the Congressional Research Service at the U.S. Library of Congress, Washington, DC, will spend five months in Australia exploring factors shaping the energy sector's water use in Australia and other water resource management issues. Her research aims to identify policies that may increase the energy sector's water use and policies that could be employed to manage this use. The results of her project will inform water, energy and climate policy in Australia and elsewhere. Nicole has published extensively, including many reports to the U.S. Congress. In her spare time she enjoys hiking and water sports.



## PROFESSOR THOMAS HANGARTNER

Dipl. Phys.; Dr. sc. nat., Swiss Federal Institute of Technology, Zürich

**Host:** The University of Melbourne

Distinguished Professor Thomas Hangartner, from the College of Engineering and Computer Science, Wright State University, Dayton, Ohio will spend six months in Australia. He will study bone strength in women treated for breast cancer, as they often receive drugs that can have a negative effect on bones. He and his colleagues will develop and implement a computer model to help identify women at risk of bone fractures so they can be treated. His work will also shed light on the development of osteoporosis in healthy women. He has won various awards and prizes including: Outstanding Engineer and Scientist Award, Engineering and Science Foundation of Dayton; Fellow of the American Association of Physicists in Medicine; and Honorary Chair, Imaging Science and Biomedical Engineering, The University of Manchester. In his spare time he enjoys photography as well as playing the flute, recorder and crumhorn.



# MR CURT TOFTELAND

BFA (Music - Vocal Performance), University of North Dakota;  
MFA (Acting), University of Minnesota.

**Host:** The University of Queensland

Mr Curt L. Tofteland is the Founder and Producing Director of Shakespeare Behind Bars (SBB) - a cognitive behavioural program based in Kentucky and Michigan that encourages correctional inmates to lead productive lives. Curt will come to Australia for four months to collaborate with the Australian based Queensland Shakespeare Ensemble's Shakespeare in Prison program at the Borallon Correctional Centre. Curt's awards include: an Honorary Doctorate of Humane Letters from Bellarmine University; a Petra Fellowship; a Distinguished Alumni Award from University of Minnesota; and an Al Smith Fellowship in Playwriting from the Kentucky Arts Council. In his spare time he enjoys reading, playing the guitar, biking, and his family.





## POSTGRADUATE SCHOLARS

### MR MARVIN ALFARO

#### **2011 Fulbright CSIRO Postgraduate Scholar**

BS, University of Miami

**Host:** Climate Change Research Centre, UNSW;  
CSIRO Marine Laboratories in Hobart

Mr Marvin Alfaro, who has just completed a BS in meteorology and mathematics at the University of Miami, is the 2011 winner of the Fulbright CSIRO Postgraduate Scholarship. Marvin will study the impacts and implications of a particular ocean boundary within the Antarctic Circumpolar Current, the Antarctic Polar Front, on global climate change. He has won various awards and prizes including: an Honorary Certificate-University of Miami; a Benjamin A. Gilman International Scholarship, to study in the United Kingdom; and a National Science Foundation Computer Science and Mathematics for Scientists Scholarship. In his spare time Marvin participated in a Study Abroad Peer Mentor program at his university and is active in the Methodist church.



### MR NICHOLAS APOLLO

BS (Biomedical Engineering and Chemistry), the  
University of Pittsburgh

**Host:** Bionic Vision Australia

Mr Nicholas Apollo, a recent graduate from the University of Pittsburgh, will go to Bionic Vision Australia in Melbourne to work on ways to improve life for blind people. Nicholas will work with Dr Chi Luu and Dr Lauren Ayton to examine the structure of an implant patient's retina and measure the thicknesses of the different retinal layers using state-of-the-art optical imaging equipment and techniques. Previous work suggests that a patient with thicker retinal layers will have more success with the device. He will also investigate accessibility and safety issues for the blind community in Melbourne and surrounding areas. In his spare time Nicholas has a strong interest in music; he also volunteers in the hospital and with Habitat for Humanity, an organisation that remodels schools, churches, and homes in low income neighbourhoods.

## MR STEPHEN ARO

BS (Chemistry), Carnegie Mellon

**Host:** University of Western Australia

Mr Stephen Aro, a recent science graduate from Carnegie Mellon University, will spend a year at UWA. Stephen's Fulbright project will be to evaluate particles for use as MRI contrast agents to increase the uses of MRI imaging. The particles that Stephen will develop are iron oxide particles with a silica coating. The silica coating should prevent the particles from aggregating without weakening them, making them far more effective than current methods for improving MRI signal resolution. Stephen has won various awards and prizes, including an interdisciplinary program in nanotechnology (IUPN) fellowship through Carnegie Mellon and the National Science Foundation; he has also been on the Mellon College of Science Dean's List High Honors. In his spare time he tutors elementary school children as a volunteer.



## MS EMILY BALDOCK

**2011 Fulbright ANU College of Business and Economics Postgraduate Scholar**

BSBA (Accounting and International Business), University of Louisville

**Host:** ANU College of Business and Economics

Ms Emily Baldock, a recent graduate from the University of Louisville, will spend a year at the Australian National University. She will undertake a comparative analysis of the accounting and auditing standards being used in the U.S. and Australia to detect and prevent fraud in each country's public companies. Emily will examine the similarities and differences between the standards, determine which is more stringent, and establish whether there are more incidents in the U.S. or that the U.S. method is better at detecting them. She has received awards and prizes including: the David Calzi Ernst & Young Scholarship; the KYCPA Scholarship; The Institute of Management Accountants' Scholarship 2009; and a William F. Mayer Scholarship 2009. In her spare time she is active in university groups and enjoys exercising outdoors, playing sports, and reading.





## MS MARGIT BOWLER

BA (Linguistics), Reed College

**Host:** ANU

Ms Margit Bowler, a recent graduate from Reed College, will come Australia for a year to study the Australian Indigenous language, Warlpiri. Margit will research the syntax and semantics of sentences in Warlpiri with respect to quantifiers, words such as 'each' and 'all'. She has won various awards and prizes including: commendations in scholastic excellence from Reed; a National Science Foundation REU grant; a North Oregon Coast scholarship; and she has been a Rotary Exchange Student in Austria. She will enter a PhD program in linguistics at UCLA, with a Chancellor's Fellowship, upon completion of her Fulbright. In her spare time she enjoys traditional Scandinavian dance and is a keen musician, playing the violin and Scottish and Cape Breton fiddle.



## MS JENNIFER DEBERARDINIS

BA in Biology and Philosophy from Smith College, Massachusetts

**Host:** The University of Sydney and The University of Melbourne

Ms Jennifer DeBerardinis, who has just graduated with a BA from Smith College, will spend a year in Australia to further her research into philosophy of science. Her work will focus on explaining inconsistent scientific theories by reconciling scientific realism with a philosophical area called dialetheism, which is a view that suggests contradictions can be true. Jennifer has won various awards and prizes including: a student fellowship with the National Association of Science Writers; an Amgen Scholarship, University of California San Francisco; and a STRIDE Scholarship, Smith College. She has also conducted research in evolutionary biology (Smith College), molecular biology (University of California San Francisco), and bioengineering (Massachusetts Institute of Technology). In addition to her studies she has experience as a science journalist. In her spare time she enjoys drawing, reading and travelling.

## MS KERRY DRURY

BA (Biology), College of the Holy Cross

**Host:** Ludwig Institute for Cancer Research

Ms Kerry Drury is a recent graduate from the College of the Holy Cross, Massachusetts. Kerry will research the role played in the development of cancer by specific 'adhesion molecules', which let cells connect to other cells after they divide. Understanding this process could help lead to the development of new cancer treatments. In addition to her studies Kerry has been an American Medical Students Association Executive Board Member, an Operation Smile Committee chair, and a member of Cures for Kids - a group that organises and attends birthday parties for terminally ill children. While in Australia Kerry hopes to become involved in the Australian community by volunteering in the Oncology Unit at The Royal Children's Hospital in Melbourne.



## MS MOLLY GABBARD

BFA (Metalsmithing and Jewellery Design), Indiana University

**Host:** Gray Street Workshop, Adelaide

Molly Gabbard, a recent graduate from Indiana University, will take a residency at Gray Street Workshop in Adelaide for a year. She will research the use of animals in Australian Indigenous art, endangered Australian wildlife, and study woodcarving with internationally renowned jeweller Catherine Truman, co-founder and current partner at Gray Street. She will utilize the Tandanya National Aboriginal Cultural Institute Inc. and the Australian Aboriginal Cultures Gallery of the South Australian Museum to research the historical and current Indigenous use of animals in art. She has won various awards and prizes including: the Metalsmithing and Jewellery Design Area Award, Indiana University; The Dove Family Scholarship; and the Dean's List Indiana University. In her spare time she enjoys playing ultimate frisbee, spending time outdoors and travelling.





## MR JONATHAN GELBER

BA (Biology), Pomona College, Southern California

**Host:** UNSW and Sydney Institute of Marine Sciences (SIMS)

Mr Jonathan Gelber, an Emergency Medical Technician with the Aspen Valley Hospital, will spend a year in Australia researching the bacterium *Vibrio cholerae* (Vc), which causes the deadly illness cholera. In particular, Jonathan will research biofilms of Vc. Biofilms are aggregate formations of numerous bacteria, and recently the occurrence of cholera epidemics has been linked to the presence of Vc biofilms. Jonathan has received various awards and prizes including: a Phi Beta Kappa Award; a Sigma Xi Science Research Society award; and the Michael Rosen Outstanding Pre-medical Student Award. In his spare time Jonathan is a keen musician and has played drums, guitar, saxophone and piano in a range of bands. He also volunteers at hospitals and plans to do this in Sydney.



## MR MATTHEW HOFFMAN

**Fulbright U.S. Alumni Scholar**

BS Mechanical Engineering, Georgia Institute of Technology

**Host:** University of New South Wales

Matthew Hoffman, a recent graduate in Mechanical Engineering from the Georgia Institute of Technology in the United States, will spend a year at UNSW. His research aims to improve the efficiency of a new concept for roof-mounted solar energy production as a step towards making solar energy a more cost-effective energy solution worldwide. Working with Dr. Rosengarten in UNSW's School of Mechanical and Manufacturing Engineering, he will conduct experimental research and computational modelling to improve the heat transfer characteristics of a novel solar collector. In addition to his academic work he enjoys wilderness trekking, exploring national parks and competing in endurance sports. He looks forward to becoming involved with Sydney's multi-sport community so that he can continue to compete in triathlons and trail runs while away from the United States.

## MS KRISTEN LEAR

BA (Pre-Professional Zoology), Ohio Wesleyan University

Host: The University of Melbourne

Ms Kristen Lear, a recent graduate from Ohio Wesleyan University, will come to Naracoorte Caves National Park for a year to study population trends and breeding success of the Southern Bent-wing Bat. Kristen aims to help fill in some of the knowledge gaps *in the population trends of the Southern Bent-wing Bat through the development of an automated counting system to monitor the population*. She has won awards and prizes including the Soroptimist International Virginia M. Wagner Educational Grant and the Ohio Wesleyan John N. Chase Scholarship for academic promise in the field of zoology. In her spare time she takes part in Campus Girl Scouts and volunteers to educate the community about bats.



## MR STEVEN LOMBARDO

BSPS (Pharmacology/Toxicology), University of Toledo

Host: The University of Sydney and the Black Dog Institute

Steven Lombardo, a recent graduate from the University of Toledo, will evaluate novel flavonoids for the treatment of anxiety. Flavonoids are a class of naturally-occurring compounds synthesized by plants that have potential to be developed as anti-anxiety medications. He will also work with the Black Dog Institute on the promotion of mental illness as an important medical problem. He has received various awards and prizes including: the College of Pharmacy Centennial Scholarship; the Dr Gerald P. Sherman BSPS Scholarship; a Biomedical Summer Undergraduate Research Fellowship; and a Phi Kappa Phi Award of Excellence. In addition to his academic work he has volunteered with St Paul's Community Center, Habitat for Humanity, and the Toledo Hospital as an Inpatient Pharmacy Volunteer.



# Sponsors and supporters

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

## 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 and Communications was initiated in 2005.

## UNIVERSITIES

**The Distinguished Chair in American Political Science** will be hosted by Flinders University in Adelaide from 2011 to 2015. It will allow a key U.S. researcher to undertake a 4-5 month program in Australia.

**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 the ANU College of Business and Economics.

## GOVERNMENT

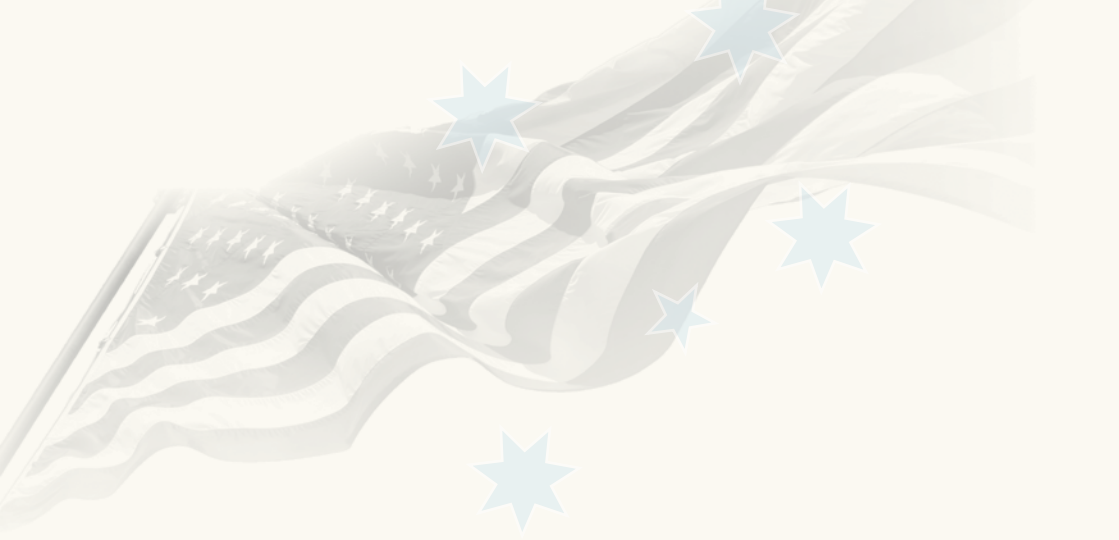
**The Department of Education, Employment and Workplace Relations** sponsored both the 2011 Professional Scholar in Vocational Education and Training and the 2011 Fulbright Indigenous Scholar.

**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. DFAT sponsored a second Professional Scholarship in 2011 to celebrate the 60th Anniversary of the Fulbright Program, and the 25th Anniversary of AUSMIN.

**The Fulbright CSIRO Postgraduate Scholarship** enables American Scholars to undertake 8-12 months postgraduate research with Australia's major science research organisation, CSIRO, from 2009.

**The Fulbright Scholarship in Nuclear Science and Technology**, sponsored by the Australian Nuclear Science and Technology Organisation, is for Australian Scholars to carry out research or study in the U.S. in the field of nuclear science or technology, from 2011.





#### FULBRIGHT STATE AND TERRITORY SCHOLARSHIPS

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

These scholarships are supported by their state and territory 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 jurisdiction 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 to annually support a scholarship for the highest ranked American Fulbright Postgraduate.

#### ADDITIONAL FULBRIGHT SCHOLARSHIPS

[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 topic 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 participate in a unique Fulbright experience.

If you would like to make a tax deductible donation to the Australian-American Fulbright Commission or to become a scholarship sponsor, please visit: [www.fulbright.com.au/sponsorships-donations.html](http://www.fulbright.com.au/sponsorships-donations.html)

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

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## STATE AND TERRITORY SCHOLARSHIPS

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### SOUTH AUSTRALIA



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