presenter biographies

Office *of* Academic Personnel

Aimée Dorr
Provost and Executive Vice President of Academic Affairs, UCOP

Aimée Dorr is provost and executive vice president of academic affairs for the University of California. As UC provost, she serves as the system's chief academic officer and leads efforts to ensure the academic excellence of UC's 10 campuses.

Provost Dorr, a professor of education at UCLA since 1981, became dean of the Graduate School of Education & Information Studies (GSE&IS) in 1999. Among the leadership positions she has held within the UC system are chair and vice chair of the UC Academic Senate and faculty representative to the UC Board of Regents.

Before joining the faculty at UCLA, Dorr was a faculty member at Stanford University, Harvard University and the University of Southern California, where she served as associate dean of the Annenberg School of Communications. At Stanford, she also served one year as special adviser to the president for childcare policy. At the same time that she became the Graduate School of Education & Information Studies dean, she became co-chair of UCLA's Academic Preparation and Educational Partnership Programs, formerly known as Outreach Programs.

Provost Dorr is a fellow of the American Educational Research Association, the American Psychological Association and the Association for Psychological Science. Her research has focused on electronic media and the processes by which young people make sense of, utilize and are affected by electronic media. Her expertise also includes policy analysis and the role of research in policy decision making. She has advised on national policy for children's television for the Federal Communications Commission and the Federal Trade Commission and on food marketing to children and youth for the Institute of Medicine.

Provost Dorr received her B.S. in mathematics from Stanford University, where she also earned her M.A. and Ph.D. in psychology.

Michael Drake
Chancellor, UC Irvine

Michael V. Drake, M.D., was appointed chancellor of the University of California, Irvine in July 2005. Since becoming chancellor, Drake has led the launch of new programs in public health, pharmaceutical sciences and nursing science, which are already providing highly trained health care professionals to meet the needs of the community. Additionally, he oversaw the creation of California's first new public law school in more than 40 years, which held its first graduation in spring 2012. Under his leadership, the campus has added nearly 5 million square feet of new space, including the 500,000-square-foot UC Irvine Douglas Hospital and the 275,000-square-foot Student Center, both delivered on time and under budget. An increasingly popular choice for students, the campus received more than 70,000 undergraduate applications this year.

Prior to Chancellor Drake's arrival at UCI, he served for five years as vice president for health affairs at the University of California Office of the President, overseeing academic program policy at UC's 15 health sciences schools located on seven campuses. He directed the special research programs in tobacco, breast cancer and HIV/AIDS; co-chaired the California/Mexico Health Initiative; launched the PRIME (Program In Medical Education) initiatives to train physicians to serve the needs of underserved populations statewide; and founded the California Health Benefits Review Program. Before that, he spent more than two decades on the faculty of the UC San Francisco School of Medicine, ultimately becoming Steven P. Shearing Professor of Ophthalmology and senior associate dean.

Chancellor Drake has received numerous honors and awards for teaching, public service and research. He is a fellow of the Institute of Medicine and the American Academy of Arts & Sciences. He is an alumnus of Stanford University (A.B.) and UC San Francisco (M.D.).

Cecilia Conrad (Keynote Address)
Vice President for Academic Affairs & Dean of the College, Pomona College

Cecilia A. Conrad, Ph.D. is the vice president for academic affairs and dean of the College and Stedman-Sumner professor of economics at Pomona College. Before her appointment as vice president, she was the interim vice president and dean of the faculty at Scripps College (2007-2009) and associate dean of Pomona College (2004-2007). She joined the faculty at Pomona in 1995. As associate dean and dean at Pomona College, Dr. Conrad has championed the College's summer undergraduate research program, led conversations regarding the value and assessment of a liberal arts college education, and worked collaboratively with the dean of students and academic departments to improve the campus climate for diversity. She has also served a leadership role within the Claremont College Consortium.

Dr. Conrad will serve as acting president of Pomona College from September 21, 2012 to January 5, 2013 during President Oxtoby's sabbatical leave. On January 15, 2012, she left Pomona College for a new position as director of the Macarthur Fellows Program in Chicago.

Dr. Conrad's research focuses on the effects of race and gender on economic status with a particular emphasis on women of color. Her work has appeared in both academic journals and nonacademic publications including *The American Prospect* and *Black Enterprise*. She has prepared policy monographs for the Joint Center for Political and Economic Studies and the California Council on Science and Technology. Her co-edited book, *African Americans in the U.S. Economy*, was designated an Outstanding Academic Title of 2005.

Dr. Conrad was the founding director of the American Economic Association's (AEA's) Committee on the Status Minority Groups in the Economics Profession (CSMGEP)'s mentoring program. Graduate students who participated in the program during Dr. Conrad's tenure as director (1998-2005), are now on the faculty of Pomona College, Harvard, Yale, Ohio State, Cornell, Weber State, and Howard Universities and on the staffs of the Mathematica Policy Institute, the Urban League, and several government agencies. Professor Conrad currently serves on the congressionally mandated Committee on the Equal Opportunity in Sciences and Engineering at the National Science Foundation.

Dr. Conrad is the editor of *The Review of Black Political Economy* and a member of the editorial board of Feminist Economics. She is serving her second term on the AEA Committee on the Status of Women in the Economics Profession and is a past member of the AEA Committee on Economic Education. She is a past president of the National Economic Association and of the International Association for Feminist Economics. She was recently elected to the board of the Western Economic Association International. She chaired the economics experts committee for OECD's Assessment of Higher Education Learning Outcomes.

In 2002, Dr. Conrad was recognized as California's Carnegie Professor of the Year, a prestigious national award that recognizes faculty members for their achievement as undergraduate professors. In the same year, she also received Pomona College's Wig Distinguished Professorship Award for Excellence in Teaching.

Dr. Conrad received her B.A. from Wellesley College where she was elected to Phi Beta Kappa and her Ph.D. in economics from Stanford University.

Albert Bennett
Dean & Professor of School of Biological Sciences, UC Irvine

Al Bennett, Ph.D. has served as dean of the School of Biological Sciences since August 2007. Dr. Bennett, a professor at UCI since 1974, previously served as chair of the school's Department of Ecology and Evolutionary Biology for eight years and as chair of the Department of Developmental and Cell Biology for three years, as well as two appointments as acting dean. Dr. Bennett's research has focused on the evolutionary and comparative physiology of animals, with special emphasis on how they adapt to diverse environmental factors, particularly temperature. He was elected a fellow of the American Academy of Arts and Sciences in 1994 and of the American Association for the Advancement of Science in 1981.

Mary Blair-Loy
Founding Director, Center for Research on Gender in the Professions & Associate Professor, Department of Sociology, UC San Diego

Mary Blair-Loy teaches Sociology and directs the Center for Research on Gender in the Professions at UC San Diego. She has a B.A. and Ph.D. from the University of Chicago and an M.Div. from Harvard University. She uses multiple methods to study gender, the economy, work, and family. Blair-Loy's award-winning book, *Competing Devotions: Career and Family Among Women Executives*, focused on these issues for executive women, while a new study addresses these issues among executive men. She currently has an National Science Foundation (NSF) ADVANCE grant to study cumulative disadvantage among STEM faculty (co-PIs Jeanne Ferrante and Erin Cech).

Susan Carlson
Vice Provost, Academic Personnel, UCOP and Professor of English, UC Davis

Dr. Susan Carlson serves as vice provost for academic personnel for the University of California Office of the President, and has responsibility for systemwide policy and practice in faculty recruitment, retention, diversity, and compensation. She is the PI on an NSF ADVANCE award with the goal of improving the diversity of faculty in University of California STEM disciplines (science, technology, engineering, mathematics). She has been awarded over $4.8M in NSF funding and serves on several national advisory boards supporting women in leadership and in science, technology, engineering, and mathematics. In July 2012, she assumed interim responsibility for several systemwide UC programs including the UC Education Abroad Program, the University of California Press, the California Digital Library, and UC Washington Center. She is a Professor of English at UC Davis. She has a Ph.D. and M.A. from the University of Oregon and a B.A. from the University of Iowa.

Susan Coutin
Associate Dean of the Graduate Division & Professor of Criminology, Law & Society and Anthropology, School of Social Ecology, UC Irvine

Dr. Susan Bibler Coutin is associate dean in the graduatedivision at UC Irvine, where she is also professor in the departments of Criminology, Law, and Society and Anthropology. Her scholarly research examines legal and political advocacy on behalf of Central American immigrants in the United States. Author or co-author of three books and numerous academic publications, she is also co-PI on the UCI Diverse Educational Community and Doctoral Experience (DECADE) project, funded by a Fund for the Improvement of Postsecondary Education (FIPSE) comprehensive grant from the Department of Education.

Barbara Dosher
Dean of School of Social Sciences & Professor of Cognitive Sciences, UC Irvine

Barbara Dosher is a Distinguished Professor of cognitive sciences at the University of California, Irvine and member of the National Academy of Sciences. She has served as dean of the UCI School of Social Sciences since 2002, and has previously been chair of the UC Irvine Academic Senate, the University of California Committee on Academic Personnel (UCAP), and the UCI Council on Academic Personnel. Dr. Dosher researches how humans perceive, remember, and retrieve information using a combination of behavioral testing and computational modeling. She received her bachelors in psychology from the University of California, San Diego in 1973 and her Ph.D. in experimental psychology from the University of Oregon in 1977. She was professor of psychology at Columbia University from 1977 until 1992, when she joined UC Irvine in the department of cognitive sciences.

Jeanne Ferrante
Associate Vice Chancellor for Faculty Equity, Associate Dean of the Jacobs School of Engineering, and Professor of Computer Science and Engineering, UC San Diego

Dr. Jeanne Ferrante's work has included the development of intermediate representations for optimizing and parallelizing compilers, most notably the Program Dependence Graph and Static Single Assignment (SSA) form. She is a fellow of the Association for Computing Machinery (ACM) and a fellow of the Institute of Electrical and Electronic Engineers. Prior to joining UC San Diego in 1994, she taught at Tufts University until 1978, and was subsequently a research staff member at IBM's T.J. Watson Research Center.

As associate dean, she co-founded UCSD Teams In Engineering Service (TIES), which partners multidisciplinary teams of undergraduates with non-profit organizations to provide long-term technical solutions. Dr. Ferrante also co-founded the UCSD Women's Leadership Alliance, whose aim is to advance leadership development, networking, and recognition of women campus leaders at UC San Diego. She was honored as a UCSD Community Champion for Diversity in 2004, and received the 2007 Athena Educator Pinnacle Award for her diversity leadership efforts.

Douglas Haynes
Director of UC Irvine ADVANCE Program & Associate Professor of History, UC Irvine

As Director of the UC Irvine ADVANCE Program, Douglas Haynes leads a team of senior faculty Equity Advisors whose efforts have contributed to steady growth in the diversity of the professoriate, expanded work-life balance policies, and augmented career advising in support of faculty retention and advancement. Noteworthy recent initiatives include the Scholarship on Diversity faculty competition, the Dependent Care Travel Program, increasing UCI participation in the UC President's Post-doctoral Fellowship Program, and coordinating the campus response to the 2010 University of California-Historically Black Colleges and Universities Initiative. He was an invited participant at the 2010 and 2011 NSF sponsored Women of Color in STEM Conclave.

Dr. Haynes is also a respected historian of modern Britain and Europe. His published scholarship and ongoing research focus on the development of the modern medical profession in relation to racial and gender politics, the origins and persistence of bio-medical disparities in the developing world, and the meaning and representation of disease and illness in the mass media.

Valerie Jenness
Dean of the School of Social Ecology & Professor of Criminology, Law & Society, Sociology, and Nursing Science, UC Irvine

Valerie Jenness is a professor in the Department of Criminology, Law and Society and the Department of Sociology and she is dean of the School of Social Ecology at UC Irvine. Her research focuses on the links between deviance and social control; the politics of crime control; social movements and social change; and corrections and public policy. She is the author of three books and many articles published in sociology, law, and criminology journals and she is the recipient of awards from the American Sociological Association, Society for the Study of Social Problems, the Pacific Sociological Association, and the University of California.

Herbie Lee
Vice Provost for Academic Affairs, Campus Diversity Officer for Faculty, and Professor of Applied Mathematics & Statistics, UC Santa Cruz

Herbert Lee is the vice provost for academic affairs, campus diversity officer for faculty, and professor of applied mathematics and statistics in the Jack Baskin School of Engineering at UC Santa Cruz. He received his B.S. from Yale University and Ph.D. from Carnegie Mellon University. His research interests include Bayesian statistics, computer simulation experiments, optimization, inverse problems, spatial statistics, and neural networks.

Frances Leslie
Dean of Graduate Division & Professor of Pharmacology and Anatomy & Neurobiology, UC Irvine

Frances Leslie is a neuropharmacologist with a primary interest in the effects of drugs of abuse on the developing brain. She holds dual faculty appointments as a professor of pharmacology and anatomy and neurobiology at UC Irvine. Over the last 31 years, Dr. Leslie has provided substantial service to graduate education at UC Irvine where she has served as associate vice chancellor for research, as well as the College of Health Sciences equity advisor for the UCI ADVANCE program. In 2007, she became associate dean of the Graduate Division and was appointed dean in 2009.

Mary Ann Mason
Professor and Co-Director of the Earl Warren Center for Law and Social Policy, UC Berkeley School of Law

From 2000 to 2007, Dr. Mary Ann Mason served as the first woman dean of the Graduate Division at UC Berkeley, with responsibility for nearly 10,000 students in more than 100 graduate programs. During her tenure, she championed diversity in the graduate student population, promoted equity for student parents, and pioneered measures to enhance the career-life balance for all faculty. Her research findings and advocacy have been central to ground-breaking policy initiatives, including the ten-campus *UC Faculty Family Friendly Edge* (http://ucfamilyedge.berkeley.edu/toolkit.html) and the nationwide "Nine Presidents" summit on gender equity at major research universities. Her recent research has focused on the leaky pipeline for women in science, *Staying Competitive: Patching America's Leaky Pipeline in the Sciences* (http://www.americanprogress.org/issues/2009/11/women_and_sciences.html). Her most recent book, co-authored with her daughter Eve Mason Ekman, is *Mothers on the Fast Track: How a New Generation Can Balance Family and Careers* (Oxford, 2007).

Yolanda Moses
Associate Vice Chancellor for Diversity, Excellence, and Equity & Professor of Anthropology, UC Riverside

Dr. Yolanda T. Moses is currently the PI on UC Riverside's ADVANCE grant, *Moving Forward: UC Riverside and Beyond*. This three-year grant implements the FORWARD (Faculty Organization foR Women's Advancement, Recognition and Development) program, a comprehensive and sustainable effort to support the professional advancement of women faculty in STEM fields at UC Riverside and build a statewide network of women of color (WOC) faculty in STEM fields at institutions throughout California from which women of color can garner professional and personal support. She is currently involved with several national higher education projects with the National Council for Research on Women, Campus Women Lead and The Women of Color Research Collective. She is also Chair of the National Advisory Board of a national public education project sponsored by the American Anthropological Association and funded by the NSF and the Ford Foundation on Race and Human Variation (www.understandingrace.org).

Luis Mota-Bravo
Director, Outreach, Research Training and Minority Science Programs, School of Biological Sciences, UC Irvine

Dr. Luis Mota-Bravo is the principal investigator of two NSF and three NIH (National Institutes of Health) research training grants to prepare underrepresented (UR) graduate, undergraduate and community college students to pursue research careers in biological sciences. In 2005, the White House awarded to the programs under Mota-Bravo's direction the institutional Presidential Award for Excellence in Science, Mathematics and Engineering (PAESMEM) for developing strategic interventions to increase the number and academic excellence of UR pursuing careers in STEM.

Diane O'Dowd
Department Chair & Professor of Developmental and Cell Biology, School of Biological Sciences, UC Irvine

Diane O'Dowd is a Howard Hughes Medical Institute Professor; professor and chair of the department of Developmental & Cell Biology; and member of the department of Anatomy & Neurobiology at UC Irvine. She has been a professor at UC Irvine since 1989. Her research lab focuses on understanding how specific genes and environmental factors regulate cellular plasticity in developing and mature neural circuits.

Dr. O'Dowd has received a number of teaching awards, including UC Irvine Professor of the Year 2011. She became a National Academies Education Mentor in the Life Sciences and an AAAS (American Academy of Arts and Sciences) Fellow in 2008. She received her B.S. in Biology at Stanford University, her Ph.D. in Biology at UC San Diego, and completed a postdoctoral fellowship in Neuroscience at Stanford University.

Linda Sax
Professor of Education, Graduate School of Education and Information Studies, UC Los Angeles

Linda J. Sax is a professor in the Graduate School of Education & Information Studies at UCLA. Her research focuses on gender differences in college student development, specifically how institutional characteristics, peer and faculty environments, and forms of student involvement differentially affect male and female college students. She is currently studying issues related to women in STEM and the experiences of students and faculty at women's colleges through grants from the NSF and the Women's College Coalition. Dr. Sax is the author of more than 70 publications, including *The Gender Gap in College: Maximizing the Developmental Potential of Women and Men*.

Carroll Seron
Chair & Professor of Criminology, Law & Society and Sociology and Law; School of Social Ecology, UC Irvine

Carroll Seron is professor and chair of the department of Criminology, Law and Society with courtesy appointments in the department of Sociology and the School of Law at UC Irvine. Dr. Seron studies the organizations and professions of law. Her book with co-authors Cynthia Fuchs Epstein, Bonnie Oglinsky and Robert Suate, *The Part-Time Paradox: Time Norms, Professional Life and Family and Gender* was among the first to cast a sociological gaze on policies and practices around work-family balance.

With Susan Silbey (MIT) and Brian Rubineau (Cornell), Seron conducted a study into the persistent gender gap in engineering. Funded by a grant from the NSF, Seron, Silbey, and Rubineau followed cohorts of entering students at four schools for five years using a variety of data gathering techniques. In 2011, they received additional funding from NSF to follow up with students five years post-graduation. Findings from this study have been published in the *American Sociological Review and Engineering Studies*.

Ram Seshadri
Associate Director of the Materials Research Lab and Professor of Materials, Chemistry & Biochemistry, UC Santa Barbara

Ram Seshadri has been in the Materials Department at UCSB since in 2002, and has been professor since July 2008. He holds an appointment in the department of Chemistry & Biochemistry as well. Dr. Seshadri serves as associate director of UC Santa Barbara's Materials Research Science and Engineering Center (NSF-MRSEC), as well as PI on an NSF IGERT (Integrative Graduate Education and Research Traineeship) grant.

Gregory Washington
Dean of Henry Samueli School of Engineering & Professor of Mechanical and Aerospace Engineering, UC Irvine

Gregory Washington has been involved in multidomain research for the last 20 years. His core area of interest lies in the area of dynamic systems: modeling and control. During this time he has been involved in the following applications: the design and control of mechanically actuated antennas, advanced control of machine tools, the design and control of Hybrid Electric Vehicles, and structural position and vibration control with smart materials. He is internationally known for his research on ultra-lightweight structurally active antenna systems and other structures that involve the use of "smart materials." He is the author of more than 140 technical publications in journals, edited volumes, and conference proceedings.

Dr. Washington received an NSF Career Award in 1996, the OSU Harrison Award for Excellence in Engineering Education and Research in 2005, two best paper awards (one with his students), and many other awards. He has served on several advisory boards, including the Air Force Scientific Advisory Board and the NSF Engineering Advisory Board.