



Tomorrow's Doctors, Tomorrow's Cures®

GREAT Group Postdoctorate Leaders Meeting

October 9-10, 2006
The Westin La Paloma
Tucson, AZ

Association of
American Medical Colleges

GREAT Group Postdoctorate Leaders Meeting

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Agenda

Monday October 9

11:00 am	Registration opens	<i>Grand Foyer</i>
12:30 – 2:00 pm	Welcome Lunch	<i>Grand Ballroom</i>
	<p>Introduction:</p> <p>John H. Russell, Ph.D. Associate Dean for Graduate Education Washington University in St. Louis School of Medicine Co-Chair, GREAT Group Postdoctorate Committee</p> <p>Nancy B. Schwartz, Ph.D. Dean for Graduate Affairs University of Chicago, The Pritzker School of Medicine Co-Chair, GREAT Group Postdoctorate Committee</p> <p>Speaker:</p> <p><i>History and Structure of the GREAT Group</i> Anthony Mazzaschi Senior Associate Vice President Division of Biomedical and Health Science Research Association of American Medical Colleges</p>	
2:00 – 3:45 pm	<p>SESSION I Career Transition Awards: Strategies for Success</p> <p>Moderator: Joan M. Lakoski, Ph.D. Assistant Vice Chancellor or Academic Career Development Health Sciences University of Pittsburgh School of Medicine</p> <p>Speakers:</p> <p><i>Evaluation of K Awards</i> Milton J. Hernandez, Ph.D. Director, Office of Special Populations and Research Training National Institute of Allergy and Infectious Diseases National Institutes of Health</p>	<i>Grand Ballroom</i>

Monday October 9, Cont.

National MS Society Career Transition Fellowship

Timothy Coetzee, Ph.D.

Director, Research Initiative and Outreach

National Multiple Sclerosis Society

3:45 – 4:15 pm

Refreshment Break

4:15 – 6:00 pm

SESSION II
Quantifying the Postdoctoral Workforce

Grand Ballroom

Moderator:

Philip S. Clifford, Ph.D.

Associate Dean for Postdoctoral Education

Medical College of Wisconsin

Speakers:

Changes in the Academic Workforce, 1971-2004

Howard H. Garrison, Ph.D.

Director, Office of Public Affairs

Federation of American Societies for Experimental Biology

NSF Postdoc Data Project

Emilda B. Rivers, M.S.

Mathematical Statistician

Division of Science Resources Statistics

National Science Foundation

NIH New Investigators Committee

Amy Bany Adams, Ph.D.

Special Assistant to the Director

Office of the Director

National Institutes of Health

7:00 pm

Dinner

Murphey

Speaker:

Arthur Gutierrez-Hartmann, M.D.

Director, Medical Scientist Training Program

University of Colorado Health Sciences Center

Chair, MD-PhD Section

Tuesday October 10

7:30 – 8:30 am	Continental Breakfast	<i>Grand Ballroom</i>
8:30 – 10:00 am	SESSION III Optimizing Postdoctoral Training	<i>Grand Ballroom</i>
	Moderator: Joel D. Oppenheim, Ph.D. Senior Associate for Biomedical Sciences New York University School of Medicine	
	Speakers: <i>GREAT Postdoc Compact: Where Do We Go From Here?</i> Trevor M. Penning, Ph.D. Professor of Pharmacology, Biochemistry and Biophysics, and OB/GYN University of Pennsylvania School of Medicine	
	<i>NPA Recommended Practices</i> Keith Micoli, Ph.D. Postdoctoral Fellow University of Alabama at Birmingham	
	<i>Interactions with Professional Societies</i> Amy L. Chang Director of Education American Society for Microbiology	
10:00 – 11:00 am	Discussion Session	<i>Grand Ballroom</i>
	Moderators: Nancy B. Schwartz, Ph.D. Dean for Graduate Affairs University of Chicago, The Pritzker School of Medicine Co-Chair, GREAT Group Postdoctorate Committee	
	Trevor M. Penning, Ph.D. Professor of Pharmacology, Biochemistry and Biophysics, and OB/GYN University of Pennsylvania School of Medicine	
11:00 am	Meeting Adjourns	

Speaker Biographical Sketches

Amy Bany Adams, Ph.D. is the Special Assistant to the Director in the Office of the Director at the National Institutes of Health.

Amy L. Chang joined the American Society for Microbiology (ASM) in 1980. Since 1990 she has served the ASM Education Board. Under her leadership, the Board sponsors for students (i) 80 national research fellowships for students and post-doctoral scientists; (ii) the Annual Biomedical Research Conference for Undergraduate Minority Students (ABRCMS) www.abrcms.org where 2700 undergraduate students present research and seek graduate school information; and (iii) annual ASM Kadner Institute for Graduate Students and Post-doctorate Scientists in Preparation of Careers in Microbiology (www.asmgap.org) where graduate students and post-docs learn about careers, grantsmanship, scientific presentations, effective teaching and mentoring, and ethics, and (iv) training in writing and reviewing for scientific journals in conjunction with the American Physiological Society. The Board is a sponsoring member of the National Postdoctoral Association, the Society for the Advancement of Chicanos and Native Americans in Science, and the Council of Graduate Schools.

The Board sponsors for educators and faculty the (i) annual Conference for Undergraduate Educators (www.asmcue.org); (ii) peer-reviewed journal on research in microbiology education called *Journal of Microbiology and Biology Education*; (iv) website of curriculum guidelines and resources, visual resources, and reviews at www.MicrobeLibrary.org. The Board has received a number of awards and leads in national reform efforts. In September 2000, the Board was bestowed with the Presidential Award for Excellence in Mentoring Underrepresented Minorities in Science, Mathematics, and Engineering Sciences. The ASM is a founding partner of the national clearinghouse of biology resources www.biosciencednet.org/portal for the National Science Digital Library Initiative. In June 1998, the Board sponsored the first Gordon Research Conference (GRC) in undergraduate microbiology education. The Board is a member of the National Association of Biology Teachers, the National Science Teacher Association, the American Association for College and Universities, and the Council for Undergraduate Research.

Philip Clifford, Ph.D., is Associate Dean for Postdoctoral Education and Professor of Anesthesiology and Physiology at the Medical College of Wisconsin. He was tapped by the Medical College of Wisconsin to create the Office of Postdoctoral Education in 2001 just prior to the publication of the COSEPUP report, "Enhancing the Postdoctoral Experience." This office serves both graduate students and postdoctoral fellows, focusing on career development issues through seminars/workshops/courses and establishment of a career center for PhD scientists. In surveys by *The Scientist* since 2003, the Medical College of Wisconsin has ranked as one of the top ten academic institutions for postdoctoral training. Dr. Clifford has participated in discussions on postdoctoral training as one of the founding members of the Advisory Board of the National Postdoctoral Association. As a part of FASEB's Science Policy Committee on Training and Careers, he was a coauthor of the Individual Development Plan for postdoctoral fellows. He is a member of the AAMC GREAT Group Committee on Postdoctoral Issues which developed the "Compact Between Postdoctoral Appointees and Their Mentors." In 2005, he was given a Postdoc Advocacy Award at the Midwest Regional Postdoctoral Symposium for his efforts in advocating Individual

Development Plans. Dr. Clifford heads an active research program investigating the physiological mechanisms regulating skeletal muscle blood flow during exercise. His research laboratory has been funded by the NIH since 1988 and has received additional funding from the American Heart Association and the Department of Veterans Affairs. He is a fellow of the American Heart Association and the American College of Sports Medicine and serves on the editorial boards of several physiological journals. He is also a consultant in the medical device industry.

Timothy Coetzee, Ph.D., is the National Multiple Sclerosis Society's Associate Vice President for Research Initiatives and Outreach. In this capacity, Dr. Coetzee is responsible for the Society's international research initiative on nervous system repair and protection in MS as well as its business development efforts. In addition, Dr. Coetzee oversees the Society's programs to recruit and train physicians and scientists in MS research.

Dr. Coetzee received his Ph.D. in molecular biology from Albany Medical College in 1993 and has been involved with MS research since then. He was a postdoctoral fellow in the laboratory of Society-grantee, Dr. Brian Popko, at the University of North Carolina at Chapel Hill, and was also the recipient of one of the Society's Advanced Postdoctoral Fellowship Awards. After completing his training with Dr. Popko, Dr. Coetzee joined the faculty of the Department of Neuroscience at the University of Connecticut School of Medicine where he conducted research that applied proteomic technology to understand how myelin is formed in the nervous system. He is the author of a number of research publications on the structure and function of myelin. Dr. Coetzee joined the Society Home Office staff in the fall of 2000.

Howard Garrison, Ph.D., is the Director of the Office of Public Affairs (OPA) of the Federation of American Societies for Experimental Biology (FASEB). Working with the elected leadership of the Federation and its 22 member societies, he develops and promotes policies to advance biomedical research. Since joining FASEB in 1993, he has restructured its legislative and federal relations program, created a nationally respected policy development program, and made FASEB a leading source of information on issues related to medical research.

Dr. Garrison earned his doctorate in sociology at the University of Wisconsin-Madison in 1976, and since 1983 his work has focused primarily on health and science policy issues. He has directed studies for the National Institutes of Health, the National Research Council, National Science Foundation, and Health Resources and Services Administration.

Dr. Garrison currently serves on the Board of Directors of the Commission on Professionals in Science and Technology and was President of the District of Columbia Sociology Society (2001-2002) and President of the Society for Applied Sociology (1990-1991).

Arthur Gutierrez-Hartmann, M.D., is a Professor in the Departments of Medicine and of Biochemistry & Molecular Genetics, and Director of the NIH-funded Medical Scientist Training Program (MSTP) at UCHSC. He received a BA in Chemistry in 1971 from the University of Texas at Austin. He graduated with an MD from the University of Texas Southwestern Medical School in 1975, and he also pursued graduate studies in the Biochemistry Dept at UTSWMS until 1977. From 1977-80, he completed his Internal Medicine residency training at Stanford University Hospital, and from 1980-83, he completed a Molecular Endocrinology training fellowship with Dr. John Baxter at

UCSF. After an initial faculty position at UCSF from 1983-85, he was recruited to the University of Colorado HSC (1985), received a PEW Scholars Award (1986-90), and has been a founding member of the MD/PhD Training Program (1985; now MSTP), the Molecular Biology Graduate Program (1986), the Cancer Center (1987), and the Reproductive Biology Graduate Program (2004). Dr. Gutierrez-Hartmann has focused much of his efforts in promoting the training of graduate students and physician scientists. He chaired the committee that revamped the first year graduate curriculum and established the "umbrella-entry" Biomedical Sciences Program. He also chaired the committee (RAC) that has established a new model whereby all first year graduate students are funded by institutional means, and serves in leadership positions in national associations dealing with graduate and physician-scientist training. Specifically, he has chaired the NIGMS/NIH BRT-A T32 study section, he was elected the 2006 President of the National Association of MD/PhD Programs and Chair of the MD/PhD Program Section of the AAMC GREAT Group. Finally, his research is focused on the role of the ETS family of transcription factors in neuroendocrine and epithelial cancers; he chaired the 2006 Prolactin Family Gordon Research Conference; serves on multiple editorial boards and he has been selected for several research awards and visiting professorships. As a clinician he attends patients with endocrine disorders and he has been inducted into the American Society of Clinical Investigation.

Milton J. Hernandez, Ph.D., is Director of the Office of Special Populations and Research Training at the National Institute of Allergy and Infectious Diseases (NIAID) within the National Institutes of Health in Bethesda, MD. Dr. Hernandez received his B.S. in Biology from St. Edward's University in Austin, TX. He then went on to receive his Ph.D. in Zoology from Texas A&M University in College Station, TX. He continued his education as a National Research Council Postdoctoral Fellow at the USAF School of Aerospace Medicine. Following his fellowship he became an Assistant Professor of Medicine and Physiology at M.S. Hershey Medical Center and then an Associate Professor of Physiology at Howard University College of Medicine in Washington, DC. After seven years there he went on to become a Grants Associate at the National Institutes of Health where he has remained since, holding positions such as Health Scientist Administrator for the Transfusion Medicine Branch of the National Heart, Lung and Blood Institute, and Director of the Office of Science Training and Manpower Development in the National Institute of Allergy and Infectious Diseases, and also Director of the Office of Special Populations and Research Training in the National Institute of Allergy and Infectious Diseases. His training experience includes acting as the lead official responsible for the NIAID training portfolio and the NIAID minority and women's health programs.

Joan M. Lakoski, Ph.D., is Assistant Vice Chancellor for Academic Career Development and the Founding and Executive Director of the Office of Academic Career Development at the University of Pittsburgh Schools of the Health Sciences, and Associate Dean for Postdoctoral Education and Professor of Pharmacology at the University of Pittsburgh School of Medicine. Dr. Lakoski received her doctoral degree from the University of Iowa, completed postdoctoral training in the Department of Psychiatry at the Yale University School of Medicine and has held faculty positions at the University of Texas Medical Branch in Galveston and the Pennsylvania State College of Medicine, including Interim Chair of the Department of Pharmacology at Penn State. She maintains an active research program investigating the neuropharmacology of aging, is a member of the graduate faculty at the University of Pittsburgh and serves on numerous study section review panels. She has been the recipient of an NIH Research Career Development Award, an Independent

Investigator Award from the National Alliance of Research on Schizophrenia, an Administrative Fellowship at The Pennsylvania State University and was a Fellow of the Committee on Institutional Cooperation Academic Leadership Program. Dr. Lakoski serves as Co-Director of the Multidisciplinary Clinical Research Career Development Program at the University of Pittsburgh and Director of Mentoring for both K12 and K30 Clinical Research Training NIH awards. She serves as Chair of the Ethics Advisory Committee of the Endocrine Society, member of the AAMC Faculty Affairs Program Planning Committee, Chair of the International Union of Pharmacology Committee on Teaching, and as an AAMC Women's Liaison Officer for the University of Pittsburgh School of Medicine and member of the AAMC GREAT Group Postdoctoral Committee. Her administrative responsibilities encompass oversight and development of comprehensive career development services, including mentoring programs for professional students, postdoctoral fellows, residents, clinical fellows and faculty to "empowering the health science professional" at the University of Pittsburgh.

Anthony (Tony) Mazzaschi is Director of CAS Affairs and Senior Associate Vice President for Biomedical and Health Sciences Research at the Association of American Medical Colleges. The CAS, or Council of Academic Societies, presently comprised of 96 academic and scientific societies, serves as faculty's voice within the AAMC's governance structure. Mr. Mazzaschi has been with AAMC for eleven years and assists in developing AAMC's research policy initiatives. He has been instrumental in organizing the Group on Research Advancement and Development, which assists in meeting the professional development needs of research deans. He serves on the board of directors of the Coalition for the Advancement of Medical Research and is PI of the AAMC-ORI Responsible Conduct of Research (RCR) Program for Academic Societies. Before joining AAMC, Mr. Mazzaschi managed the public affairs program of the American Society for Pharmacology and Experimental Therapeutics (ASPET) and was previously with the Federation of American Societies for Experimental Biology (FASEB). A native of Laconia, New Hampshire, Mr. Mazzaschi is a graduate of James Madison College at Michigan State University and spent nearly a decade working on Capitol Hill, both in a Senate personal office and as a professional staff member on a House subcommittee.

Keith Micoli, Ph.D., received his B.A. from New College in Florida, where he studied neurobiology and the neuroanatomy of sharks and rays. He obtained his Ph.D. in 2001 from the University of Alabama at Birmingham, working on the pathogenesis of AIDS. Staying at UAB for his postdoc, he worked on several projects relating to HIV/AIDS, including studies on the fusion of infected cells and the role of the cytoplasmic tail of HIV envelope and related retroviruses. He returned to his dissertation mentor for a second postdoc, and recently began studies on the development of osteoclasts and their role in osteoporosis development. He has been the lab manager for the past year, and has learned far more than is healthy about the rules and regulations of UAB and NIH.

During his first postdoc, Dr. Micoli became involved with the National Postdoctoral Association, attending the inaugural meeting in 2002 at UC-Berkeley. This experience convinced him that postdocs themselves had an important role to play in defining the nature of the postdoctoral experience, and he worked with the Policy Committee to begin a dialogue with NIH and other institutions responsible for training postdocs in the hopes of creating a more equitable and standardized training system. He was elected to the NPA Executive Board in 2003, and was named

Chairman in 2004 and to a second term in 2005. As Chair, he has worked to continue the impressive growth of the organization, and to ensure that the NPA establishes itself as the pre-eminent leader in postdoctoral issues and solutions.

Joel D. Oppenheim, Ph.D., received his B.S. degree in Zoology from the University of Wisconsin, his M.S. and Ph.D. degrees in Microbiology from Loyola University School of Medicine, and was a NIH Postdoctoral Fellow at NYU School of Medicine. A faculty member at the NYU School of Medicine in the Department of Microbiology for the past 32 years, he presently serves as the Director of the Sackler Institute of Graduate Biomedical Sciences and Senior Associate Dean for Biomedical Sciences, positions that oversee most all student research at the School of Medicine, including PhD, MD/PhD, Honors Program in Medicine, summer research program and postdoctoral training. Dr. Oppenheim serves on the NYU School of Medicine's MD and MD/Ph.D. Admissions Committees and chairs the Ph.D. Admissions Committee. Dr. Oppenheim has also served on many national advisory committees involved with graduate and postdoctoral education, including: the NIH Undergraduate Scholarship Program for Individuals from Disadvantaged Backgrounds; the NIH Minority & Disability Predoctoral Fellowship (F31) Study Section; as a reviewer of many National Academy publications; the NIH Graduate Partnerships Program and the NIH Academy. He presently serves as NYU's representative to the GREAT (Graduate Research Education and Training) Group of the AAMC. For the past four years he has been a member of the GREAT Steering Committee, and was elected Chair of the GREAT Group for 2004-2005.

Trevor M. Penning, Ph.D., Professor of Pharmacology, Biochemistry and Biophysics, and OB/GYN, is the Director of the Center for Excellence in Environmental Toxicology, a NIEHS Environmental Health Sciences Center. Dr. Penning was interim-chair of Pharmacology from 1994-1996, and was Director of the Office of Postdoctoral Programs, and Associate Dean for Postdoctoral Research Training, School of Medicine from 1997-2001, and was Director of Biomedical Postdoctoral Programs (BPP) from 2001-2005. As Director of BPP, he oversaw the appointments, training and education of 850 postdoctoral fellows across the Schools of Medicine, Veterinary Medicine, and Dental Medicine. He is internationally recognized for his research on steroid hormone enzymology and mechanisms by which polycyclic aromatic hydrocarbons cause cancer. His research is now focused on the emerging role of Aldo-Keto Reductases (AKRs) in hormonal and chemical carcinogenesis. <<http://www.med.upenn.edu/akr>> He is Principal Investigator on a P01 entitled: "Molecular Mechanisms of Multi-stage Carcinogenesis", the focus of which is to establish the major pathway of activation of polycyclic aromatic hydrocarbons as it relates to human lung carcinogenesis. He has published over 140 peer-review articles and is the recipient of five U.S. patents. He has served on the Editorial Boards of the Journal of Biological Chemistry, Chemical Research in Toxicology, and Steroids. He is a consultant to the WHO International Agency for Research on Cancer. He is Program Chair for the Division of Chemical Toxicology of the American Chemical Society and was elected to the Johns Hopkins Society of Scholars in 1998.

Emilda B. Rivers, M.S., is a mathematical statistician in the Office of the Division Director in the Division of Science Resources Statistics (SRS) at the National Science Foundation. Since arriving at SRS in 2003, she has served as the Leader of the Postdoc Data Project (PDP). The PDP is a multi-year project to determine the feasibility of gathering more in-depth information on postdoctorates (postdocs) across fields of study and employment sectors. A major component of the PDP is to determine how best to obtain a sampling frame of non-U.S. doctoral degree holders who are U.S.

postdocs. Mrs. Rivers received her M.S. in Survey Methodology from the Joint Program in Survey Methodology at the University of Maryland, College Park. Throughout her 19 years of employment in the Federal Statistical system, she has used her leadership skills, mathematics/statistics and survey methodology experience and education to manage energy consumption surveys, and to establish and conduct evaluations for two decennial censuses.

John H. Russell, Ph.D., graduated from Juniata College, Huntingdon, PA, was drafted into the army and spent one year in Vietnam. He received his Ph.D. in Pharmacology from Washington University, St. Louis, MO and did postdoctoral training in tumor immunology in the laboratory of Herman Eisen at MIT. He returned to Washington University and has been very active in the Immunology Graduate Program. Currently his research interest is in CNS inflammation and animal models of multiple sclerosis. He also currently serves as the Associate Dean of Graduate Studies for the Division of Biology and Biomedical Sciences which is responsible for the oversight of all Ph.D. Programs and the Office of Postgraduate Affairs at Washington University School of Medicine.

Nancy B. Schwartz, Ph.D., has been at the University of Chicago since 1975 and was named professor of Pediatrics and Biochemistry and Molecular Biology in 1985. Dr. Schwartz has received an Arthritis Foundation Fellowship, and AHA Established Investigatorship and NIH Research Career Development award. She is director of the Kennedy Research Center, Markey Molecular Medicine Program, the NIH Growth and Development M.D./ Ph.D. Program, an NIH Program Project (PO1), a PREP Program, two NIH RO1s, and one MERIT award, and a recently awarded NIH P30 Research Center for Mental Retardation and Developmental Disabilities. Dr. Schwartz was appointed Associate Dean for Graduate Affairs in the Division of Biological Sciences at the University of Chicago in 1986 and was named Dean for Graduate Affairs in 1999 and for Postdoctoral Affairs in 2002. She oversees all aspects of graduate education and postdoctoral affairs for 19 Ph.D. degree granting units, encompassing 450 graduate students and about 400 postdocs. She has served on many NIH study sections and foundation review boards, the editorial board of The Journal of Biological Chemistry and the Executive Committee and President of Glycocojugate Society. Dr. Schwartz has served on the Steering Committee of the GREAT Group, Chair of the Postdoc Subcommittee, Executive Committee of the National Postdoc Association, Board of Directors of the Graduate Record Exam, and is Chair-Elect of the GREAT Group.

GREAT Group Postdoctorate Committee

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Professor, Director of the Kennedy
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The Pritzker School of Medicine

Future Meetings

2006

AAMC Annual Meeting
October 27 – November 1, 2006
Seattle, WA

2007

GREAT Group MD-PhD Section Annual Meeting
July 26-27, 2007
Keystone, CO

MD-PhD Student Conference
July 27-29, 2007
Keystone, CO

GREAT Group Annual Meeting
October 20-22, 2007
Providence, RI