



Tomorrow's Doctors, Tomorrow's Cures®

**Group on Graduate Research, Education, and
Training (GREAT)
MD-PhD Section Annual Meeting
Advancing the Training of Physician-Scientists: MD-PhD
Programs and Beyond**

October 2 - 4, 2008
Grand Hyatt Seattle
Seattle, Wash.

Association of
American Medical Colleges

Group on Graduate Research, Education, and Training (GREAT)

MD-PhD Section Annual Meeting

Advancing the Training of Physician-Scientists: MD-PhD Programs and Beyond

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FACULTY DISCLOSURE STATEMENT

Harvard Medical School has long held the standard that its continuing medical education program be free of commercial bias.

Now, in accord with the disclosure policy of the Medical School as well as standards set forth by the Accreditation Council on Continuing Medical Education, speakers and their spouses/partners, and planners have been asked to disclose any relationship they have to companies producing pharmaceuticals, medical equipment, prosthesis, etc. that might be germane to the content of their lectures. Please note that in accordance with recent policies from the ACCME, relationships of the person involved in the CME activity must include financial relationships of a spouse or partner. In addition, speakers are asked to list any off label uses they will discuss of pharmaceuticals and devices for investigational or non-FDA approved purposes.

Such disclosure is not intended to suggest or condone bias in any presentation, but is elicited to provide registrants with information that might be of potential importance to their evaluation of a given talk.

1. The following speakers, spouses/partners, and planners have reported no relevant relationships with industry:

<i>Olaf S. Andersen, M.D.</i>	<i>Perry V. Halushka, M.D., Ph.D.</i>	<i>Emilda B. Rivers, M.S.</i>
<i>Roberta Bernstein, Ph.D.</i>	<i>Clifford V. Harding, M.D., Ph.D.</i>	<i>Terry B. Rogers, Ph.D., M.S.</i>
<i>John L. Bixby, Ph.D.</i>	<i>Leroy Hood, M.D., Ph.D.</i>	<i>John Russell, Ph.D.</i>
<i>Ann C. Bonham, Ph.D.</i>	<i>Mary Horton, M.P.A., M.A.</i>	<i>Lisa Satlin, M.D.</i>
<i>Lawrence Skip Brass, M.D., Ph.D.</i>	<i>Terri Goss Kinzy</i>	<i>Walter T. Schaffer, Ph.D.</i>
<i>Nancy J. Brown, M.D.</i>	<i>David Korn, M.D.</i>	<i>Nancy B. Schwartz, Ph.D.</i>
<i>Roger Chalkley, D. Phil.</i>	<i>Maggie Krall</i>	<i>Kevin Shannon, M.D.</i>
<i>Jan F. Chelbowski, Ph.D.</i>	<i>Joan M. Lakoski, Ph.D.</i>	<i>Bert Shapiro, Ph.D.</i>
<i>Sonja Cox</i>	<i>Sandra H. Lee, M.D., Ph.D.</i>	<i>Tammi L. Simpson, M.A., M.B.A.</i>
<i>Kathy Crawford, B.B.A</i>	<i>Robinna G. Lorenz, M.D., Ph.D.</i>	<i>Tanya P. Smith</i>
<i>Mary DeLong, Ph.D.</i>	<i>Jodi Lubetsky, Ph.D.</i>	<i>Brian Sullivan, M.A.</i>
<i>Christine Des Jarlais, Ed.D.</i>	<i>Nancy Malson</i>	<i>Nancy Thompson, Ph.D.</i>
<i>David Engman, M.D., Ph.D.</i>	<i>Richard McGee, Ph.D.</i>	<i>Doris E. Thornton, M.Ed.</i>
<i>Victoria Freedman, Ph.D.</i>	<i>Dianna M. Milewicz, M.D., Ph.D.</i>	<i>Mary Anne Timmins</i>
<i>Richard Freeman, Ph.D.</i>	<i>Wishwa N. Kapoor, M.D., M.P.H.</i>	<i>Jana Toutolmin</i>
<i>Michael J. Friedlander, Ph.D.</i>	<i>Charlotte V. Kuh, Ph.D.</i>	<i>Sharon Welling</i>
<i>Don Ganem, M.D.</i>	<i>M. Kerry O'Banion, M.D., Ph.D.</i>	<i>Clayton A. Wiley, M.D., Ph.D.</i>
<i>Gwen Garrison, Ph.D.</i>	<i>Yvonne Paterson, Ph.D.</i>	<i>Valerie P. Wilson, Ph.D.</i>
<i>James R. Goldenring, M.D., Ph.D.</i>	<i>Karen Peterson, Ph.D.</i>	<i>Henry Wortis, M.D.</i>
<i>Ruth Gotian, M.S.</i>	<i>Bruce Ransom, M.D., Ph.D.</i>	<i>Allan Yates, M.D., Ph.D.</i>
<i>Arthur Gutierrez-Hartmann, M.D.</i>	<i>Richard F. Rest, Ph.D.</i>	<i>Michael J. Zigmond, Ph.D.</i>

2. The following speakers, spouses and planners have reported receiving something of value* from a company whose products may be germane to the content of their presentations:

NAME	COMPANY	RELATIONSHIP
<i>Philip S. Clifford, Ph.D.</i>	<i>Smith Medical</i>	<i>Consultant</i>
	<i>Spacelabs</i>	<i>Consultant</i>
	<i>ITEC Engineering</i>	<i>Consultant</i>
<i>Thomas O. Daniel, M.D.</i>	<i>Celgene</i>	<i>Employee</i>
<i>Emma A. Meagher, M.D.</i>	<i>Novartis</i>	<i>Consultant</i>
	<i>Abbott Labs</i>	<i>Consultant</i>
	<i>Reliant</i>	<i>Consultant</i>
<i>Perry B. Molinoff, M.D.</i>	<i>Palatin Technologies</i>	<i>Board of Directors</i>
	<i>Cypress Bioscience, Inc.</i>	<i>Board of Directors</i>
	<i>Advinus Therapeutics</i>	<i>Scientific Advisory Board</i>
	<i>NPS Pharmaceuticals</i>	<i>Consultant</i>
<i>Peter V. Scoles, M.D.</i>	<i>NBME</i>	<i>Employee</i>

*"Something of value" refers to an equity position, receipt of royalties, consultantship, funding by a research grant, receiving honoraria for educational services elsewhere, or to any other relationship to a company that provides sufficient reason for disclosure, in keeping with the spirit of the stated policy.

ACCME STATEMENT

Harvard Medical School is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Harvard Medical School designates this educational activity for a maximum of 13.5 AMA PRA Category 1 Credit(s)TM. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Agenda

Thursday, October 2

Noon – 5:30 pm **Registration/Information** **Eliza Anderson Foyer**

2:00 – 2:15 pm **Welcome and Announcements** **Eliza Anderson Amphitheater**

David M. Engman, M.D., Ph.D.

Director, Medical Scientist Training Program

Northwestern University – Feinberg School of Medicine

2:15 – 4:15 pm **General Session** **Eliza Anderson Amphitheater**

MD-PhD Best Practices 2008:

Advising and Tracking of Trainees and Graduates

Moderators:

Clayton Wiley, M.D., Ph.D.

Director, Medical Scientist Training Program

University of Pittsburgh School of Medicine

Sandra Lee, Ph.D., M.Ed.

Associate Director, Medical Scientist Training Program

Northwestern University – Feinberg School of Medicine

Speakers:

Gwen Garrison, Ph.D.

Director of Student and Applicant Studies

Association of American Medical Colleges

Terry Rogers, Ph.D., M.S.

Director, MD-PhD Program

University of Maryland School of Medicine

Clifford Harding, M.D., Ph.D.

Professor of Pathology

Director, Medical Scientist Training Program

Case Western Reserve University School of Medicine

Brian Sullivan, M.A.

Administrative Director, Medical Scientist Training Program

Washington University in St. Louis School of Medicine

Thursday, October 2 (Continued)

Of the many complexities of managing MD-PhD programs, providing coherent and meaningful advice throughout a complex training plan presents substantial challenges. We have surveyed how different sized programs have met these challenges and have developed advising systems. After presenting general survey results, representatives from programs of different sizes will describe their approaches to advising MD-PhD trainees and then as a panel discuss novel solutions with the audience. Tracking the success of our trainees also presents evolving challenges. We will present and discuss approaches to locally tracking current students and new AAMC efforts to track alumni on a national level.

4:15 – 4:45 pm Break **Princessa Foyer**

4:45 – 6:00 pm **MD-PhD Section Business Meeting** **Eliza Anderson Amphitheater**

Presiding:

David M. Engman, M.D., Ph.D.

Director, Medical Scientist Training Program
Northwestern University – Feinberg School of Medicine

6:30 – 8:30 pm **MD-PhD Section Dinner** **Princessa Ballroom II**
MD-PhD Programs: 50 Years of Success in Training
Physician-Scientists

Moderator/Speaker:

Skip Brass, M.D., Ph.D.

Associate Dean, Combined Degree & Physician Scholar Program
Professor of Medicine, Pathology & Pharmacology
University of Pennsylvania School of Medicine

Tribute to Lee Van Lenten

Speaker:

Bert Shapiro, Ph.D.

Director, Medical Scientist Training Program
Chief, Cell Biology Branch
National Institute of General Medical Sciences

Thursday, October 2 (Continued)

Presentation of Service Awards

Speakers:

David M. Engman, M.D., Ph.D.

Director, Medical Scientist Training Program

Northwestern University – Feinberg School of Medicine

Jana Toutolmin

Administrative Director

Medical Scientist Training Program

University of California, San Francisco

**In recognition of outstanding leadership in promoting the education
of the students in the MD-PhD Program**

10 Years

Skip Brass, M.D., Ph.D., Director

University of Pennsylvania MD-PhD Program

Paul S. Cook, Program Administrator

University of Wisconsin Medical Scientist Training Program

Mary-Claire King, Ph.D., Co-Director

University of Washington Medical Scientist Training Program

15 Years

Maureen Holstad, Program Administrator

University of Washington Medical Scientist Training Program

20 Years

Lawrence A. Loeb, M.D., Ph.D., Director

University of Washington Medical Scientist Training Program

25 Years

Linda D. Burnley, Director of Administration & Finance

Harvard-MIT MD-PhD Program

Friday, October 3

7:00 am – 6:30 pm	Registration/Information	Lobby Alcove
7:00 – 8:00 am	MD-PhD New Members Breakfast	Menzies
7:00 – 8:00 am	Breakfast for MD-PhD Section Members	Princessa Ballroom I
8:00 – 10:00 am	General Session Thinking out of the Box: Building an MD-PhD Program from Scratch	Eliza Anderson Amphitheater

Moderators/Speakers:

Skip Brass, M.D., Ph.D.

Associate Dean, Combined Degree & Physician Scholar Program
Professor of Medicine, Pathology & Pharmacology
University of Pennsylvania School of Medicine

Dianna M. Milewicz, M.D., Ph.D.

Director, MD-PhD Program
The University of Texas Medical School at Houston and
M.D. Anderson Cancer Center

Roberta Bernstein, Ph.D.

Coordinator, Medical Scientist Training Program
University of Illinois College of Medicine

Speakers:

Myles Akabas, M.D, Ph.D.

Director, Medical Scientist Training Program
Albert Einstein College of Medicine of Yeshiva University

M. Kerry O'Banion, M.D., Ph.D.

Associate Professor of Neurobiology
Co-Director, MD-PhD Program
University of Rochester School of Medicine and Dentistry

Sandra Lee, M.D., Ph.D.

Associate Director, Medical Scientist Training Program
Northwestern University – Feinberg School of Medicine

Clayton Wiley, M.D., Ph.D.

Director, Medical Scientist Training Program
University of Pittsburgh School of Medicine

Friday, October 3 (continued)

Perry V. Halushka, M.D., Ph.D.
 Dean, Graduate Studies
 Medical University of South Carolina
 College of Medicine

Panelists:

Olaf S. Andersen, M.D.
 Program Director
 Cornell University Medical College
 Rockefeller/Sloan-Kettering Tri-Institutional

Robinna G. Lorenz, M.D., Ph.D.
 Director, Medical Scientist Training Program
 University of Alabama School of Medicine

Arthur Gutierrez-Hartmann, M.D.
 Medical Scientist Training Program Director
 University of Colorado School of Medicine

David M. Engman, M.D., Ph.D.
 Director, Medical Scientist Training Program
 Northwestern University – Feinberg School of Medicine

This session examines a subject near and dear to our hearts: how can we provide the best possible training for our students during the time that they spend with us. Maybe you don't have the luxury of starting from scratch, but if you did, what would you do differently? Alternatively, how can you start with what you already have and improve it? The session speakers will present some of their best "cool ideas" and share the experiences that they had as they worked to make their programs better than ever. Take their ideas with you - try them at home.

10:00 – 10:30 am	Break	Leonessa Foyer
10:30 am – 12:30 pm	General Session Research Residency Training for MD-PhD Graduates: Handing off the Baton	Eliza Anderson Amphitheater

Friday, October 3 (continued)

Moderators:

Lisa M. Satlin, M.D.

Professor of Pediatrics and Medicine
Director, MD-PhD Program
Mount Sinai School of Medicine

Myles Akabas, M.D., Ph.D.

Director, Medical Scientist Training Program
Albert Einstein College of Medicine of Yeshiva University

Speakers:

Don Ganem, M.D.

Professor of Microbiology and Medicine
University of California San Francisco

Bruce Ransom, M.D., Ph.D.

Warren and Jermaine Magnuson Professor and
Chair Department of Neurology
University of Washington School of Medicine

James R. Goldenring, M.D., Ph.D.

Paul W. Sanger Professor of Surgery
Professor of Cell and Developmental Biology
Vanderbilt University School of Medicine

MD-PhD programs provide rigorous integrated graduate training in scientific research and clinical medicine with the goal of training physician-scientists poised to make major contributions to the understanding and improvement of human health. The training of physician-scientists does not end with receipt of the MD-PhD degree but demands support, guidance and close mentorship throughout residency and fellowship training. To this end, a number of academic institutions have developed ‘physician-scientist’ training tracks in their residency and fellowship training programs specifically tailored to protect the interests of MD-PhD graduates.

The goal of this session is to explore models of research residency training for MD-PhD graduates, focusing on successes and challenges in creating an academic culture that attracts, trains, nurtures and sustains physician-scientists in the transition from trainee to independent faculty member.

Friday, October 3 (continued)

12:30 – 2:30 pm

Lunch with Formal Welcome**Princessa Ballroom****Joint Session with GREAT Group and Postdoctorate Leaders Section****Data Collection Management and Interpretation****Needs and Challenges**

Welcome:

Allan Yates, M.D., Ph.D.

Director, MD-PhD Program

Ohio State University Medical Center

GREAT Group Chair

David Korn, M.D.

Chief Scientific Officer

Association of American Medical Colleges

Speakers:

Roger Chalkley, D. Phil.

Senior Associate Dean for Biomedicine Research, Education, and Training

Vanderbilt University School of Medicine

Gwen Garrison, Ph.D.

Director of Student and Applicant Studies

Association of American Medical Colleges

Charlotte V. Kuh, Ph.D.

Deputy Executive Director, Policy and Global Affairs

The National Academies

Many important activities related to research education (e.g. training grants, annual reports and budgets, local and national surveys, etc.) require accurate data from several different administrative areas. Existing data are often located in different sites and formats making collection difficult, and some information may not be collected prospectively causing additional problems. Data collection and retrieval for many of these purposes would be simplified and provide more reliable information if there were one standardized information system maintained by local institutions that could interface with national information systems such as those maintained by the NRC, MD-PhD Directors, and AAMC. Speakers in this session will discuss their experience with these issues at both the local and national levels, and how they have dealt with them. During the open discussion the level of enthusiasm by the GREAT members for developing such an information system will be explored.

Friday, October 3 (continued)

2:30 – 3:00 pm Break **Leonessa Foyer**

3:00 – 5:30 pm **General Session** **Leonessa Ballroom**
Joint Session with GREAT Group and Postdoctorate Leaders Section
Translational and Clinical Research Training in CTSA
What is working and what is not working

Moderator:

Joan M. Lakoski, Ph.D.

Associate Dean for Postdoctoral Education
 University of Pittsburgh School of Medicine

Panelists:

Wishwa N. Kapoor, M.D., M.P.H.

Science Institute Director
 Institute for Clinical Research Education
 University of Pittsburgh Medical Center

Emma A. Meagher, M.D.

Associate Professor, Medicine and Pharmacology
 University of Pennsylvania

Nancy J. Brown, M.D.

Associate Dean for Clinical and Translational Scientist Development
 Vanderbilt University School of Medicine

The advent of the NIH Clinical and Translational Science Awards (CTSAs) is transforming many aspects of how clinical and translational research is supported, organized and conducted. Training in clinical and translational research is a critical objective of CTSAs. This session will involve presentations by a panel of CTSA leaders with a focus on the impact of the CTSA initiative on various training programs, including PhD training, combined degree (e.g. MD-PhD) training and post-doctoral training. There will be a short period for questions after each talk, but more discussion time will be available in the after-dinner Q & A session with the same panelists.

6:00 – 6:30 pm **Reception** **Princessa Foyer**
Joint Reception with GREAT Group and Postdoctorate Leaders Section

Friday, October 3 (continued)

6:30 – 8:30 pm

Dinner and Panel Discussion

Princessa Ballroom

Joint Dinner with GREAT Group and Postdoctorate Leaders Section

Moderator:

Clifford V. Harding, M.D., Ph.D.

Program Director, Medical Scientist Training Program

Case Western Reserve University School of Medicine

Saturday, October 4

7:00 – 10:30 am	Registration/Information	Lobby Alcove
7:00 – 8:00 am	MD-PhD Section Steering Committee Breakfast Meeting (by invitation only)	Tolmie
7:00 – 8:00 am	Continental Breakfast	Princessa Ballroom
8:00 – 10:30 am	General Session Joint Session with GREAT Group and Postdoctorate Leaders Section Forces Driving Changes in Science and Research Education at Academic Medical Centers	Leonessa Ballroom

Moderator:

Nancy B. Schwartz, Ph.D.

Dean for Graduate and Postdoctoral Affairs

University of Chicago, The Pritzker School of Medicine

Speakers:

Kevin Shannon, M.D.

Director, Medical Scientist Training Program

University of California, San Francisco

Michael J. Friedlander, Ph.D.

Professor and Chair, Department of Neuroscience

Baylor College of Medicine

Peter V. Scoles, M.D.

Senior Vice President, Assessment Programs

National Board of Medical Examiners

Walter T. Schaffer, Ph.D.

Senior Advisor for Extramural Research

National Institutes of Health

Numerous forces are driving changes in the traditional role of basic science and research education in the evolving academic medical center. This session will explore inter-institutional dynamics between medical school curricular reform and the role of basic scientists and basic science departments. As well, external influences brought on by accrediting and federal funding agencies are amplifying challenges in the research education-focused arena.

Saturday, October 4 (continued)

8:00 – 10:30 am

MD-PhD Administrator Session

Stevens

Moderators:

Nancy MalsonAdministrator, MD-PhD Program
University of Maryland School of Medicine**Sonja Cox**Program Coordinator, MD-PhD Scholars Program
University of Nebraska College of Medicine

Speakers:

Sharon WellingDirector of Finance & Administration
Johns Hopkins University School of Medicine**Maggie Krall, B.A.**Director of Administration
Combined Degree and Scholars Program
University of Pennsylvania School of Medicine**Mary Horton, M.P.A., M.A.**Co-Director, MD-PhD Program
Emory University**Kathy Crawford, B.B.A.**Director, Administrative Operations (MD-PhD Program)
Medical Scientist Training Program
Baylor College of Medicine**Ruth Gotian, M.S.**Administrative Director
Weill Cornell/Rockefeller/Sloan-Kettering
Tri-Institutional MD-PhD Program and
Gateways to the Laboratory Program**Doris E. Thornton, M.Ed.**Program Administrator
University of Texas
Health Sciences Center at Houston

Saturday, October 4 (continued)

Building Institutional Relationships: Panel Discussion - How administrators can develop better relationships with graduate program administrators, faculty, student affairs, curriculum committees, and medical school faculty. This session will include discussion on how to build a network for Administrators to better assist students in navigating the system.

Student Advising from Start to Finish: Panel Discussion - Roles program administrators play in a student's progress during medical and graduate school years. Discussion will include advisement of students in the early years prior to joining a research lab, during transition years, return to medical school and applying for residencies.

10:30 am

Meeting Adjourns

Group on Graduate Research, Education, and Training MD-PhD Section Steering Committee

Skip Brass, M.D., Ph.D. – Past Chair

Associate Dean, Combined Degree & Physician
Scholar Program
Professor of Medicine, Pathology &
Pharmacology
University of Pennsylvania School of Medicine

David M. Engman, M.D., Ph.D. – Chair

Director
Medical Scientist Training Program
Northwestern University – Feinberg School of
Medicine

Ruth Gotian, M.S.

Administrative Director
Weill Cornell Medical College

M. Kerry O'Banion, M.D., Ph.D.

Associate Professor of Neurobiology
Director, Medical Scientist Training Program
University of Rochester
School of Medicine and Dentistry

Cornell University

Terry B. Rogers, Ph.D., M.S.

Director, MD-PhD Program
University of Maryland School of Medicine

Jana Marie Toutolmin

Administrative Director
Medical Scientist Training Program
University of California, San Francisco

**Clayton Alexander Wiley, M.D., D.Phil. – Chair
Elect**

Associate Dean, Director of Medical Scientist
Training Program and Professor of Pathology
University of Pittsburgh

Group on Graduate Research, Education, and Training MD-PhD Section Program Committee

Myles Akabas, M.D., Ph.D.

Director, Medical Scientist Training Program
Professor of Physiology & Biophysics,
Neuroscience and Medicine
Albert Einstein College of Medicine

Roberta Bernstein, Ph.D.

Coordinator, Medical Scientist Training
Program
University of Illinois College of Medicine

Skip Brass, M.D., Ph.D.

Associate Dean, Combined Degree & Physician
Scholar Program
Professor of Medicine, Pathology &
Pharmacology
University of Pennsylvania School of Medicine

Sonja A. Cox

Program Coordinator, MD-PhD Scholars Program
University of Nebraska College of Medicine

David M. Engman, M.D., Ph.D.– Chair

Director, Medical Scientist Training Program
Northwestern University – Feinberg School of
Medicine

Kevin Shannon, M.D.

Pediatrics Hematology/Oncology
University of California, San Francisco

Clifford Harding, M.D., Ph.D.

Professor of Pathology
Case Western Reserve University
School of Medicine

Sandra Lee, Ph.D., M.Ed.

Associate Director, Medical Scientist Training
Program
Northwestern University – Feinberg School of
Medicine

Nancy Malson

Administrator
University of Maryland School of Medicine

Dianna M. Milewicz, M.D., Ph.D.

Director, MD-PhD Program
University of Texas Medical School at Houston

Lisa M. Satlin, M.D.

Professor of Pediatrics and Medicine
Associate Dean for Graduate Education in
Translational Research
Director, MD-PhD Program
Chief, Division of Pediatric Nephrology

Clayton A. Wiley, M.D., D.Phil.

Associate Dean, Director, Medical Scientist
Training Program and Professor of Pathology
University of Pittsburgh

Allan Yates, M.D., Ph.D.

Director, MD-PhD Program
Ohio State University College of Medicine

Future Meetings

2008

2008 AAMC Annual Meeting

October 31-November 5

San Antonio, Texas

2009

MD-PhD Section Annual Meeting

July 23-25

Keystone, Col.

Postdoctorate Leaders Section Annual Meeting

October 15-17

St. Louis, Mo.

GREAT Group Annual Meeting

October 16-18

St. Louis, Mo.

2009 AAMC Annual Meeting

November 6-11

Boston, Mass.