

In this Issue . . .

Featured article	pg. 1
<i>Mentor: Part I</i>	
Save the Date	pg. 1
HPD Research Approvals	pg. 2
Research Office Contact Info.....	pg. 2



Volume 1 #9 March 2008

Save the Date

Hispanic and HBCU Grant Writing Workshop for Health Services and Health Disparities Researchers

Thursday, April 3 and
Friday, April 4, 2008
8:30 AM to 4:40 PM

Nova Southeastern University
Fort Lauderdale, FL 33328
University Center, Club Box
No fee/Registration required

Please share this notice with
researchers, colleagues and
graduate students.

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Hosted by:
Nova Southeastern University

Sponsored by:
The Centers for
Medicare and Medicaid Services
and the National HBCU Research
Network for Health Services
and Health Disparities

Look for the next issue
just after Easter!

MENTOR: PART I

Editor's Note: In a recent edition of *Academic Medicine*, an article advanced a framework to support research mentorship.¹ Given that NSU is moving towards a research paradigm it is important that we have adequately trained researchers. Therefore, we are starting a series about research mentorship. If you have comments, questions or would like to contribute to this series please contact us.

Introduction²

Research conducted by established investigators together with scientists-in-training (students) is part of the complex pattern of pre- and postdoctoral training that has evolved in much of science over the last 50 years. Scientists who work with trainees on research projects, and the institutions that support them, are responsible for ensuring that their fellows receive the best possible training in how to conduct research, as well as how to develop and achieve career goals throughout the training period. The fulfillment of this responsibility as part of research training is known as mentoring.

Research training is a complex process starting with formal courses in undergraduate and graduate years, carrying through to personal interactions with faculty during early research projects, and on to continuing education at meetings and courses throughout one's career. It is the responsibility of each training institution to establish and optimize learning opportunities, but ultimately it is up to each trainee to tailor his or her own education to meet career goals.

Training in the skills of mentorship itself is important, especially for those

who plan careers in research or teaching. Mentors should learn to train and guide others, for example, by working with more junior individuals, supervising technical staff, or training students. The characteristics considered important by a student/post-doc in selecting a supervisor and other mentors--interest in contributing to the career development of another scientist, research accomplishments, professional networking, accessibility, and past success cultivating the professional development of fellows--are characteristics that trainees may eventually strive to emulate in their own careers.

In the beginning, supervisors should monitor the work closely to ensure that fellows learn and use appropriate methods, keep good records, and examine, analyze, and interpret data frequently and appropriately. In all cases, training should allow the trainee to take on an increasingly independent role in identifying research problems, formulating hypotheses, designing and conducting experiments, and presenting results to other scientists. At the outset, the major research goals of trainees and their supervisors should be congruent. As the student matures and prepares to define a scientific niche, a good mentor knows when to step back and allow more independence.

1. Keyser, D. J., Lakoski, J. M., Lara-Cinisomo, S., Schultz, D. J., Williams, V. L., Zellers, D. F., et al. (2007). Advancing institutional efforts to support research mentorship: A conceptual framework and self-assessment tool. *Academic Medicine*, 83(3), 217-225.

2. Gottesman, M. M. (1999). A guide to training and mentoring in the Intramural Research Program at NIH. Retrieved March 5, 2008 from <http://www1.od.nih.gov/OIR/sourcebook/ethic-conduct/mentor-guide.htm>

The Office of Research in the Health Professions Division provides support for the faculty and staff of the Health Professions Division in their efforts to obtain and conduct research, while ensuring compliance with NSU policy, sponsor policy, and applicable law.

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Due to the large number of research approvals for March, we will resume our "Featured Researcher" column in the April issue of F. O. R. - Focus on Research.

HPD Research Approvals for March 2008

<i>College</i>	<i>Investigator</i>	<i>Protocol Title</i>	<i>Sponsor</i>	<i>Amount</i>	<i>Duration</i>
Dental Medicine	Franklin Garcia-Godoy	A Clinical Trial to Compare the Safety and Efficacy of Two Marketed Whitening Products	Procter & Gamble Company	\$25,000	one year
Dental Medicine	Christy Lawhon	Evaluate the Smear Layer of Permanent Teeth Treated with Phosphoric Acid versus Naval Jelly	NSU-HPD	\$3,000	one year
Dental Medicine	Virat Khanna	Examination of Geographic Distribution of Pediatric Dentists in Florida and their Participation in the Florida Medicaid Program	NSU-HPD	\$2,570	one year
Dental Medicine	Brian Bray	The Effect of Axiographic Tracings after Low-load Prolonged Stretching of the Muscles of Mastication	NSU-HPD	\$3,000	one year
Dental Medicine	Ellen Mark	In Vitro Wear and Surface Roughness on Nano-composites after Simulated Toothbrushing	NSU-HPD	\$3,000	one year
Dental Medicine	Kory McHenry	A Comparison of Human and Bovine Teeth for Enamel Adhesion Testing	NSU-HPD	\$3,000	one year
Dental Medicine	Joshua L. Goldknopf	A Comparison of Shear Bond Strength between Pre-Coated and Uncoated Brackets Cured with Plasma and LED Lights	NSU-HPD	\$2,730	one year
Dental Medicine	Sandra Carvalho	Screw Fatigue during Laboratory Fabrication of a Screw Retained Implant Crown	NSU-HPD	\$3,000	one year
Dental Medicine	Taidy Costoya	Effect of Delaying Time Between Packing and Processing Heat-polymerized Denture Acrylic	NSU-HPD	\$3,000	one year
Dental Medicine	Sheila Chandrasasa	Regenerative Endodontics: Investigation of the Reac- tions of the Human Dental Pulp to Three Types of Tis- sue Engineering Scaffolds in an Ex Vivo Model	NSU-HPD	\$5,450	one year
Dental Medicine	Douglas Herrera	Preclinical Trials of Regenerative Endodontic Root Canal Therapy	NSU-HPD	\$3,000	one year
Pharmacy	Nisaratana Sangasubana	2008 Florida Pharmacist Survey	NSU-HPD	\$5,000	one year