

MICHELSON, KELLY

November 9, 2007

Re: Medical Student Summer Research Program (MSSRP) and Research Thesis Program (RTP): Mentor Information

Dr. Green,

I am writing to express interest in becoming a mentor for the Medical Student Summer Research Program. I have had the good fortune, over the last several years, to work with some outstanding mentors who have helped me pursue and achieve a number of career and research-related goals. During this time, I have gained a great deal of respect for the potential of the mentor-mentee relationship to positively impact the careers of young, upcoming physician scientists. I hope to pass along to others the same kind of solid advice, encouragement and support that I have been so fortunate to receive.

But admittedly, I also recognize the potential for mutual gain in the mentor-mentee relationship. In mentoring a number of fellows, residents, and medical students over the last few years, I appreciate the energy, freshness, and sharp-witted intellectual curiosity that the people I've worked with contribute. That unique level of inquiry serves to advance my work in important and exciting directions, while at the same time fosters confidence and determination in the mentee. This kind of relationship forms the building blocks for many quality academic pursuits.

I value the opportunity to work with medical students as they explore clinical research. I hope that working with me will expose students to new and interesting concepts and open them up to a unique range of scientific inquiry.

Below is the additional information you requested.

1) Research description:

a) General research description

My research interests include end-of-life decision making, palliative care, and ethics. Currently, my main research focuses on communication and decision making in end-of-life care among patients, family caregivers, and professional caregivers in the pediatric intensive care unit. I also participate in projects looking at educational needs in palliative care, interventions (such as bereavement photography) which could positively impact parental bereavement, and regret/satisfaction regarding decisions made by parents of pediatric non-surviving cancer patients.

b) Description of potential MSSRP or RTP student projects

Exploration into the epidemiology of pediatric palliative care patients.

The impact of a pediatric palliative program.

Qualitative analysis of existing data sets.

Parental bereavement following the death of a child

2) Trainees over the past 5 years:

Pilar Ortega (2003) – 1st year medical student

Kathleen Skipton (2003) – 1st year medical student

Hilary Franke (2004 – 2006) – pediatric intensive care unit fellow

Pallavi Patwari (2005) - pediatric intensive care unit fellow

Diane Chang (summer 2006) – 1st year medical student

Priscilla Brinkman (2006 – 2007) – PhD student in social work

Becky Hostetler (summer 2007) – 1st year medical student

Rani Ganesan (2005 – present) – 3rd year pediatric intensive care unit fellow

Anne Ryan (2006 – present) – 3rd year pediatric resident

Meredith Bone (2006 – present) – 2nd year pediatric intensive care unit fellow

Harish Rudra (2007 – present) – 2nd year pediatric cardiology fellow

Margaret Bock (2007 – present) – 3rd year pediatric resident

3) Research area (check all that apply):

- Basic Science
- Translational Science
- Clinical Science
- Other _____

I am also attaching a copy of my biosketch.

Thank you for your consideration.

Sincerely,

Kelly Michelson
Assistant Professor
Division of Critical Care
Department of Pediatrics
Children's Memorial Hospital
Buehler Center on Aging, Health and Society
Northwestern University

1) Research description:

a) General research description

Dr. Michelson's research interests include end-of-life decision making, palliative care, and ethics. Currently, her main research focuses on communication and decision making in end-of-life care among patients, family caregivers, and professional caregivers in the pediatric intensive care unit. She also participates in projects looking at educational needs in palliative care, interventions (such as bereavement photography) which could positively impact parental bereavement, and regret/satisfaction regarding decisions made by parents of pediatric non-surviving cancer patients.

b) Description of potential MSSRP or RTP student projects

Exploration into the epidemiology of pediatric palliative care patients.

The impact of a pediatric palliative program.

Qualitative analysis of existing data sets.

Parental bereavement following the death of a child

2) Trainees over the past 5 years:

Anne Ryan (2006 – present) – 3rd year pediatric resident

Becky Hostetler (summer 2007) – 1st year medical student

Diane Chang (summer 2006) – 1st year medical student

Hilary Franke (2004 – 2006) – pediatric intensive care unit fellow

Meredith Bone (2006 – present) – 2nd year pediatric intensive care unit fellow

Pallavi Patwari (2005) - pediatric intensive care unit fellow

Priscilla Brinkman (2006 – 2007) – PhD student in social work

Rani Ganesan (2005 – present) – 3rd year pediatric intensive care unit fellow

Pilar Ortega (2003) – 1st year medical student

Kathleen Skipton (2003) – 1st year medical student

3) Research area (check all that apply):

Basic Science

Translational Science

Clinical Science

Other _____

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Michelson, Kelly Nicole		POSITION TITLE Assistant Professor of Pediatrics	
eRA COMMONS USER NAME KMICHELSON			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Columbia University	BA	June, 1990	History/Pre-Medicine
University of North Carolina School of Public Health	MPH	Aug., 1996	Epidemiology
Duke University Medical School	MD	Dec., 1997	Medicine

A. Positions and Honors.**Positions and Employment**

1991-1992 Research Assistant, Mount Sinai Medical Center, Ophthalmology Department, New York, NY
1996 Research Assistant, Albert Einstein College of Medicine, Department of Obstetrics and Gynecology, The Bronx, NY
1996 Research Assistant, Clinical Horizons Research Inc., Fort Lee, New Jersey
1996-1997 Medical Editor, The Princeton Review, New York, NY
1998-1999 Intern, Pediatric Medicine, University of Chicago Children's Hospital, Pediatrics Department Chicago, IL
1999-2001 Resident, Pediatric Medicine, University of Chicago Children's Hospital, Pediatrics Department, Chicago, IL
2001-2004 Fellow, Pediatric Critical Care Medicine, Children's Memorial Hospital, Northwestern University Department of Pediatrics, Chicago, IL
2004- Assistant Professor of Pediatrics, Division of Critical Care Medicine, Children's Memorial Hospital, Northwestern University Department of Pediatrics, Chicago, IL
2005- Faculty Affiliate, Center for Communication and Medicine, Feinberg School of Medicine, Northwestern University, Chicago, IL
2007- Associate Physician, Buehler Center on Aging, Health & Society, Feinberg School of Medicine, Northwestern University, Chicago, IL

Other Experience and Professional Memberships

1998- Member, American Academy of Pediatrics
2002- Member, Society of Critical Care Medicine
2004- Member, Ethics Committee, Children's Memorial Hospital, Chicago, IL
2005- Member, American Society for Bioethics and Humanities
2005-2006 Member, Buehler Center on Aging, Feinberg School of Medicine, Northwestern University, Chicago, IL
2005- Member and Co-Director of Research, Palliative Care Interdisciplinary Team, Children's Memorial Hospital, Chicago, IL
2006 Reviewer, Pediatrics
2006 Reviewer, Journal of Pediatrics
2007 Reviewer, Health and Quality of Life Outcomes
2007 Co-Editor, Pediatrics Ethics Consortium website, Scholarship/Research section

Honors

- 1987-1990 Dean's List, Columbia University, NY, NY
990 Cum Laude, Columbia University, NY, NY
2006 Visiting Professor, Boston Children's Hospital, Boston, MA

B. Publications

Original Research and Peer-Reviewed Publications

1. Masur SK, Idris A, Michelson KN, Antohi S, Zhu LX, Weissberg J. Integrin-Dependent Tyrosine Phosphorylation in Corneal Fibroblasts. *Invest Ophthalmol Vis Sci* 1995;36(9):1837-46.
2. Michelson K. Cytotec in Brazil: A Legal Alternative to Illegal Abortions? *Carolina Papers in International Health and Development* 1996;2(4): 1-23.
3. Dietze R, Barros GB, Teixeira L, Harris J, Michelson K, Falqueto A, Corey R. Effect of eliminating seropositive canines on the transmission of visceral leishmaniasis in Brazil. *Clin Infect Dis* 1997;25(5):1240-2.
4. Michelson KN, Thomas JC, Janssens A, Boyd C, Weber. The Importance of Men in the Epidemiology of *Chlamydia trachomatis* Infection in a Rural Population. *Int J STD AIDS* 1999;10(1):32-7.
5. Michelson K, Koogler T, Skipton K, Sullivan C, Frader J. Parents' Reactions to Participating in Interviews about End-of-Life Decision Making. *Journal of Palliative Medicine*. 2006;9(6):1329-1338.
6. Frader, J, Michelson, K. "Can Policy Spoil Compassion?" *Pediatric Critical Care Medicine, Pediatric Critical Care Medicine*. 2007;8(3):293-294.
7. Michelson, KN, Steinhorn, DM. Pediatric End-of-Life Issues and Palliative Care. *Clin Ped Emerg Med* 2007;8(3):212-219

Abstracts

1. Steinberg JS, Michelson KN, Reiffel JA, Livelli F, Gliklich J, Bigger JT. Use of the Signal Averaged Electrocardiogram to Predict Electrophysiologic Study Results in Unexplained Syncope. *Journal of American College of Cardiology*. 1988;11(2):183A.
2. Michelson KN, Frader J, Koogler T. Surrogates' Views on Limiting Medical Care in Pediatric Intensive Care Unit Patients. *Pediatric Critical Care Medicine*. 2003;4(3):A45. Accepted for presentation at the 4th World Congress of Pediatric Intensive Care, June 8-12, 2003, Boston, Massachusetts.
3. Michelson KN, Frader J, Koogler T, Skipton K, Ortega MP. Interviewing parents/guardians (surrogates) in pediatric intensive care units (PICUs) about end-of-life decision making. *Critical Care Medicine*. 2003;31(12):A79. Accepted for presentation at the Society of Critical Care Medicine's 33rd Critical Care Congress, February 20-25, 2004, Orlando, Florida.
4. Michelson KN, Frader J, Koogler T. Cultural differences in parents'/guardians' (surrogates') views on forgoing life support (FLS) in pediatric intensive care unit (PICU) patients. *Critical Care Medicine*. 2003;31(12):A80. Accepted for presentation at the Society of Critical Care Medicine's 33rd Critical Care Congress, February 20-25, 2004, Orlando, Florida.
5. Patwari, PP, Michelson, K. Use of inhaled nitric oxide for hydrocarbon aspiration. *Chest*. 2005;128(4 suppl):445S. Accepted for presentation at the 2005 American College of Chest Physicians' annual meeting, Oct.29-Nov.3, 2005.
6. Chang, D, Michelson, KN, Koogler, T, Frader, J. The Influence of Religion and Spirituality on Decisions to Withdraw Life-Sustaining Therapies: Differences between European American and Hispanic Parents. Accepted for presentation at Pediatric Academic Societies annual conference, May 5-8, 2006, Toronto, Canada.
7. Michelson, K, Koogler, T, Frader, J. Forgoing Life-Sustaining Therapies in Critically Ill Children: Who Decides? *Pediatric Critical Care Medicine* 2007;8(3):A65. Accepted for presentation at the 5th World Congress on Pediatric Critical Care, June 24-28,2007, Geneva, Switzerland.

Book Chapters and Reviews

1. Frader J, Michelson K. Ethics in Pediatric Intensive Care. In: Fuhrman B, Zimmerman J, eds. *Pediatric Critical Care, third edition*. Philadelphia: Elsevier; 2006: 117-125.
2. Michelson, K. Cricothyrotomy. In: Goodman DM, Green TP, Unti SM, and Powell, EC eds. *Lange Current Procedures: Pediatrics*. New York: The McGraw-Hill Companies, Inc; 2007: 20-25.
3. Michelson, K. Femoral Venous Catheterization. In: Goodman DM, Green TP, Unti SM, and Powell, EC eds. *Lange Current Procedures: Pediatrics*. New York: The McGraw-Hill Companies, Inc; 2007: 46-53.
4. Michelson, K. Internal Jugular and Subclavian Catheterization. In: Goodman DM, Green TP, Unti SM, and Powell, EC eds. *Lange Current Procedures: Pediatrics*. New York: The McGraw-Hill Companies, Inc; 2007: 244-248.

C. Research Support

Ongoing Research Support

Children's Research Center of Michigan (CRCM)

1/06 – 1/08

(PI: Kathleen Meert)

Project Title: "Spiritual Needs of Bereaved Parents"

The purpose of this project is to develop a reliable and valid scale to assess the spiritual wellbeing of bereaved parents.

Role: Collaborator

NICHD Pediatric Critical Care Scientist Development Program (PCCSDP) Scholar

1/06 - 1/11

K12HD047349

(PI: Dean)

Project Title: "Developing a Pediatric Advance Care Planning Worksheet"

This award supports five years of participation as a PCCSDP Scholar, with direct research support until Dr. Michelson successfully obtains a K23 or R award. Research career development activities will increase Dr. Michelson's knowledge of and experience in qualitative methods, instrument development/testing, and bioethics so that she can become an independent investigator in pediatric end-of-life care and obtain external funding.

Role: K12 Awardee

NICHD

2/07 – 2/12

1K23HD054441-01

(PI: Michelson)

Project Title: "Developing a Pediatric Advance Care Planning Worksheet"

This award supports five years of mentor-guided research in pediatric intensive care unit end-of-life decision making and career development activities in qualitative methods, instrument development/testing, and bioethics.

Role: PI

Children's Memorial Hospital Advocacy Committee

3/07 – 3/08

(PI: Michelson)

Project title: "Pediatric Intensive Care Unit Bereavement Photography Program"

This award supports bereavement photography for the families of patients who die in the pediatric intensive care unit.

Role: PI

Completed Research Support

WistaCare Hospice Foundation Innovations Mini Grant 3/03 – 3/04
Project Title: Cultural differences in parents'/guardians' attitudes regarding end-of-life care in the pediatric intensive care unit.

(PI: Michelson)

The goal of this project is to use qualitative techniques to describe parental attitudes on limiting medical support in pediatric intensive care unit patients and to identify if attitudes differ among three cultural groups.

Role: Principal Investigator

Maryann and J. Milburn Smith Child Health Research Core Mini Grant 7/02 – 8/03
Project Title: Cultural differences in parents'/guardians' attitudes regarding end-of-life care in the pediatric intensive care unit.

(PI: Michelson)

The goal of this project is to use qualitative techniques to describe parental attitudes on limiting medical support in pediatric intensive care unit patients and to identify if attitudes differ among three cultural groups.

Role: Principal Investigator