



*The University of Alabama at  
Birmingham  
Division of General Internal  
Medicine*

*2009-2010*

## **Department of Medicine Mission Statement**

The UAB Division of General Internal Medicine follows the mission of the Department of Medicine.

To attain its goals, the UAB Department of Medicine promotes lifelong learning and the development of skills among members of the faculty and staff – so that each supports the other. In its threefold mission of teaching, research and patient care, the department is committed to providing:

- Exceptional medical education for medical students, residents, and other health professionals;
- Innovative research aimed at expanding the frontiers of biomedical knowledge and clinical practice; and,
- Outstanding clinical service to its patients and the community.

## **University of Alabama School of Medicine Mission Statement**

The School of Medicine is dedicated to the education of physicians and scientists in all of the disciplines of medicine and biomedical investigation for careers in practice, teaching, and research. Necessary to this educational mission is the provision of outstanding medical care and services and the enhancement of new knowledge through clinical and basic biomedical research.

## **UAB Health System Mission Statement**

### **Vision Statement**

The UAB Health System will enhance its role as a preeminent and well-integrated clinical enterprise, recognized as a leader in the advancement of medical science and the delivery of health-related services. With the School of Medicine, the Health System will create highly innovative, well-coordinated interdisciplinary services and partnering relationships that serve as a model for health education and service delivery.

### **Mission Statement**

To improve the health and well-being of society, particularly the citizens of Alabama, by providing innovative health services of exceptional value, a superior environment for the education of health professionals, and support for research that advances medical science.

Carlos A. Estrada, MD, MS Professor Division Director		May Strickland Jennings, MD Assistant Professor
Gustavo Benaderet, MD Assistant Professor		F. Stanford Massie, Jr., MD Associate Professor
Emily A. Boohaker, MD Associate Professor		Jason Morris, MD Assistant Professor
Teresa J. Bryan, MD Associate Professor		Katherine Romp, MD Assistant Professor
Analia Castiglioni, MD Assistant Professor		Terrence M. Shaneyfelt, MD, MPH Associate Professor
Robert M. Centor, MD Professor, Dean Huntsville Campus		Erin Snyder, MD Assistant Professor
William A. Curry, MD Professor		Alan M. Stamm, MD Professor
Jason R. Hartig, MD Assistant Professor		Ben Taylor, MD, MPH Assistant Professor
Gustavo R. Heudebert, MD Professor		Ellen Weber, MD Assistant Professor
Thomas S. Huddle, MD, PhD Professor		Lisa L. Willett, MD Associate Professor

Secondary Appointments

Stefan Kertesz, MD	Raegan Durant, MD
Andrea Cherrington, MD, MPH	Alexandria Leigh, MD, MPH

## **Faculty Awards in 2009 and 2010**

GIM – 1<sup>st</sup> Place Teaching Division – 2010  
2<sup>nd</sup> Place Teaching Division - 2009

### **Top Ten Teaching Awards**

- William Curry - 2009
- JR Hartig – 2009, 2010
- Gustavo Heudebert – 2009, 2010
- Jason Morris – 2009, 2010
- Ben Taylor - 2010
- Lisa Willett – 2009, 2010

### **C. Glenn Cobbs MD – Edwin A. Rutsky Award for Clinical Excellence**

- William Curry - 2009
- Stan Massie - 2010
- Lisa Willett – 2009, 2010

Best Tinsley Harrison Attending 2010 – JR Hartig  
Top Junior Faculty 2010 – Jason Morris

### **Argus Awards in 2010:**

Dr. Christopher Truss Award for Service – Erin Snyder  
Best Department (class 2009) – Internal Medicine  
Best Overall Clerkship (class 2010) – Internal Medicine

Golden Award 2010 – JR Hartig

Outstanding Teacher 2010 – Stan Massie

Core Clinical Faculty Advisor for 2009-2010 - William Curry and Andrew Sellers

### **Faculty Accomplishments 2010:**

- Teresa Bryan – Chair of Peer-Review BVAMC
- Analia Castiglioni – Elected Secretary-Treasurer Southern Society of General Internal Medicine
- William Curry – Chair Advisory Committee on Training in Primary Care Medicine and Dentistry, US Department of Health and Human Services
- Carlos Estrada – Elected to Council Society of General Internal Medicine and Chair of Quality Management Council BVAMC
- Ben Taylor – Associate Chief of Staff University Hospital and Chair for Clinical Vignettes, Society of General Internal Medicine

## Evaluations from Residents, Internal Medicine

General Internal Medicine and Department of Medicine mean scores on a 5-point Likert scale (1=strongly disagree, 5=strongly agree). July 1, 2009- June 30, 2010.

<b>During the rotation, my teacher generally</b>	<b>GIM Mean (SD)</b>	<b>DOM Mean (SD)</b>	<b>GIM, % 4=Agree, 5=Strongly Agree</b>	<b>DOM, % 4=Agree, 5=Strongly Agree</b>
<b>listened to learners</b>	4.87 (0.3)	4.64 (0.6)	13% 86%	29% 66%
<b>encouraged learners to participate actively in the discussion</b>	4.81 (0.41)	4.67 (0.53)	17 % 81%	28% 68%
<b>expressed respect for learners</b>	4.81 (0.44)	4.67 (0.55)	16% 82%	75% 68%
<b>encouraged learners to bring up problems</b>	4.75 (0.51)	4.61 (0.57)	34% 66%	30% 64%
<b>called attention to time</b>	4.59 (0.62)	4.48 (0.76)	27% 64%	29% 60%
<b>avoided digressions</b>	4.52 (0.68)	4.68 (0.49)	30% 67%	31% 60%
<b>discouraged external interruptions</b>	4.72 (0.45)	4.55 (0.64)	28% 71%	33% 60%
<b>stated goals clearly and concisely</b>	4.65 (0.62)	4.47 (0.67)	24% 70%	35% 55%
<b>stated relevance of goals to learners</b>	4.63 (0.60)	4.47 (0.68)	27% 67%	35% 55%
<b>prioritized goals</b>	4.61 (0.64)	4.48 (0.67)	27% 67%	35% 56%
<b>repeated goals periodically</b>	4.50 (0.69)	4.36 (0.73)	32% 59%	38% 48%
<b>presented well organized material</b>	4.72 (0.53)	4.53 (0.64)	22% 75%	34% 59%
<b>explained relationships in materials</b>	4.68 (0.57)	4.52 (0.83)	24% 71%	35% 58%
<b>used blackboard or other visual aids</b>	4.31 (0.79)	4.27 (0.83)	32% 48%	34% 44%
<b>evaluated learners' knowledge of factual medical information</b>	4.66 (0.59)	4.53 (0.61)	27% 70%	37% 57%
<b>evaluated learners' ability to analyze or synthesize medical knowledge</b>	4.71 (0.55)	4.55 (0.60)	26% 73%	36% 58%
<b>evaluated learners' ability to apply medical knowledge to specific patients</b>	4.72 (0.54)	4.58 (0.58)	25% 73%	35% 60%
<b>evaluated learners' medical skills as they apply to specific patients</b>	4.71 (0.56)	4.55 (0.60)	24% 73%	24% 73%
<b>gave negative (corrective) feedback to learners</b>	4.54 (0.71)	4.37 (0.70)	28% 63%	42% 47%
<b>explained to learners why he/she was correct or incorrect</b>	4.66 (0.59)	4.50 (0.62)	28% 69%	40% 54%
<b>offered learners suggestions for improvement</b>	4.58 (0.70)	4.40 (0.72)	28% 66%	39% 50%
<b>gave feedback frequently</b>	4.50 (0.76)	4.33 (0.75)	27% 62%	39% 46%

<b>explicitly encouraged further learning</b>	4.77 (0.47)	4.54 (0.63)	19% 79%	34% 59%
<b>motivated learners to learn on their own</b>	4.73 (0.55)	4.55 (0.62)	22% 76%	34% 60%
encouraged learners to do outside reading	4.72 (0.51)	4.52 (0.63)	21% 75%	35 % 75%
<b>Overall teaching effectiveness (1=very poor, 5=excellent)</b>	4.62 (0.62)	4.44 (0.70)	29% 67%	36% 53%

Filename: Evaluations\_from\_Residents\_GIM\_DOM\_2009-2010.doc  
Updated by: Charmian Pate, 7/26/2010.

## PUBLICATIONS 2009 AND 2010

1. Singh PP, Newton DP, **Estrada CA**. Clinical Images: An Uncommon Cause of Headache. *JGIM*. 2010 May 14.
2. Sridhar A, **Willett LL**, **Castiglioni A**, **Heudebert GR**, Landry M, **Centor RM**, **Estrada CE**. Identifying Key Components for an Effective Poster: An Observational Study. *J Gen Int Med* December 2008 Epub ahead of publication)
3. **Centor RM**, **Taylor BB**. Do Hospitalists Improve Quality? *Arch Intern Med*. 2009; 169(15):1351-1352.
4. Gupta N, Lovvorn J, **Centor RM**. Peritonsillar abscess requiring intensive care unit admission caused by group C and G Streptococcus: a case report. *Cases Journal* 2009; 2:6808.
5. **Willett LL**, Paranjape A, **Estrada CA**. Identifying Key Components for an Effective Case Report Poster Presentation: An Observational Study. *JGIM*. 2009; 24:393-7. [Editorial: Wayne DB. Practical and effective strategies to promote scholarly activity by residents. *J Gen Intern Med*. 2009;24:435-6.]
6. Mahankali AR, **Willett LL**, **Castiglioni A**, **Heudebert GR**, Landry M, **Centor RM**, **Estrada CA**. Scholarship Opportunities for Trainees and Clinician Educators: Learning Outcomes from a Case Report Writing Workshop. *JGIM*. 2009; 24:398-401. [Editorial: Wayne DB. Practical and effective strategies to promote scholarly activity by residents. *J Gen Intern Med* 2009;24:435-6.]
7. Schoen MJ, Tipton EF, Houston TK, Funkhouser E, Levine DA, **Estrada CA**, Williams OD, Kiefe CI. Characteristics that predict physician participation in a Web-based CME activity: The MI-Plus study. *J Contin Educ Health Prof* 2009; 29:246-253.
8. Splaine ME, Ogrinc G, Gilman SC, Aron DC, **Estrada CA**, Rosenthal GE, Lee S, Dittus RS, Batalden PB. The Department of Veterans Affairs National Quality Scholars Fellowship Program: Experience From 10 Years of Training Quality Scholars. *Acad Med*. 2009;84:1741-1748.
9. **Willett LL**, **Heudebert GR**, Palonen KP, Massie FS, Kiefe Ci, Allison Jj, Richman J, Houston TK. The importance of measuring competency-based outcomes: standard evaluation measures are not surrogates for clinical performance of Internal Medicine residents. *Teach Learn Med*. 2009; Apr-Jun;21(2):87-93.
10. Houston TK, Wall TC, **Willett LL**, **Heudebert GR**, Allison JJ. Can Residents Accurately Abstract Their Own Charts? *Acad Med*. Mar; 84(3):391-5.
11. **Shaneyfelt TM**, Centor RM. Reassessment of Clinical Practice Guidelines: Go gently into that good night. *JAMA* 2009;301(8):868-69 (invited editorial)
12. Payne-Foster P, Williams JH, **Estrada CA**, Higginbotham JC, Voltz ML, Safford MM,

Allison J. Recruitment of Rural Physicians in a Diabetes Internet Intervention Study: Overcoming Challenges and Barriers. *J Natl Med Assoc.* 2010;102:101-107.

13. Carter-Pokras O, \*Bereknyei S, Lie D, Braddock CH for the National Consortium for Multicultural Education for Health Professionals. Surmounting the unique challenges in health disparities education: a multi-institution qualitative study. *JGIM.* 2010; 25 (S2):108-114.
14. **LL Willett**, MF Wellons, JR Hartig, L Roenigk, M Panda, AT Dearing, J Allison, TK Houston, Do Women Residents Delay Childbearing Due to Perceived Career Threats? *Academic Medicine*, April 2010 - Volume 85 - Issue 4 - pp 640-646.

### **In Press, submitted, or in preparation**

1. Crenshaw K, **Curry W, Salanitro AH**, Safford MM, Houston TK, Allison JJ, **Estrada CA**. Differences in Participation in a Web-based Intervention among physicians of patients with diabetes. *Acad Med* (in press).
2. Salanitro A, Safford MM, Houston TK, Williams JH, Kiefe CI, Ovalle F, Allison JJ, **Estrada CA**. Is patient complexity associated with physician performance on diabetes measures? (submitted).
3. **Estrada CA**, Krishnamoorthy P, Smith A, Staton LJ, Korf MJ, Allison JJ, Houston TK. Marketing to increase Web utilization: A Continuing Medical Education (CME) Web-based cultural competence curriculum (submitted).
4. Crenshaw K, Shewchuk RM, Staton LJ, Bigby JA, Houston TK, Allison JJ, **Estrada CA**. What should we include in a cultural competence curriculum? A novel formative evaluation Continuing Medical Education (in preparation).

## **PARTICIPATION IN NATIONAL MEETINGS**

### **SOCIETY OF GENERAL INTERNAL MEDICINE - UAB**

2010 33<sup>rd</sup> Annual SGIM Meeting – April 28-May 1, 2010--Minneapolis, Minnesota

#### **Oral Presentations:**

- **USING COGNITIVE MAPPING TO IDENTIFY ATTRIBUTES CONTRIBUTING TO SUCCESSFUL WARD-ATTENDING ROUNDS-A RESIDENT AND STUDENT PERSPECTIVE—BRITA ROY**
- **SELECTING THE BEST CLINICAL VIGNETTES: SHOULD OUR SCORING TOOL CRITERIAL BE MODIFIED?—JEREMIAH NEWSOM**
- **APPROPRIATE INACTION AND CLINICAL INERTIA—AMANDA SALANITRO**

#### **Poster Presentations:**

- **NONMARIJUANA DRUG USE TRAJECTORY AND GENERAL HEALTH STATUS AMONG ADULTS FOLLOWED OVER 18 YEARS (THE CARDIA STUDY)—STEFAN KERTESZ**
- **PRESCRIBING OPIATES FOR CHRONIC PAIN IN RESIDENT CONTINUITY CLINICS-EXPERIENCE MAY NOT ASSURE ADEQUATE KNOWLEDGE—ANALIA CASTIGLIONI & ERIN SNYDER**
- **A CLUSTER-RANDOMIZED TRIAL OF A WEB-BASED PHYSICIAN INTERVENTION TO IMPORVE DIABETES CARE—AMANDA SALANITRO**
- **A NOVEL CLINICAL PREDICTION RULE FOR MULTIDRUG-RESISTANT TUBERCULOSIS—CARLOS ESTRADA & DALILA MARTINEZ**

#### **Workshops**

- **SUCCESSFULLY NEGOTIATING YOUR FIRST DREAM JOB—EVERYTHING THEY DIDN'T TEACH YOU IN MEDICAL SCHOOL (AMANDA SALANITRO helping in place of JASON MORRIS)**
- **CHARTING SMARTER NOT LONGER: ADVANCED CONCEPTS IN OUTPATIENT CODING—EMILY BOOHAKER**
- **WRITING A CV AND PREPARING FOR INTERVIEWS—AMANDA SALANITRO**
- **UPDATE IN HOSPITAL MEDICINE—BEN TAYLOR**
- **ACADEMIC MID-CAREERS: STRATEGIES FOR SUCCESS—CARLOS ESTRADA**
- **MAKE QUALITY IMPROVEMENT AND PATIENT SAFETY COUNT IN YOUR ACADEMIC CAREER—THE QUALITY PORTFOLIO—BEN TAYLOR**
- **THE ART AND SCIENCE OF PEER REVIEW FOR MEDICAL JOURNALS: ENHANCE YOUR SKILLS AND YOUR CAREER—CARLOS ESTRADA**

#### **Interest Group**

- **FELLOWS FORUM—AMANDA SALANITRO**

**UNKOWN CLINICAL DISCUSSION—ROBERT CENTOR AND BEN TAYLOR**

## **SOUTHERN SGIM REGIONAL MEETING – 2010**

#### **Clinical Vignettes:**

- **HERPES INDUCED LIVER INJURY – J.P. Callaway, M. Rodriguez**
- **ANOTHER HEART BREAKS...-M. Barnett**
- **PULMONARY INFILTRATES IN THE IMMUNOCOMPROMISED HOST – J. Morris**
- **CONGO RED OR APPLE GREEN: NON-ISCHEMIC CAUSE OF ELEVATED TROPONIN – J. Hartig**
- **BACK PAIN IS NOT ALWAYS DULL – A 71 YEAR-OLD WITH SPONDYLODISCITIS DUE TO STREPTOCOCCUS INTERMEDIUS – S. Massie**
- **DON'T DISCOUNT DYSPNEA – D. Bhatnagar, L. Willett**

#### **Workshops**

- **BECOME A BETTER WARD ATTENDING: UNDERSTANDING THE DIMENSIONS OF SUCCESSFUL WARD ATTENDING ROUNDS – A. Castiglioni, R. Centor**
- **HOW TO BE AN EFFECTIVE RESIDENT TEACHER – J. Newsom, L. Willett**
- **ACADEMIC GENERALIST FELLOWSHIPS: OPENING DOORS FOR CLINICAL INVESTIGATORS AND CLINICIAN EDUCATORS – A. Salanitro**

- **ATTENTION RESIDENTS! HELPFUL TOOLS FOR PRESCRIBING OPIATES FOR CHRONIC NON-MALIGNANT PAIN** – *A. Castiglioni, E. Snyder*
- **SUCCESSFULLY NEGOTIATING YOUR FIRST DREAM JOB-EVERYTHING THEY DIDN'T TEACH YOU IN MEDICAL SCHOOL** – *J. Morris*

**Oral Presentations:**

- **DOES INTERNET ADVERTISEMENT INCREASE TRAFFIC IN A CME WEB-BASED CULTURAL COMPETENCY CURRICULUM?** – *C. Estrada*
- **PRACTICE MATTERS: RELATIONSHIP BETWEEN PREPARATION STYLE AND CHANGES MADE TO SCIENTIFIC PRESENTATIONS** – *A. Salanitro, E. Snyder, A. Castiglioni, C. Estrada*
- **PREPARING FOR ORAL PRESENTATIONS: VARIATIONS IN PREPARATION BY LEVEL OF TRAINING** – *E. Snyder, A. Salanitro*
- **RESIDENT INPATIENT HANDOFFS: A MULTI-METHOD QUALITY IMPROVEMENT INITIATIVE** – *M. Burton, C. Estrada, C. Ritchie*
- **A CLUSTER-RANDOMIZED TRIAL OF A WEB-BASED PHYSICIAN INTERVENTION TO IMPROVE DIABETES CARE** – *C. Estrada, A. Salanitro, M. Safford, W. Curry, F. Ovalle*
- **USE OF ECOLOGICAL MOMENTARY ASSESSMENT TO IMPROVE A RESIDENCY CURRICULUM** – *L. Willett, W. Curry, C. Estrada, S. Cohen, A. Salanitro*
- **SELECTING THE BEST CLINICAL VIGNETTES: SHOULD THE SCORING TOOL CRITERIA BE MODIFIED?** – *J. Newsom, L. Willett, C. Estrada*

## PATIENT CARE

The UAB Division of General Medicine is committed to providing outstanding clinical service to its patients and the community. The faculty members of the division perform inpatient and outpatient care to a unique patient population of rural and urban, veteran and non-veteran, wealthy and indigent, of various racial/ethnic groups.

- Kirklin Clinic General Internal Medicine – Our private practice group is made up of 7 physicians comprising a 3.0 FTE.
- Kirklin Clinic Internal Medicine 4 - Ambulatory practice 4 half days with Internal Medicine residents and interns who work along side physicians who also have a private practice.
- Birmingham Health Care – The Jefferson County Federally Qualified Health Center houses our community ambulatory practice with 9 sessions per week and comprising a 2.0 FTE with physicians from General Internal Medicine and Primecare.
- Cooper Green Mercy Hospital – General Internal Medicine provides an inpatient teaching service 4-10 months per year.
- Birmingham Veterans Administration Medical Center – General Internal Medicine provides inpatient and outpatient care at the BVAMC. We provide 24 months of inpatient attending and 3.0 FTE in the outpatient ambulatory clinic. We also attend in the Emergency Room 4 half days per week and staff the Women’s Clinic 3 half days per week.
- University Hospital – General Internal Medicine provides inpatient service 25 months per year. This is a teaching service with residents, interns and medical students. We also attend with the Hospitalist service 6 weeks per year.

## EDUCATION

The UAB Division of General Internal Medicine is committed to providing exceptional medical education for medical students, residents, and other health professionals. The division performs various teaching activities including internal medicine residency training, medical student education, mentoring of students, residents and graduate students, and curriculum development.

Table: Teaching Activities of the UAB Division of General Internal Medicine

Teaching Activity	Description
<b>UAB Internal Medicine Residency Teaching</b>	
Inpatient Ward Attending	GIM faculty members serve as ward attendings at the three affiliated hospitals: <ul style="list-style-type: none"> <li>• The University Hospital</li> <li>• The Birmingham VA Medical Center</li> <li>• The Cooper Green Hospital</li> </ul>
Ambulatory morning report	A curriculum-based conference to review presentation and management of ambulatory medicine topics and cases held three times weekly. The GIM division organizes the conference schedule and provides two faculty members to present and facilitate case discussion respectively.
General Internal Medicine Noon Conference	A weekly curriculum-based hour-long didactic conference to review updates in disease management, clinical problem solving, clinical pathological conferences, ethics debates, evidence-based medicine and other topics. The GIM division organizes the curriculum and provides all lecturers.
Internal Medicine Resident Clinic Supervision	Many GIM faculty provide internal medicine resident education

	and supervision in the three resident clinics: <ul style="list-style-type: none"> <li>• Birmingham Health Care</li> <li>• The Birmingham VA Medical Center</li> <li>• Kirklin Clinic</li> </ul>
Clinic Conferences	Brief interactive educational sessions to provide more in-depth review of the weekly ambulatory curriculum topic for the internal medicine first-year residents prior to their TKC and BHC session.
Women's Health Track	
Primary Care Track	
<b>Medical School Courses</b>	
Master Physical Diagnosis	Course Director: Carlos Estrada MD, MSc This four-week elective for fourth-year medical students provides comprehensive instruction in physical diagnosis.
History of Medicine	Course Director: Thomas Huddle MD,
Introduction to Clinical Medicine	Course Director: F. Stanford Massie Jr., MD
<b>Mentorship</b>	
Medical Student Mentors	
Internal Medicine Resident Mentors	
Research Mentors	

#### Ward Months of UAB Division of General Internal Medicine by Facility

<u>Facility</u>	<u>No. Ward Months</u>
Birmingham VA Medical Center	24 months
University Hospital	25.5 months
The Cooper Green Mercy Hospital	4-10 months

#### Teaching Points

	2007-2008	2008-2009	2009-2010
Number of faculty	29	30	25
<b>Total educational points</b>	13,236	13,128	13,618

## **RESEARCH**

Members of the UAB Division of General Internal Medicine perform innovative research aimed at expanding the frontiers of biomedical knowledge and clinical practice. Areas of research include health services research, medical education research, clinical and cultural competency, and translational research. The division continues to grow its research section and collaborates with faculty members within the Department of Medicine, within the UAB School of Medicine, and scientists from UAB and other institutions.

Our faculty members serve as scientists in the UAB Center for Outcomes, Effectiveness, Research and Education, the UAB Center for Aging, and the Birmingham VA Medical Center-Deep South Center on Effectiveness Research, a VA HSR&D Research Enhancement Award Program.

### **Grant Support**

Cherrington, Andrea L. 7/1/2009-6/30/2011  
Robert Wood Johnson Foundation Faculty Scholar's Program \$300,000  
Weight Loss and Diabetes prevention in Latina Immigrants: Advancing Methods of Community-Based Intervention Delivery

The long term objective of this proposal is to develop and test a culturally relevant, community-based intervention to promote weight loss and diabetes prevention among overweight or obese Latina immigrants. We will advance methods of community-based intervention delivery by combining the Community Health Advisor model with a multi-component, technology-assisted support system comprising health professionals.

Role: Principal Investigator

Cherrington, Andrea L. 03/02/09 - 02/28/11  
UAB Health Services Foundation \$90,075

Training Residents to Counsel: Motivational Interviewing for Obesity

The goal of this project is to develop and test a disseminable curriculum that will improve residents' interpersonal skills and obesity counseling confidence and skill.

Role: Principal Investigator

Estrada, Carlos A. 09/06/05 – 07/31/11  
1 K07 HL081373-01

National Heart Lung and Blood Institute \$489,478

Improving Cultural Competency: An Online Case-Based Curriculum

The University of Alabama at Birmingham (UAB) proposes to develop, implement, and evaluate an online case-based cultural competency curriculum for practicing physicians, residents, and medical students.

Role: Principal Investigator

Estrada, Carlos A. 05/01/05 – 04/30/10  
R18DK65001-01A2

NIDDK \$2,136,233

Internet Intervention for Improving Rural Diabetes Care

The purpose of this project is to develop and test in a randomized trial an Internet intervention to improve diabetes care in rural Alabama.

Role: Investigator

Willett, Lisa L.

3/1/07-2/28/11

UAB Health Services Foundation General Endowment Fund \$58,648

Rapid Cycle Educational Improvement

Develop tools to assess variability in medical education, to test for variability, and to identify and offer suggestions for improvement

## SCHOLARSHIP OPPORTUNITIES

Project Title/ Objective	Contact	Notes (status, tentative role, etc)
Internet Intervention for Improving Rural Diabetes Care (NIDDK, R18DK65001-01A2). A randomized trial an Internet intervention to improve diabetes care in rural Alabama.	Carlos Estrada, MD, MS, <a href="mailto:cestrada@uab.edu">cestrada@uab.edu</a> .	<u>Status:</u> Baseline and follow-up data available (~1,600 patients at baseline, 150 practices, 900 patients f/u. Clinical, quality of care, knowledge, web use). <a href="http://www.ruraldoc.org/">http://www.ruraldoc.org/</a> <u>Role/Outcome:</u> Define a question, present abstract, write manuscript. Ideas: 1. What do physicians answer? (Cases, CME questions) *** 2. Is there a relationship between the “rurality” of practice and outcomes? 3. How much counseling is performed?
Improving Cultural Competency (NHLBI, 1 K07 HL081373-01). An online case-based education intervention aimed to decrease cardiovascular disparities.	Carlos Estrada, MD, MS, <a href="mailto:cestrada@uab.edu">cestrada@uab.edu</a> .	<u>Status:</u> Web site launched April 2008. <a href="http://www.c-comp.org">www.c-comp.org</a> <u>Role/Outcome:</u> Define a question, present abstract, write manuscript. Ideas: 1. How do participants react/ say about the videos? *** (thematic analysis) 2. What do participants answer to cultural competency questions? *** 3. RCT Med students Class 2014, web education vs lecture * (Fall 2010)
Master Physical Diagnosis. UAB 4 <sup>th</sup> Year Elective	Carlos Estrada, MD, MS, <a href="mailto:cestrada@uab.edu">cestrada@uab.edu</a> .	<u>Status:</u> Data available to examine the curricular impact of a month-long elective for 4th year medical students (pre/post, 7 years of data, multimodal evaluation) <u>Role/Outcome:</u> Analyze data, present abstract, write manuscript.*** 1. Do IRB 2. Describe curriculum, compare pre/post OSCE performance, attitudes, perceptions
Medical Education. National Meeting Evaluation	Carlos Estrada, MD, MS, <a href="mailto:cestrada@uab.edu">cestrada@uab.edu</a> .	<u>Status:</u> Medical Education - Evaluations at national meetings are used to fulfill CME requirements and guide future meetings. Scales are sometimes limited by a "ceiling" effect, i.e.: sessions are ranked highly and thus discrimination is limited. Data available to compare two evaluation scales (different anchoring points) from a national meeting. <u>Role/Outcome:</u> Analyze data, present abstract, write manuscript.* 1. Do IRB

		2. Describe scales, compare scales scores.
Patient Safety Conference	Ben Taylor, MD, MPH <a href="mailto:bbtaylor@uab.edu">bbtaylor@uab.edu</a>	<u>Status:</u> Dr. Taylor has started a unique patient safety conference. The case discussed provides opportunities for learning about process improvement. <u>Role/Outcome:</u> Attend one conference, take notes/ audiotape, write a manuscript describing the process and learning points *** (this can be completed in less than 2 months). The VA Quality Scholar Fellows and Dr. Estrada can assist.
Clinical Vignettes Rankings	Carlos Estrada, MD, MS, <a href="mailto:cestrada@uab.edu">cestrada@uab.edu</a> . Lisa Willett, MD, MS, Jeremiah Newsom, MD	<u>Status:</u> Manuscript in progress. <u>Role/Outcome:</u> TBD
Peru ICOHRTA Network for AIDS/TB Research Training (Fogarty Int Center, 1U2RTW007374-01A1). Training grant. Measure the educational impact of a workshop.	Carlos Estrada, MD, MS, <a href="mailto:cestrada@uab.edu">cestrada@uab.edu</a> . Gustavo Heudebert, MD, <a href="mailto:gheudebert@uab.edu">gheudebert@uab.edu</a> .	<u>Status:</u> Data (pre- post) available for workshop given in the past few years. Workshops, every June. <u>Role/Outcome:</u> Inactive (Peruvian investigators working on this), review literature, analyze data, present abstract, write manuscript.
ICM Course Director, Clinical Skills Education	Stanford Massie MD <a href="mailto:smassie@uab.edu">smassie@uab.edu</a>	Opportunities for students interested in clinical skills educational research may be available. No guaranteed funding is available, but I will gladly work with interested students to try to identify funding for potential projects
Areas of scholarly interest/publication: Medical professionalism Medical ethics History of medicine Nature of medical knowledge and judgment Undergraduate and postgraduate medical education	Thomas Huddle MD, PhD <a href="mailto:thuddle@uab.edu">thuddle@uab.edu</a>	I would work with students interested in conceiving and carrying out a project that would issue in a scholarly article on a topic of mutual interest. Projects with which I can be most useful would be conceptual and discursive in character rather than empirical. That is, I can best help students interested in contributing to the conversation in the literature in regard to their topic at a theoretical level.

Resources: Overview of Research Opportunities for UAB Medical Students.  
<http://main.uab.edu/uasom/2/show.asp?durki=19968>. Peter Smith, PhD Director of Scholarly Activity.  
<http://www.uasom.uab.edu/publicdocuments/april/samentor.pdf>

## **General Internal Medicine Faculty**

### **Carlos Estrada, MD, MS – Professor and Director, General Internal Medicine, Fellowship Director, Veterans Affairs National Quality Scholars, Birmingham**

Dr. Estrada is Professor of Internal Medicine and Division Director. Carlos joined our faculty in 2005 where he was previously Division Chief at East Carolina University. Carlos is a clinician-educator who also participates in our research program. He has a federally funded grant to improve our understanding and care of patients with diverse backgrounds. Dr Estrada's research interests are in low-literacy, cultural competency, decision sciences, and evidence-based medicine. He has conducted research on low-literacy among elderly patients receiving anticoagulants, developed low-literacy brochures, and implemented a nurse-led anticoagulation management service. He also serves on the editorial board of JGIM.

#### **EDUCATION:**

MD	1981-1987	Cayetano Heredia University, Lima, Peru
MS	1991-1993	University of Michigan, Ann Arbor, Michigan
Internship	1988-1989	Henry Ford Hospital, Detroit, Michigan
Residency	1989-1991	Henry Ford Hospital, Detroit, Michigan

### **Gustavo Benaderet, MD – Assistant Professor, General Internal Medicine**

Dr. Benaderet is an Assistant Professor of Internal Medicine. He is a clinician-educator who attends on the inpatient service at University Hospital and Cooper Green Mercy Hospital. He also attends in University Hospital on the hospitalist service. He attends at Birmingham Health Care in our teaching ambulatory clinic.

#### **EDUCATION:**

MD	1981-1987	Universidad DeLa Republica, Montevideo, Uruguay
Internship	2002-2003	Indiana University School of Medicine, Indianapolis, IN
Residency	2003-2005	Indiana University School of Medicine, Indianapolis, IN

### **Emily Boohaker, MD – Associate Professor, General Internal Medicine**

Dr. Boohaker is an Associate Professor of Internal Medicine. She is a clinician-educator who has three main areas of focus. She is the Director of our clinical practice; she participates in that practice 3 half days per week and one half day per week in our teaching clinic BVAMC. Finally she works as a physician advisor working with the Health Information Management Department on compliant documentation five half days a week.

#### **EDUCATION:**

MD	1983-1987	University of Alabama School of Medicine, Birmingham, AL
Internship	1987-1988	University of Michigan Hospitals, Ann Arbor, MI
Residency	1988-1990	University of Michigan Hospitals, Ann Arbor, MI

### **Teresa Bryan, MD – Associate Professor, General Internal Medicine**

Dr. Bryan is an Associate Professor who works part-time (6/8's) at the VA. She participates in the Women's Health Track, teaches in clinic, sees her own patients and runs the Women's Health Clinic at the VA Hospital. She also has administrative responsibility for the Block rotations for our residents.

**EDUCATION:**

MD 1983-1988 Medical College of Georgia, Augusta, GA  
 Internship 1988-1989 University of Alabama at Birmingham, Birmingham, AL  
 Residency 1989-1991 University of Alabama at Birmingham, Birmingham, AL

**Analia Castiglioni, MD – Assistant Professor, Division of General Internal Medicine**

Dr. Castiglioni is an Assistant Professor attending at the VA in the outpatient and inpatient setting and in the Kirklin Clinic Patient Centered Medical Home. She was fellowship trained at University of Pennsylvania in medical education. At the Medical College of Pennsylvania in Philadelphia, she received the Janet M. Glasgow Memorial Achievement Citation by the American Medical Women Association and membership into Alpha Omega Alpha Honorary Medical Society. She does medical education research as well as direct clinical work and both ward and clinic attending supervision. Her current academic research projects focus on the use of nominal group technique to assess characteristics of successful ward attending rounds and teaching and assessment of clinical skills during medical school.

**EDUCATION:**

MD 1995-1997 Medical College of Pennsylvania, Philadelphia, PA  
 1990-1994 University of the Republic School of Medicine, Montevideo, Uruguay  
 Internship 1997-1998 University of Pennsylvania, Philadelphia, PA  
 Residency 1998-2000 University of Pennsylvania, Philadelphia, PA  
 Fellowship 2000-2002 General Internal Medicine, Philadelphia, PA

**Robert M. Centor, MD – Professor & Associate Dean, Huntsville Medical Campus**

Dr. Centor is Professor of Medicine and Associate Dean of the Huntsville Campus. He is an ACP Board Regent and past-president of the Society of General Internal Medicine (SGIM). Dr. Centor's research interests are in quality of care, chronic kidney disease and medical education.

**EDUCATION:**

MD 1971-1975 Medical College of Virginia, Richmond, Virginia  
 Internship 1975-1976 Medical College of Virginia, Richmond, Virginia  
 Residency 1976-1978 Medical College of Virginia, Richmond, Virginia  
 Fellowship 1978-1979 University of Texas Health Science Center, Dallas, TX  
 CMR 1980-1981 Medical College of Virginia, Richmond, Virginia

**William A. Curry, MD – Professor, Division of General Internal Medicine**

Dr. Curry is a full professor of Internal Medicine who joined our faculty in 2005. He is the former Associate Dean of the Tuscaloosa Regional Medical Campus of UAB from 1997 until 2005. He formerly was in private practice in Rural Alabama. Bill is also the Associate Dean for Primary Care and Rural Medicine. He was the former President of the State Medical Association and member of the State Committee of Public Health and Board of Medical Examiners. He served as Chair of the HRSA Advisory Committee in 2009-2010. He does significant ward attending and clinic supervision at the BVAMC, Birmingham Health Care and University Hospital.

**EDUCATION:**

MD 1972-1976 Vanderbilt University, TN  
 Internship 1976-1977 Vanderbilt University Hospital, Tennessee

Residency	1977-1979	Vanderbilt University Hospital, Tennessee
CMR	1981-1982	Hugh J. Morgan CMR Vanderbilt University Hospital

**Jason R. Hartig, MD – Assistant Professor, Division of General Internal Medicine**

Dr. Hartig an Assistant Professor in the Division of General Internal Medicine and is the Director of our Med-Peds Teaching Program. He has a joint appointment with general pediatrics. He does both ward attending and clinic attending.

**EDUCATION:**

MD	1992-1996	University of Missouri-Kansas City, MO
Internship	1996-1997	University of Alabama at Birmingham, B'ham, AL
Residency	1997-2000	University of Alabama at Birmingham, B'ham, AL
CMR	1999-2000	University of Alabama at Birmingham, B'ham, AL

**Gustavo R. Heudebert, MD – Professor and Internal Medicine Residency Program Director, Vice Chair of Education and Faculty Development in the Dept of Medicine**

Dr. Heudebert is a full Professor of Internal Medicine. He is the Program Director for the Department of Internal Medicine and Vice Chair of Education. He is published widely on various areas in medical decision making. He is the Associate Dean for Graduate Medical Education. He also serves on the editorial board of JGIM and writes questions for the American Board of Internal Medicine.

**EDUCATION:**

MD	1977-1982	Universidad Peruana Cayetano, Lima Peru
Internship	1984-1985	Henry Ford Hospital, Detroit, Michigan
Residency	1985-1987	Henry Ford Hospital, Detroit, Michigan
Fellowship	1988-1989	Clinical Fellow, Medical College of Wisconsin
Fellowship	1989-1992	Research Fellow, Medical College of Wisconsin

**Thomas S. Huddle, MD, PhD – Professor, Division of General Internal Medicine**

Dr. Huddle is a Professor of Internal Medicine and has a PhD in history. He supervises residents at the VA in the inpatient and outpatient setting. He also supervises residents at Birmingham Health Care. He teaches in the medical school and has written extensively about medical history and medical philosophy.

**EDUCATION:**

MD	1981-1985	University of Illinois at Urbana-Champaign, IL
PhD	1985-1988	University of Illinois at Urbana-Champaign, IL
Internship	1986-1987	University of Wisconsin Hospitals & Clinics
Residency	1987-1989	University of Wisconsin Hospitals & Clinics
Fellowship	1989-1991	Robert Wood Johnson Clinical Scholars Program, University of Pennsylvania

**May Jennings, MD – Assistant Professor, Division of General Internal Medicine**

Dr. Jennings is an Assistant Professor of Internal Medicine. May joined our faculty in 2006 after working at the Huntsville Campus for six years. She is a clinician-educator who receives a

significant portion of her salary from the VA. She works in the outpatient clinic as well as on the wards and in the VA Emergency Room. She is the lead physician for our teaching ambulatory clinic at Birmingham Health Care.

**EDUCATION**

MD	1992-1996	UAB School of Medicine, Birmingham, AL
Internship	1996-1997	Medical College of Georgia
Residency	1997-1999	University of Alabama at Birmingham, Birmingham, AL

**F. Stanford Massie, Jr, MD – Associate Professor, Division of General Internal Medicine, Course Director, Introduction to Clinical Medicine**

Dr. Massie is an Associate Professor of Medicine and Clinician-Educator. His main administrative responsibilities are the director of Introduction to Clinical Medicine Course. He also is in charge of our Medicine Noon Conference. Stan has his own private practice, 2 half days per week. He attends in clinic and on the wards and has won teaching awards several times. Dr. Massie’s research interests are in medical education and clinical skills training. He has been active at the national level in attempting to advance clinical skills training for medical students.

**EDUCATION**

MD	1990 - 1994	Medical College of Virginia, Richmond, VA
Internship	1994 - 1995	Internal Medicine, University of Alabama at Birmingham, Birmingham, AL
Residency	1995 - 1997	Residency, Internal Medicine, University of Alabama at Birmingham, Birmingham, AL
CMR	1997 - 1998	Medicine, University of Alabama at Birmingham

**Jason L. Morris, MD - Assistant Professor, Division of General Internal Medicine, Clerkship Director, School of Medicine**

Dr. Morris is an Assistant Professor of Medicine as well as who in 2009 was appointed the Clerkship Director in the School of Medicine. He is also a clinician-educator, doing inpatient and outpatient teaching. He attends at the BVAMC in the ER and in the inpatient and outpatient teaching clinics. Dr. Morris serves as a preceptor for the Introduction to Clinical Medicine course and as a preceptor for the Master Physical Diagnosis course. He has been recognized by the medical students as an Argus Award Nominee for Best Internal Medicine Attending in 2004-2005 and by the Internal Medicine residents with the Junior Faculty Teaching Award in 2005-2006. Dr. Morris completed the General Internal Medicine Faculty Development Fellowship Program at UNC Chapel Hill for 2007-2009.

**EDUCATION:**

MD	1997-2001	University of Alabama at Birmingham, Birmingham, AL
Internship	2001-2002	University of Alabama at Birmingham, Birmingham, AL
Residency	2002-2004	University of Alabama at Birmingham, Birmingham, AL
CMR	2004-2005	University of Alabama at Birmingham, Birmingham, AL

**Katherine G. Romp, MD – Assistant Professor, Division of General Internal Medicine**

Dr. Romp is an Assistant Professor who works part-time. Even though part-time, she has a very successful private practice in Kirklin Clinic. She is also an excellent teacher and attends in the

Birmingham Health Care teaching clinic. She served as medical director of the Russell Clinic, the UAB internal medicine outpatient clinic, until 2005 while building a busy practice at The Kirklin Clinic. Dr. Romp currently devotes 75% and 25% of her professional time at Kirklin Clinic and Birmingham Health Care, respectively.

**EDUCATION:**

MD	1991-1995	Duke University School of Medicine, Durham North Carolina
Internship	1995-1196	University of Alabama at Birmingham School of Medicine, Birmingham, AL
Residency	1996-1998	University of Alabama at Birmingham School of Medicine, Birmingham, AL
CMR	1998-1999	University of Alabama at Birmingham School of Medicine, Birmingham, AL

**Andrew L. Sellers, MD – Assistant Professor, Division of General Internal Medicine**

Dr. Sellers is an Assistant Professor. He attends in the VA Emergency Room and works in the VA outpatient teaching clinic. He also attends at Birmingham Health Care and on the inpatient service at University Hospital, Cooper Green Mercy Hospital and BVAMC. He also attends on the University Hospital hospitalist service and will lead the BVAMC Hospitalist Service beginning in July 2010.

**EDUCATION:**

MD	1999-2003	University of Alabama at Birmingham School of Medicine, Birmingham, AL
Internship	2003-2004	University of Alabama at Birmingham School of Medicine, Birmingham, AL
Residency	2004-2006	University of Alabama at Birmingham School of Medicine, Birmingham, AL
CMR	2006-2007	University of Alabama at Birmingham School of Medicine, Birmingham, AL

**Terrence M. Shaneyfelt, MD, MPH – Associate Professor, Division of General Internal Medicine**

Terrence Shaneyfelt – Dr. Shaneyfelt is an Associate Professor who is the Director of the VA Section. He has done research in guidelines and extensive inpatient and outpatient teaching at the VA Hospital. Dr. Shaneyfelt is a nationally recognized expert on Evidence Based Medical Education.

**EDUCATION:**

MD	1989-1993	Louisiana State University School of Medicine
Internship	1993-1994	University of Alabama at Birmingham, School of Medicine, Birmingham, AL
Residency	1994-1996	University of Alabama at Birmingham, School of Medicine, Birmingham, AL
MPH	1996-1998	Faculty Development and Fellowship Program in General Internal Medicine Harvard Medical School and Beth Israel Deaconess Medical Center, Boston, Massachusetts

**Erin Snyder, MD – Assistant Professor, Division of General Internal Medicine**

Dr. Snyder is an Assistant Professor. She is functioning as a clinician-educator seeing private patients in Kirklin Clinic 4 half days per week and doing both ward attending and teaching. She attends at the BVAMC in the Women’s Clinic and the ambulatory teaching clinic. Dr. Snyder leads the Restructuring Residency Clinic Committee, addressing educational needs in ambulatory setting. Dr. Snyder’s educational interests include the improvement of gender specific education in internal medicine training, and the expansion of the ambulatory care experience for residents.

**EDUCATION**

MD	1999-2003	University of Alabama School of Medicine, Birmingham, AL
Internship	2003-2004	University of Alabama at Birmingham, School of Medicine, Birmingham, AL
Residency	2004-2006	University of Alabama School of Medicine, Birmingham, AL – Primary Care track

**Alan M. Stamm, MD – Professor, Division of General Internal Medicine**

Dr. Stamm is a full Professor of Internal Medicine. He is the director of the Primary Care Training Program. He is also Board certified in Infectious Disease and serves as the Hospital’s Infection Control Officer. He does inpatient ward attending, he does outpatient clinic teaching and has a small private practice in Kirklin Clinic. He also does Infectious Disease Consults.

**EDUCATION:**

MD	1971-1975	University of California, San Diego, CA
Internship	1975-1976	University of California School of Medicine, San Francisco, CA
Residency	1976-1977	University of California School of Medicine, San Francisco, CA
Fellowship	1978-1980	Infectious Diseases, University of Alabama at Birmingham, Birmingham, AL

**Benjamin B. Taylor, MD, MPH – Assistant Professor, Division of General Internal Medicine**

Dr. Taylor is an Assistant Professor of Internal Medicine. He received his MPH from Harvard School of Public Health. He attends in University Hospital and at the BVAMC. He is also the Associate VA Quality Scholars Fellowship Director at the BVAMC, as well as the University Hospital Medical Director for Quality and Safety. Dr. Taylor was named Associate Chief of Staff at University Hospital in 2009.

**EDUCATION**

MD	1997-2001	University of North Carolina School of Medicine, Chapel Hill, NC
Internship	2001-2002	University of Alabama at Birmingham, School of Medicine, Birmingham, AL

Residency	2002-2005	University of Alabama at Birmingham, School of Medicine, Birmingham, AL
Fellowship	2005-2007	Harvard Medical School Development and Fellowship Program General Internal Medicine, Beth Israel Deaconess Medical Center

**Lisa L. Willet, MD – Associate Professor, Division of General Internal Medicine, Associate Residency Program Director**

Dr. Lisa Willett is an Associate Professor of Internal Medicine. She is the Associate Program Director for Internal Medicine. She has recently served as the Associate Director for the Southern Society of General Internal Medicine 2008 Annual Meeting. Lisa participates in medical education research and has published several articles related to that. She also serves on the editorial board of JGIM. She has a private primary care practice in TKC 2 half days per week and attends in the TKC teaching clinic 1 half day per week. She has received numerous teaching awards by residents, has been recognized annually by the Department of Medicine as a Top Ten Teacher, and was honored with the Southern Region Society of General Internal Medicine (SGIM) Clinician-Educator of the Year Award (2006). She is an active member of the Society of General Medicine, serving as the Southern Regional Secretary Treasurer (2005-07), a member of the Clinical Vignette and Workshop Selection Committees, poster session coordinator, and will be the Program Chair for the 2008 meeting. On a national level, she serves as a Deputy Editor for the Journal of General Internal Medicine for Clinical Vignettes. She has presented numerous abstracts and workshops at the Regional and National SGIM meetings and the Association of Program Directors in Internal Medicine (APDIM) on areas related to medical education research, curriculum development, and clinical vignettes. She is currently involved in studies related to fertility awareness among residents, and developing more effective evaluation measures for residency education.

**EDUCATION**

MD	1992-1996	University of Alabama at Birmingham, School of Medicine, Birmingham, AL
Internship	1996-1997	University of Alabama at Birmingham, School of Medicine, Birmingham, AL
Residency	1997-1999	University of Alabama at Birmingham, School of Medicine, Birmingham, AL
CMR	1999-2000	Chief Medicine Resident, Department of Medicine, University of Alabama at Birmingham, B'ham, AL

**Alexandria Leigh, MD – Assistant Professor, Division of General Internal Medicine and Geriatric Medicine**

Dr. Leigh has a dual appointment in the Division of General Internal Medicine and Division of Geriatric Medicine. She practices at the BVAMC in the GIM ambulatory clinic and inpatient attending and in the BVAMC Palliative Care unit.

**EDUCATION**

MD	2001-2005	University of Alabama at Birmingham, School of Medicine, Birmingham, AL
Internship	2005-2006	University of Alabama at Birmingham, School of Medicine, Birmingham, AL

Residency	2006-2008	University of Alabama at Birmingham, School of Medicine, Birmingham, AL
CMR	2008-2009	Chief Medicine Resident, Department of Medicine, University of Alabama at Birmingham, B'ham, AL
Fellowship	2009-2010	Palliative Care, University of Alabama at Birmingham, B'ham, AL

**Stefan Kertesz, MD,MS – Associate Professor, Division of General Internal Medicine and Preventive Medicine**

Dr. Kertesz has a dual appointment in the Division of General Internal Medicine and Division of Preventive Medicine. He practices in the BVAMC GIM ambulatory clinic. Dr. Kertesz has been a physician with Birmingham Health Care for the Homeless. He holds academic appointments at UAB, Center for Outcomes and Effectiveness Research and Education (COERE), Minority Health and Research Center (MHRC), Center for Education and Research on Therapeutics of Musculoskeletal Disorders (CERTS), Center for the Study of Community Health, Center for Health Promotion (CHP), and Birmingham VA Deep South Center on Effectiveness.

**EDUCATION**

MD	1989-1993	Harvard Medical School, Boston, MA
Internship	1993-1994	Beth Israel Hospital and Harvard School of Medicine, Boston, MA
Residency	1994-1996	Beth Israel Hospital and Harvard School of Medicine, Boston, MA
	2000-2002	Preventive Medicine Residency, Boston University, Boston, MA
Fellowship	2000-2002	General Internal Medicine, Boston University, Boston, MA
MS	2002	Boston University School of Public Health, Boston, MA