

Clinician Scholar Educator Award

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What is the CSE Award?

The purpose of the Clinician Scholar Educator Award is to support ACR and AHRP members seeking to develop a career in education and training, with the aim of enhancing education **in the musculoskeletal and rheumatic diseases**.

In 2015, the Clinician Scholar Educator Advisory Panel conducted a portfolio review of the program. The following gaps were identified and additional considerations should be given to addressing these gaps in the future:

- **Learners:** Allied health professionals, minority students and patients
- **ACGME competencies:** PBLI, SBP, Prof
- Clarification research with theoretical grounding
- **Content:** Basic science, research curriculum
- Follow-up and dissemination of projects

History of the Clinician Scholar Educator Awards

The Rheumatology Research Foundation established an innovative and unprecedented grant support for Rheumatology clinician educators. This award emphasized the ACR commitment to the education mission of the College. Modern academic centers within the structure of modern health care provided an atmosphere that may threaten the academic missions including education. The American College of Rheumatology responded to this concern and possible future impacts to the three missions represented on the triangle logo of the ACR.

In August 1997, Dr. William Koopman, then President of the ACR, appointed a Blue Ribbon Committee on the Future of Academic Rheumatology. The committee was under the leadership of Dr. Eng Tan. From this important committee, a report was submitted to the ACR Board of Directors in March 1998. There was a consensus that one of the first priorities was the creation of a grant program to support the work of clinician educators in rheumatology. The Rheumatology Research Foundation Clinician Scholar Educator Award was born. Support of talented clinician educators to educate, mentor, and inspire medical students and residents was established. Sharing knowledge about rheumatology with the next generation of physicians would provide improved outcomes for patients with rheumatologic disorders and may also recruit the best and brightest physicians into a professional path in rheumatology.

The first three Rheumatology Research Foundation Clinician Scholar Educator Awards were granted in July, 1999. Since that time there has been an energetic and ever growing cohort of clinician educators dedicated to the scholarship of education, mentorship, and inspiration of future physicians who will care for patients and may be inspired to pursue rheumatology as their future endeavor.

The intent of the Rheumatology Research Foundation Clinician Scholar Educator Award is to develop and support educational scholars in the field of rheumatology. These unique individuals serve as excellent role

models for future rheumatologists and rheumatology health professionals and deserve recognition and support. Through this award, applicants should demonstrate their goal of developing a career in medical education and training, with the aim of enhancing education in the musculoskeletal and rheumatic diseases, and of attracting the best trainees into a career in rheumatology.

Meet the Active Clinical Scholar Educator Awardees

FY2015 Awardees



Maria Dall'Era, MD

University of California, San Francisco

Despite the financial pressures that have led to shorter hospital stays and clinic times with patients, Dr. Dall'Era still firmly believes direct patient engagement is critical for learning to occur. To fulfill the growing need for direct patient engagement and to capture today's "digital natives", Dr. Dall'Era plans to create a virtual patient simulation tool with gaming principles.

Dr. Dall'Era is an Associate Professor at the University of California, San Francisco School of Medicine and has a special interest in SLE.



Eli M. Miloslavsky, MD

Massachusetts General Hospital

Dr. Miloslavsky received his M.D. from Mount Sinai School of Medicine and completed his internal medicine residency and rheumatology training at the Massachusetts General Hospital in Boston. Dr. Miloslavsky is currently an Instructor of Medicine at the Massachusetts General Hospital and Harvard Medical School with a medical education research focus in teacher development and a clinical research focus in vasculitis.

"Harnessing the internal motivation of the learner, and uniting that motivation to a thoughtful teaching approach focused on observation, feedback and coaching, is the best method for promoting life-long learning skills", is Dr. Miloslavsky's educational philosophy.

Dr. Miloslavsky aspires to be an expert in teacher development and to implement innovative curricula at the medical school, residency and fellowship levels.



Jennifer E. Sloane, MD

Thomas Jefferson University

"Only through committed thinking 'outside of the box', can we continue to address the diagnostic dilemmas that physician often face" is Dr. Sloane's educational philosophy. Early on in medical school, Dr. Sloane made a very simple observation—her classmates did not attend class lectures. It wasn't long before Dr. Sloane's realized that her classmates preferred reading textbooks or

class notes rather than attend class lectures to obtain their learning. It was evident various learning approaches and environments are needed to address different learning styles. Dr. Sloane addresses the many learning styles by implementing various class materials such as; lectures, visual learning aids, diagrams and small group learning.

Dr. Sloane's believes "active learning" rheumatology curriculum for 2nd year medical students ultimately educates the students better than classic lecture based "passive learning".

Dr. Sloane aspires to be an expert in rheumatology education.

FY2014 Awardees

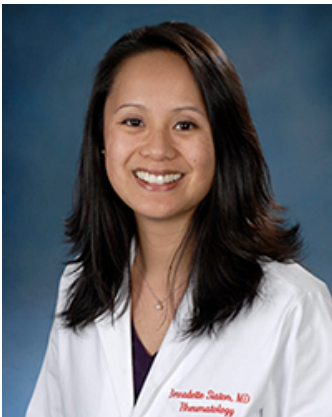


Karen L. Law, MD

Assistant Professor of Medicine, Division of Rheumatology
Associate Clerkship Director, Internal Medicine Clerkship
Emory University School of Medicine

"Sift through data..., generate a hypothesis, test and re-test that hypothesis by ordering and interpreting diagnostic and confirmatory testing" is what Dr. Law calls the, "Moments of Struggle". The "Moments of Struggle" are those critical learning opportunities missed by one too many students with the ever-changing structure of clinical medicine. Dr. Law believes a new approach to learning and teaching is essential to ensure students make decisions that are cost-efficient, logical and fruitful.

Dr. Law has collaborated with many institutions developing education programs and created case-based education materials for the American College of Rheumatology's Lupus Initiative. Dr. Law plans to pursue a future in curricular innovation through educational initiatives that will enhance medical education for medical students and health professional trainees.



Bernadette C. Siaton, MD

Assistant Professor
University of Maryland School of Medicine

As an Assistant Professor just at the start of her educational career, Dr. Siaton already understands, what it takes to be a prodigious educator. "Learning requires and commitment from both the educator and the learner", says Dr. Siaton. A commitment that requires the educator to be innovative, engaged, accessible and adaptable. Dr. Siaton often tells her students to get "off the grid" in order to full engage in learning.

Dr. Siaton's goal is to increase rheumatology matriculation and mentorship of medical students and resident trainees. As well as, becoming involved with rheumatology education on a national level with the American College of Rheumatology.

FY2013 Awardees



Megan L. Curran, MD

Attending physician, Rheumatology; Assistant professor of Pediatrics
Northwestern University Feinberg School of Medicine
Children's Memorial Hospital

Dr. Curran has a special clinical interest in juvenile dermatomyositis, but also enjoys seeing patients with all types of autoimmune conditions including systemic lupus erythematosus, juvenile idiopathic arthritis, vasculitis, scleroderma, and periodic fever syndromes. Her research interests in pediatric rheumatology reside in the field of medical education. Dr. Curran's goal is to improve medical student, resident, and fellow education about pediatric rheumatology. She is presently undertaking a research project to define rheumatology educational goals and objectives for pediatric residents.



Susan F. Kroop, MD

Assistant Professor of Medicine
Vanderbilt University

Dr. Kroop believes learning and teaching in the clinical setting is unique in that it requires both attention to patient care and to the learner. In the outpatient clinical setting, she has found the [SNAPPS technique](#) to be very useful. This framework of "Summarize, Narrow, Analyze, Probe, Plan, Select" allows her to learn "where the learner is" in their knowledge base and engage the learner. Dr. Kroop says that the SNAPPS Technique "ensures that the learner will have a question which I may or may not be able to answer, thereby engaging both of us in the process."

Learn more about products produced by CSE Awardees

Rheumatology Research Foundation Clinician Scholar Educator Award recipients are unique and talented individuals who devote themselves to developing products and processes to effectively and efficiently train future rheumatologists utilizing new and emerging technologies and educational methods at academic centers across the country. The Rheumatology Research Foundation is pleased to provide the protected time needed for these activities through funding this important program. Many scholars have created new and exciting training tools and products that will help advance rheumatology training. Below are a few of our most recent scholars and the products they've developed as a result of their Rheumatology Research Foundation funding. **Are you a CSE Awardee with a product you want us to feature?** Let us know by emailing foundation@rheumatology.org

E-Support for Pediatric Residency Rheumatology Teaching

*Developed by Megan L. Curran, MD, Attending Physician, Rheumatology; Assistant Professor of Pediatrics, Northwestern University Feinberg School of Medicine, Children's Memorial Hospital
Funded July 2012- June 2015*

A web-based blog to support rheumatology teaching within residency curriculum, primarily aimed toward chief residents at institutions where no rheumatologist is available to teach or with limited rheumatologist contact. Improvement of resident teaching will increase pediatricians' knowledge of rheumatologic conditions so these diagnoses are considered more often when ill children are assessed. Appropriate referrals to pediatric rheumatologists should increase and inappropriate referrals decrease. The ultimate goal of this teaching method is to improve diagnosis and care for patients with rare conditions.

[OuchMyLeg!](#)

A Web-based educational tool to teach a standardized musculoskeletal examination in children

Developed by Yukiko Kimura, MD, Hackensack University Medical Center, Associate Program Director, Pediatric Rheumatology, Funded July 2008 - June 2010

A unique multi-specialty project that involves collaboration between pediatric rheumatology and orthopedics, whose aim is to teach a broader curriculum of pediatric musculoskeletal medicine to primary care providers, students and residents. These modules will teach a musculoskeletal screening exam and differential diagnostic considerations, as well as modules that focus on aspects of the differential diagnosis (infections, trauma, arthritis and rheumatic diseases, malignancies, etc.), and more focused physical examination skills (the knee, hip, spine, etc.), with each module having orthopedic and rheumatology authors. A collaboration with The Children's Hospital of Philadelphia resulted with an additional series called "Pediatric Musculoskeletal Medicine," housed through their Pedialink® series, which are web-based educational courses on the American Academy of Pediatrics' web site. [Pediatric Musculoskeletal Medicine Course Series](#)

Web-based Interactive Rheumatology Experience (WIRE)

Developed by Christopher E. Collins, MD, Washington Hospital Center, Program Director, Rheumatology, Funded July 2009 — June 2012

A Web-based Interactive Rheumatology Experience (WIRE) accessible to all levels of trainees, and a self-perpetuating program for ongoing learning. A case-based, interactive rheumatology learning tool using cases from the District of Columbia Intra-city Rheumatology Rounds.

www.rheumwire.com

www.rheumpearls.com

Follow on Twitter [@RheumPearls](#)

Focusing on Basics: Regional Musculoskeletal Modules

Developed by Jessica Berman, MD, Hospital for Special Surgery, Associate Program Director, Department of Rheumatology, Funded July 2009 - June 2012

Regional modules of the body which simultaneously teach basics in musculoskeletal anatomy, pathophysiology, joint exam and injection techniques, medical residents and students will more readily achieve a solid foundation in rheumatology which will thereafter serve as a stimulus to self-directed education. The modules include the areas of the knee and shoulder and take place in the Hospital for Special Surgery Bioskills Education Laboratory which provides this project with cadaveric specimens for the teaching. All of which will be transferred to web access videos and DVD's.

A joint injection app will be released soon and it will be available for download free for learners to help maintain proficiency.

[AnthroApps](#)

A Competency Based Musculoskeletal Ultrasound Curriculum

Developed by Eugene Kissin, MD, Boston University, Director of Medical Student and Resident Education, Rheumatology, Funded July 2010 — June 2013

A year-long, web-based and hands-on, blended-learning curriculum which would include web-based teaching materials, quizzes, and ultrasound image submission for review, as well as a hands-on, 20 hour course on to standardize and improve scanning technique. The curriculum would conclude with both multiple choice and hands-on standardized testing of musculoskeletal ultrasound proficiency.

1. A learning curve, and individual variations, for MSUS among rheumatology fellows
2. A website with teaching tools for MSUS
3. An exportable core curriculum for MSUS
4. A validated examination to assess MSUS knowledge and skill

[USSONAR](#)

A Modular Curriculum in Pediatric Rheumatology for Residents, Pediatricians and Adult Specialists

Developed by Amy Woodward, MD, MPH, University of Utah, Associate Professor, Department of Pediatrics, Funded July 2008 - June 2013

A web-based educational resource to train residents more effectively, as well as improve collaborative care between primary care physicians and rheumatologists. The program will be based on educational modules

consisting of instructive cases augmented by structured didactics. Some modules will focus on the work-up of chief complaints, while other modules will discuss specific rheumatologic diseases, including a review of emergencies that can arise with each.

Pediatric Rheumatology Resources

Past CSE Awardees

2000 Clinician Scholar Educator Award Recipients

Louis W. Heck, MD

University of Alabama School of Medicine

Project Title: *A Proposal to Enhance toe Rheumatology Educational Experience for Students at the UAB School of Medicine*

Leonard D. Stein, MD

University of North Carolina at Chapel Hill

Project Title: *Enhancing Medical Education with Internet-Based Rheumatology Education Units: Training Pediatric Residents, Medicine/Pediatric Residents and Medical Students for the 21st Century*

Therese M. Wolpaw, MD

Case Western Reserve School of Medicine

Project Title: *Exemplary Models of Learning in the Rheumatology Outpatient Setting*

2001 Clinician Scholar Educator Award Recipients

John Flynn, MD

Johns Hopkins University School of Medicine

Project Title: *Rheumatology Curriculum for Medical Students*

Leslie E. Kahl, MD

Oregon Health & Science University

Project Title: *Multidisciplinary Arthritis Teaching Clinic*

Kristine M. Lohr, MD

GF Strong Rehab Centre

Project Title: *Multidisciplinary Arthritis Teaching Clinic*

Chester V. Oddis, MD

University of Pittsburgh Medical Center

Project Title: *Teaching, Mentoring, Role-Modeling...The Pittsburgh Experience*

Murray H. Passo, MD

Medical University of South Carolina

Robert Sundel, MD Children's

Hospital Boston

Project Title: *Curriculum for the teaching of musculoskeletal physical diagnosis (MSPD)*

2002 Clinician Scholar Educator Award Recipients

Janine Evans, MD Yale

University

Project Title: *Multidisciplinary Musculoskeletal Disorders Clinical Elective*

Raymond Flores, MD University
of Maryland

Melanie Harrison, MD

Hospital for Special Surgery, Cornell University

Arthur Kavanaugh, MD

University of California, San Diego

Kenneth S. O'Rourke, MD Wake

Forest University

Project Title: *Active learning strategies for delivery of rheumatology content: development and integration within a web-based medical student curriculum*

Sterling G. West, MD

University of Colorado-Denver Medical School

Project Title: *Rheumatology: Small Feedings for the Mind*

2003 Clinician Scholar Educator Award Recipients

Barbara Adams, MD

University of Michigan Health Center

Project Title: *Developing a Curriculum in Sociocultural Medicine to Teach Pediatric Rheumatology*

Robert Ike, MD

University of Michigan Health System

Project Title: *Rheumatology as a Contact Sport*

James Jarvis, MD

Columbia University Medical Center

Project Title: *Mentoring Native American Students in Rheumatology and Rheumatology Research*

Michael Pillinger, MD

NYU School of Medicine, Hospital for Joint Diseases

Project Title: *A Program for Teaching*

Marianne L. Shaw, MD

Affiliated with Altoona Regional Health System - Altoona Hospital

Project Title: *Internal Medicine Residents in Immunology and Rheumatology*

Joan Von Feldt, MD, MS Ed

University of Pennsylvania

Project Title: *Rheumatology Development of a Comprehensive Curriculum for Medical Students and Internal Medicine Residents in Immunology and Rheumatology*

2004 Clinician Scholar Educator Award Recipients

Michael Battistone, MD

University of Utah

Project Title: *Developing medical students as clinician scholar educators: A patient-centered, student-focused mentoring program*

Allan Gelber, MD, PhD

Johns Hopkins University

Project Title: *Tutorial-enhanced educational program in clinical rheumatology*

Anne Minenko, MD

University of Minnesota

Project Title: *Is educational culture linked to resident sub-specialty choice?*

Nancy Olsen, MD

Penn State MS Hershey Medical Center

Project Title: *Rheumatology at Meharry Medical College and UT Southwestern*

2005 Clinician Scholar Educator Award Recipients

Robert A. Kalish, MD

Tufts University

Project Title: *Quest for Rheumatologic Diagnosis*

Don R. Martin, MD

Johns Hopkins University

Project Title: *Enhanced Rheumatology Curriculum for Medical Residents at the Johns Hopkins Hospital*

Charles H. Spencer, MD

Nationwide Children's Hospital

Project Title: *A Web-Based Educational Program for Medical Students and Pediatric Residents on Pediatric Rheumatology*

Patience White, MD

Arthritis Foundation

Project Title: *Facilitating Rheumatology Fellows Ability*

2006 Clinician Scholar Educator Award Recipients

Seth M. Berney, MD

Louisiana State University Health Sciences Center

Project Title: *Innovative Rheumatology Teaching Methods*

Jamal A. Mikdashi, MD, MPH University of Maryland SOM

Project Title: *The Impact of Teaching Geriatric Rheumatology to Internal Medicine Residents on the Quality of Care of Musculoskeletal Conditions*

W. Neal Roberts, Jr., MD

Virginia Commonwealth University

Project Title: *A Quantitative, Generational Cohort-Based Approach to Rheumatology Recruitment*

2007 Clinician Scholar Educator Award Recipients

W. Winn Chatham, MD

University of Alabama at Birmingham

Project Title: *Integrated patient based rheumatic disease module*

Helen M. Emery, MD

Children's Hospital & Regional Medical Center

Project Title: *Enhancing musculoskeletal exam skills and pediatric rheumatology knowledge*

Paulette C. Hahn, MD

University of Florida College of Medicine

Project Title: *The art of clinical reasoning in rheumatology: Curriculum development for internal medicine residents*

Carol M. Ziminski, MD John

Hopkins University

Project Title: *A Rheumatology Education Program that Couples Preceptor/Apprenticeship with Electronic/Web-Based Teaching*

2008 Clinician Scholar Educator Award Recipients

Abby G. Abelson, MD

Cleveland Clinic Foundation

Project Title: *Web-based problem-based rheumatology curriculum*

Yukiko Kimura, MD

Hackensack Univ. Med. Center

Project Title: *A Web-based educational tool to teach a standardized musculoskeletal examination in children*

Sharon Kolasinski, MD

UMDNJ-Robert Wood Johnson Medical School (Camden)

Project Title: *Rheumatology Education: Focusing the Options for Medical Students*

2009 Clinician Scholar Educator Award Recipients

James D. Katz, MD, FACP

George Washington University Medical Center

Project Title: *Introducing the testimonial-commentator format to the musculoskeletal curriculum of medical students*

James M. Ross, MD
Lehigh Valley Hospital
Project Title: *Development of a curriculum to utilize medical resident clinic for rheumatology education*

Karina Marianne D. Torralba, MD
University of Southern California
Project Title: *Team-learning strategies in rheumatology: Fostering accountability, reflective learning and critical thinking*

Amy Woodward, MD, MPH
Vanderbilt University School of Medicine
Project Title: *A comprehensive, interactive pediatric rheumatology curriculum*

2010 Clinician Scholar Educator Award Recipients

Jessica Berman, MD
Hospital for Special Surgery
Project Title: *Focusing on Basics: Regional Musculoskeletal Modules*

Christopher E. Collins, MD, FACR
Georgetown University Hospital Washington Hospital Center
Project Title: *Web-based Interactive Rheumatology Experience (WIRE)*

Deana M. Lazaro, MD
SUNY Health Science Center at Brooklyn Program
Project Title: *Development of a Multimodal Rheumatology Elective: a Controlled Study*

2011 Clinician Scholar Educator Award Recipients

Eugene Kissin, MD Boston
University
Project Title: *A Competency Based Musculoskeletal Ultrasound Curriculum*

Seetha Monrad, MD
University of Michigan Medical Center
Project Title: *Methodology for teaching medical students rheumatology*

David Sherry, MD
Children's Hospital of Philadelphia
Project Title: *Developing OSCEs for Pediatric Rheumatology*

2012 Clinician Scholar Educator Award Recipients

Juliet Aizer, MD, MPH Hospital for
Special Surgery
Project Title: *Development of curricula in metabolic bone disease*

Michal J. Cidon, MD Stanford
University
Project Title: *Web-Based Learning Portfolios in Pediatric Rheumatology*

Lisa G. Criscione-Schreiber, MD Duke
University
Project Title: *Development of ROSCE stations with follow up modules*

Rodney Tehrani, MD
Loyola University Medical Center
Project Title: *A Dynamic Competency Based Learning Modules*

2013 Clinician Scholar Educator Award Recipients

Megan L. Curran, MD Children's
Memorial Hospital
Project Title: *E-Support for Pediatric Residency Rheumatology Teaching*

Susan F. Kroop, MD Vanderbilt
University
Project Title: *Rheumatology 101: Ambulatory Based Curriculum Development*

2014 Clinician Scholar Educator Award Recipients

Karen L. Law, MD
Emory University School of Medicine
Project Title: *Decision-Based Learning to Highlight Rheumatic Disease*

Bernadette C. Siaton, MD
Duke University Hospital
Project Title: *Development of a web-based rheumatology curriculum*

2015 Clinician Scholar Educator Award Recipients

Maria Dall'Era, MD
University California San Francisco
Project Title: *Virtual patient simulation for rheumatology education*

Eli Miloslavsky, MD
Massachusetts General Hospital
Project Title: *The Fellow as Clinical Teacher Curriculum (FACT)*

Jennifer E. Sloane, MD
Thomas Jefferson University
Project Title: *Utility of an Inverted Classroom to teach Rheumatology*