

**BIOGRAPHICAL SKETCH**

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NAME: Lee Rodney Leddy

eRA COMMONS USER NAME (credential, e.g., agency login): LEDDYLEE

POSITION TITLE: Associate Professor of Orthopaedic Surgery

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)*

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
University of Florida School of Medicine	M.D.	2003	Medicine
Emory University	B.S.	1999	Biological Sciences
Emory University Department of Orthopedics	Internship	07/2003 - 06/2004	Intern
Emory University Department of Orthopedics	Residency	07/2004 - 06/2008	Resident
Emory University Department of Orthopedics-Oncology & Trauma	Fellowship (Clinical)	08/2008 - 07/2009	Fellow

**A. Personal Statement**

I am the Chief of Orthopaedic Surgical Oncology at Medical University of South Carolina. I specialize in the treatment of patients with bone and soft tissue sarcomas as well as metastatic bone disease such as triple negative breast cancers. I am one of two surgeons in the state that treat these conditions and as such have a large referral base. I have collaborated with Dr. Thaxton's research group for the past two years to investigate the role of immune modulation in metastatic bone disease. I have acted as a mentor to Dr. Thaxton over the course of her NCI K award to direct her basic science research toward development of clinically applicable immune-therapies. I attend weekly laboratory meetings and am an active participant regarding the development of clinical research. My clinical activity has made access to abundant rare malignant tissue possible for this investigation. My goal as a clinical mentor and consultant is to support Dr. Thaxton for the proposal planned for her Komen Career Catalyst grant proposal and to provide her access to surgical and medical oncology team members who are able to aid in the development and implementation of clinical trials of her work. I will work to ensure that the proposed investigation is both clinically relevant and translational. This work holds the great potential to lead to novel therapies that promote improved immune control of metastatic triple negative breast cancers.

**B. Positions and Honors****Positions and Employment**

	Institution	Role
2008 – 2009	Emory University, Department of Orthopaedic Surgery	Clinical Instructor
2009 – 2014	Medical University of South Carolina, Orthopaedics	Assistant Professor
2010 – Present	University of South Carolina, Department of Orthopaedic Surgery	Clinical Instructor
2014 - Present	The Medical University of South Carolina, College of Graduate Studies	Associate Member
2014 - Present	Medical University of South Carolina, Orthopaedics	Associate Professor

## **Honors and Awards**

2000	Community Health Award - One of two students selected out of medical school by the faculty as having provided the best care to assigned patient during first year of medical school
2003 - 2008	Residency Faculty Committee-selected by resident peers to represent class on the resident-faculty committee
2005	Bubba and Bwana Award (In honor of Drs George Cierney and Michael Miller); Presented by the outgoing chief residents to the PGY-2 resident who best endures the rigors of second year.
2006 - 2008	Resident Liaison to the American Academy of Orthopaedic Surgery; Selected as the resident representative for the Emory Orthopaedic Residency
2007	Leonard Marmor Award; Awarded to the PGY 4 resident for outstanding teaching and leadership
2007	AOA Resident Leadership Forum; Selected by the faculty of the Emory University Department of Orthopedics to represent the department at the AOA meeting and participate in resident leadership training
2007	Administrative Chief Resident; Selected as the administrative chief resident, by peer residents for the 2007-2008 academic year
2008	Resident Research Award - Best Basic Science Paper; Voted by Dr. Michael Simon as best resident research paper in the basic science category during the Emory University Department of Orthopaedics annual Kelly Day
2008 - Present	AOA Emerging Leaders Program; Selected to join the AOA Emerging Leaders Program which meets separately during the annual meeting of the AOA in the Emerging Leaders Forum to develop leadership skills and to discuss future challenges for orthopaedic surgeons
2011	John A. Siegling Teaching Award; Selected by the residents of MUSC Department of Orthopaedic Surgery as the best faculty teacher for 2010-2011
2012	Alpha Omega Alpha Medical Honor Society
2012	Teacher of the month nomination- MUSC College of Medicine
2012	John A. Siegling Teaching Award- Selected by the residents of MUSC Department of Orthopaedic Surgery as the best faculty educator-2012
2014 - 2015	American Academy of Orthopaedic Surgeons 2014 Leadership Fellows Program

## **C. Contribution to Science**

1. Risk of positive pressure reaming in impending pathologic fractures. Reaming of impending pathologic fractures may cause dangerous shifts in cardiopulmonary function. The article written is genesis for a multicenter randomized trial that will investigate the dangers of positive pressure reaming of impending pathologic fractures

*Rationale for reduced pressure reaming when stabilizing actual or impending pathological femoral fractures: a review of the literature.* Leddy LR. Injury. 2010 Nov;41 Suppl 2:S48-50 , PMID: 21144928

2. Unnecessary imaging prior to referral to orthopaedic oncologist. Often referring providers order expensive and unnecessary imaging prior to the referral for evaluation of a musculoskeletal lesion.

*What Is the Use of Imaging Before Referral to an Orthopaedic Oncologist? A Prospective, Multicenter Investigation* Clin Orthop Relat Res 2015 Mar;473(3):868-74., PMID: 24777726

3. The role of the sentinel node biopsy in select sarcoma patients. This work helped to better define the utility of sentinel node biopsy in certain patients diagnosed with sarcoma.

*The role of sentinel lymph node biopsy in select sarcoma patients: a meta-analysis.* Wright S, Armeson K, Hill EG, Streck C, Leddy L, Cole D, Esnaola N, Camp ER. Am J Surg. 2012 Oct;204(4):428-33, PMID: 22578407

**Complete List of Published Work in MyBibliography:**

<https://www.ncbi.nlm.nih.gov/sites/myncbi/1JGfTbxpbpu5x/bibliography/52571248/public/?sort=date&direction=ascending>

**D. Research Support**

**Ongoing Research Support**

**KCI**

**Leddy (PI)**

**11/2015 – 11/2018**

***Incisional negative pressure wound therapy for preoperatively irradiated lower extremity soft tissue sarcoma wounds. A prospective, randomized pilot trial.***

The goal of this project: To estimate the wound complication rate of post-operative negative pressure dressings and traditional dry dressings, and risk of secondary interventions after resection of soft tissue sarcoma in lower extremities and the pelvis that have received pre-operative radiation.

**Role: PI**