

Lumbar Spine

Imaging Modality: MRI

Application	Expert Mentor	Email	Location	Potential Opportunities		
				Collaborating	Post-doc	Sabbatical
Diffusion - weighted spine imaging	Paul Beattie	PBEATTIE@mailbox.sc.edu	University of South Carolina Columbia, SC	Yes	Yes	Yes
Paraspinal muscle morphology/size	George Beneck	gbeneck@csulb.edu	California State University, Long Beach Long Beach, CA	Yes	No	No
Muscle, bone, disc	Sam Ward	s1ward@ucsd.edu	University of California, San Diego La Jolla, CA	Yes	Yes	Yes

Imaging Modality: Ultrasound

Lumbar extensor size	Megan Sions	megsions@udel.edu	University of Delaware Newark, DE	Yes	Maybe	Maybe
Trunk muscle activation, i.e., thickness change	George Beneck	gbeneck@csulb.edu	California State University, Long Beach Long Beach, CA	Yes	No	No
	Megan Sions	megsions@udel.edu	University of Delaware Newark, DE	Yes	Maybe	Maybe
Lumbar multifidus activation using thickness change via B-mode US	Shane Koppenhaver	shanekoppenhaver@mac.com	Baylor University Waco, TX	Yes	No	No
Lumbar musculature (erector spine, lumbar multifidus) activation using stiffness change via shear-wave elastography						
Ultrasound-guided insertions: paraspinal muscles	George Beneck	gbeneck@csulb.edu	California State University, Long Beach Long Beach, CA	Yes	No	No
Multifidus activation, i.e., thickness change	Daniel P. Staats	staatsphysicaltherapy@yahoo.com	Staats Physical Therapy Brick, NJ	Yes	Maybe	Maybe
Muscle activation/thickness	Randy Lazicki	lazicki@campbell.edu	Campbell University Ft. Bragg, NC	Yes	No	No
Muscle	Sam Ward	s1ward@ucsd.edu	University of California, San Diego La Jolla, CA	Yes	Yes	Yes