Research Day Program

on October 5, 2018 from 8am-2pm
at The Carolina Club, Alumni Hall III
150 Stadium Dr., Chapel Hill, NC 27514

7:45am       Breakfast in Alumni Hall III

8:20am       Welcome Remarks by: 
              Dr. Richard Loeser, TARC Center Director 
              Dr. Beth Jonas, Division Chief, Rheumatology, Allergy and Immunology

Short Talks
Moderators: Lara Longobardi, PhD, Assistant Professor of Medicine, TARC 
            Leigh F. Callahan, PhD, Distinguished Professor of Medicine, Associate Director, TARC

8:30am       Troy Blackburn, Brian Pietrosimone, Darin Padua, Chris Johnston. Effects of vibratory stimuli on gait biomechanics and somatosensory function in individuals with anterior cruciate ligament reconstruction. (Poster #17, Session 1)

8:45am       Tabish Khan, Charles Park, and Peng Liu. NR4A1 contributes to autoimmune arthritis by regulating Treg and Th1/Th17 cells. (Poster #22, Session 2)

9:00am       Amanda E. Nelson, Yvonne M. Golightly, Rebecca J. Cleveland, W. Patrick Gale, Tessa Walker, Leigh F. Callahan, Joanne M. Jordan. The Johnston County Osteoarthritis Project and Johnston County Health Study: Opportunities for Collaboration.


9:30am-11:00am  Poster Presentation Session #1

1. Amanda E. Nelson; Matthew Fuller; Rebecca J. Cleveland; Todd A. Schwartz; Joanne M. Jordan; Leigh F. Callahan; J. S. Marron; Richard F. Loeser. A Machine Learning Approach to Knee OA Phenotyping: The Johnston County Osteoarthritis Project.

2. Alvarez C, Cleveland RJ, Schwartz TA, Renner JB, Murphy LB, Jordan JM, Callahan LF, Golightly YM, Nelson AE. Comorbid conditions and


11. Lauryn Braxton, Morika Williams, Stephanie Cone, Duncan X. Lascelles, Matthew B Fisher. *Comparing Pain and Severity Outcomes of Two Induced Models of Osteoarthritis in Young and Mature Rats.*


16. Natalia Favoreto, Leigh Callahan. **Successes and challenges of a community-based clinical trial in a rural NC county.**

17. Troy Blackburn, Brian Pietrosimone, Darin Padua, Chris Johnston. **Effects of vibratory stimuli on gait biomechanics and somatosensory function in individuals with anterior cruciate ligament reconstruction.**

18. Brian Pietrosimone, Matthew K. Seeley, Christopher Johnston Steven J. Pfeiffer, Jeffery T. Spang, J. Troy Blackburn. **Mechanical Loading During Gait following Anterior Cruciate Ligament Reconstruction: An Analysis of Symptomatic vs Asymptomatic Individuals.**

11:00am-12:00pm

**Keynote speaker, Daniel Hal Solomon, MD, MPH**
Professor, Harvard Medical School
Brigham and Women’s Hospital

Talk Title: “Cardiovascular Disease in Rheumatoid Arthritis: From “Bench” to Bedside”

Dr. Solomon is a Rheumatologist with clinical interests in arthritis, disease management strategies, osteoporosis, outcome analysis, rheumatic diseases, rheumatoid arthritis, systemic lupus erythematosus, and vasculitis. Dr. Solomon is a population scientist focusing on the epidemiology and health services of rheumatic disease. He serves as the Chief of the Section of Clinical Sciences in the Division of Rheumatology at BWH. His research work is primarily funded by the NIH, AHRQ, and foundations. He has served major roles at the American College of Rheumatology and within the osteoporosis community as well.

12:00pm-12:45pm

**Lunch in Dowd Harris Room**


26. Sandra Soto, Leigh F. Callahan, Stephanie Bahorski, Mary Altpeter, Ashley Phillips, Dana Carthron, Christine Rini. *Dyadic influences on spousal companionship support for physical activity given to and received by individuals with osteoarthritis.*


28. Choudhary S, Bresch D, Jerath M, Choudhary S, Commins SP. *Venom allergy is increased in alpha-gal allergy: shared environmental or immunologic factors?*


34. Yvonne M. Golightly. *Association of Knee Ligament and/or Meniscal Injury with Radiographic Knee Osteoarthritis in Military Officers.*
