

**ACR Convergence 2023**  
**UNC Thurston Arthritis Research Center**  
**Presentations & Abstracts**

[Link to full schedule of ACR 2023 Presentations](#)

**Sunday, November 12<sup>th</sup>**

<b>Oral Presentations</b>		
Session	Title	Presenter(s) & Moderator(s)
<b>State of the Art: Microbiome Niches in OA</b> <u>9:00am-9:20am</u>  <i>Exhibit Hall A-B</i>	Fecal and Plasma Microbiome Composition, Microbial Metabolomics, and Leaky Gut in Obesity-Associated OA	Presenter(s): <b>Liubov Arbeeva &amp; Matlock Jeffries</b>  Moderator(s): <b>Richard Loeser &amp; Michael Zuscik</b>
<b>Interventions to Increase Minority Participation in Lupus Clinical Trials</b> <u>12:00pm – 1:00pm</u>  <i>Room 23A-C</i>	1) Practical Programs to Engage Diverse Participants in Lupus Clinical Trials (12:00pm – 12:20pm)  2) The Impact of Diversification of the Biomedical Workforce (12:30pm-12:50pm)	Presenter(s): <b>Saira Sheikh &amp; Irene Blanco</b>  Moderator(s): Rosalind Ramsey-Goldman & Kimberly Trotter
<b>STATS BOOTCAMP I: Introduction to Longitudinal Data Analysis</b> <u>4:00am-5:00pm</u>  <i>Room 23A-C</i>	1) Overview of Longitudinal Data (4:00pm – 4:20pm)  2) Analysis of Longitudinal Data with Examples (4:30pm – 4:50pm)	Presenter(s): <b>Becki Cleveland &amp; Daniel White</b>  Moderator(s): <b>Carolina Alvarez &amp; Michael LaValley</b>

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<b>Abstracts: Health Services Research I</b> <u>5:00pm-5:10pm</u> <i>Room 11A-B</i>	Undererved by Rehabilitation: Characteristics Among Adults with Rheumatoid Arthritis	Presenter: <b>Chris Lane</b>  Author(s): <b>Chris Lane, Lauren Mihalek, Kelli Allen, Beth Jonas, Patti Katz and Louise Thoma</b>
<b>Poster Presentations</b>		
Session	Title	Presenter & Author(s)
<b>Osteoarthritis – Clinical Poster I</b> <u>9:00am-11:00am</u> <i>Poster Hall</i>	Heterogeneity and Natural History of Medial Fixed Joint Space Width in Healthy Knees Among Women and Men: Data from Three Large Cohort Studies	Presenter: Kent Kwoh  Authors: Kent Kwoh, Erin Ashbeck, Edward Bedrick, <b>Yvonne Golightly</b> , Zong-Ming Li, Jean liew, <b>Amanda Nelson</b> , Tuhina Neogi, Xiaoxiao Sun and Jeffrey Duryea
<b>Healthcare Disparities in Rheumatology Poster I: Lupus</b> <u>9:00am-11:00am</u> <i>Poster Hall</i>	Barriers and Facilitators to Recruiting Underrepresented Participants for Clinical Trials: Insights from the Lupus Clinical Investigators Network (LuCIN)	Presenter: <b>Tessa Englund</b>  Authors: <b>Tessa Englund</b> , Christine Lee, Julie Hsieh, RDML Richardae Araojo, <b>Julia Mariano</b> , <b>Emily McCormick</b> , Stacie Bell, Albert Roy, and <b>Saira Sheikh</b>
<b>Epidemiology &amp; Public Health – Interprofessional Poster</b> <u>9:00am-11:00am</u> <i>Poster Hall</i>	Diminished Vibration Perception and Greater Pressure Pain Sensitivity Are Associated with Worse Knee Osteoarthritis Outcomes Across Sex and Race	Presenter: <b>Chris Lane</b>  Authors: <b>Chris Lane, Louise Thoma, Carolina Alvarez, Deborah Givens, Amanda Nelson</b> , Adam Goode, Kharma Foucher and <b>Yvonne Golightly</b>

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	Recreational Activities in Adults with Rheumatoid Arthritis: Relevance, Difficulty, and Associations with Clinical Outcomes	Presenter: Sarah Novroski  Authors: Sarah Novroski, <b>Chris Lane</b> , Joshua Torrey, <b>Louise Thoma</b>
<b>ACR Image Competition</b> (Awards Session: 11:05am – 11:15am, Location: Exhibit Hall A-B)	Image Submitted By: <b>Prarthana Jain</b>	

### Monday, November 13<sup>th</sup>

Oral Presentations		
Session	Title	Presenter & Moderator(s)
<b>Non-pharmacologic Strategies for Pain Management in Adults with OA</b> <u>8:45am – 9:00am</u>  <i>Room 24A-C</i>	Exercise Interventions for Osteoarthritis Pain Management for Older Adults	Presenter(s): <b>Kelli Allen</b>
<b>STATS BOOTCAMP II: Statistical Time-to-Event Data Analysis for Clinical Researchers</b> <u>12:00-1:00pm</u>  <i>Room 24A-C</i>	1) Introduction to Time-to-Event Data and Basic Statistical Methods for Analyzing Them (12:00pm – 12:20pm) 2) Time-to-Event Data Analysis, Statistical Computing Considerations, and Interpretation of Results (12:30pm – 12:50pm)	Presenter(s): <b>Todd Schwartz &amp; Carolina Alvarez</b>  Moderator(s): <b>Becki Cleveland &amp; Michael LaValley</b>
<b>Health Disparities in Osteoarthritis: What Do the Data Tell Us and Considerations for Practice</b> <u>4:00pm – 4:20pm</u>  <i>Room 24A-C</i>	Disparities in Hip and Knee Osteoarthritis Prevalence and Outcomes	Presenter: <b>Leigh Callahan</b>
Poster Presentations		

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<b>Imaging of Rheumatic Diseases</b> <b>Poster I</b> <u>9:00am-11:00am</u>  <i>Poster Hall</i>	Cross-Sectional Associations of Ultrasound Features with Symptom Outcomes at the Knee: A Community-based Study	Presenter: <b>Katherine Yates</b>  Authors: <b>Katherine Yates, Carolina Alvarez, Todd Schwartz, Serena Savage-Guin, Jordan Renner, Catherine Bakewell, Minna Kohler, Janice Lin, Jonathan Samuels and Amanda Nelson</b>
<b>Health Services Research</b> <b>Poster II</b> <u>9:00am-11:00am</u>  <i>Poster Hall</i>	Use of Implementation Strategies to Promote Adherence of Knee Osteoarthritis Guidelines and Improve Patient Outcomes: A Systematic Review	Presenter: Michelle Ramirez  Authors: Michelle Ramirez, Rebecca Fillipo, Connor Drake, Lesley Skalla, <b>Kelli Allen, Amanda Nelson</b> and Maggie Horn
	Optimizing Rural Rheumatology Access: Collaborative Tele-Health Clinic Between University of North Carolina and Piedmont Health 1 Year Extension and Opportunities for Improvement	Presenter: <b>Prarthana Jain</b>  Authors: <b>Prarthana Jain, Eli Tiller, John Doughton, Rumey Ishizawar and Alfredo Rivadeneira</b>
<b>Patient Outcomes, Preferences, &amp; Attitudes Poster II</b> <u>9:00am-11:00am</u>  <i>Poster Hall</i>	The Role of Kinesiophobia on Ankylosing Spondylitis Disease Activity, Exercise Habits, and Quality of Life	Presenter: <b>Joel Thompson</b>  Authors: <b>Joel Thompson</b>
<b>Adult Thieves Market Poster II</b> <u>9:00am – 11:00am</u>  <i>Poster Hall</i>	A Pearly Rash (#TM47)  A Bad Hangnail (#TM30)	Presenter: <b>Katherine Yates</b>

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<b>SLE – Treatment Poster II</b> <u>9:00am – 11:00am</u>  <i>Poster Hall</i>	<p>Year-5 Follow-up of Belimumab Safety (mortality and Malignancies) in Patients with Systemic Lupus Erythematosus (SLE) Who Completed a Phase 4, 52-week, Randomized, Double-blind Placebo-controlled Safety Study</p>	<p>Presenter: <b>Saira Sheikh</b></p> <p>Authors: <b>Sheikh S</b>, Wei J, Tegzova D, Stohl W, Acayaba de Toledo R, Mucenig T, Abello Banfi M, Maksimowicz-McKinnon K, Abud-Mendoza C, Navarra S, García M, GARCÍA-DE LA TORRE I, Fernandes S, Harris J, Roy A, Olaiz J, Wilde P, Roth D.</p>
	<p>Cumulative Infections by Week 52 Among Patients with SLE: A Summary of Data from Placebo-Controlled Belimumab Studies</p>	<p>Presenter: <b>Saira Sheikh</b></p> <p>Authors: <b>Sheikh S</b>, Withrop K, Yazdany J, Navarra S, Atsumi T, Curtis P, Olaiz J, Henning C, Levy R, Stohl W, Wallace D</p>

**Tuesday, November 14<sup>th</sup>**

Oral Presentations		
Session	Title	Presenter(s) & Moderator(s)
<b>Mitigating Health Disparities Through Inclusion and Diversity in Clinical Trials</b> <u>7:30 AM – 8:30 AM</u>  <i>Room: 29A-D</i>	<p>1) Unique Aspects of Ethical Clinical Research in Rheumatology (7:30am – 7:45am)  2) Geriatric Rheumatology: An Under-Represented Group  3) Practical Models to Enhance/Promote Racial and Ethnic Inclusion in Lupus Clinical Trials (8:00am – 8:15am)</p>	<p>Presenter: Andreas Kerschbaumer, Jiha Lee, &amp; <b>Saira Sheikh</b></p> <p>Moderator(s): Candace Feldman</p>
<b>Phenotyping and Precision Medicine: The Interface of Research Methodology and Clinical Practice in NIAMS-funded Core Centers for Clinical Research</b> <u>8:30am – 10:00am</u>  <i>Room 24A-C</i>	<p>Phenotyping and Precision Medicine: The Interface of Research Methodology and Clinical Practice in NIAMS-funded Core Centers for Clinical Research</p>	<p>Presenter(s): Jamie Collins, Katherine Liao, <b>Amanda Nelson</b>, Tuhina Neogi</p> <p>Moderator(s): <b>Richard Loeser</b> &amp; Elena Losina</p>

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<p><b>STATS BOOTCAMP III: Longitudinal Latent Growth Modeling: An Overview with Applications in Rheumatology</b>  <u>12:00pm-12:20pm</u>  <i>Ballroom 20A</i></p>	<p>Latent Growth Modeling Framework, Reporting Guidelines, and Practical Details</p>	<p>Presenter(s): <b>Liubov Arbeeva</b></p>
<p><b>Adult Thieves Market: Show Me Your Best Cases!</b>  <u>2:00pm – 3:00pm</u>  <i>Room 6A-B</i></p>	<p>Adult Thieves Market: Show Me Your Best Cases!</p>	<p>Presenter(s): Catherine Deffendall, Rohan Goel, Amanda Moyer, Ruby Taparia    Moderator(s): <b>Rumey Ishizawar &amp; Curry Koenig</b></p>
<p><b>Ehlers Danlos Syndrome and Joint Hypermobility Syndrome: A Not-So Benign Disorder?</b>  <u>2:00pm – 3:00pm</u>  <i>Room 1A-B</i></p>	<p>1) Clinical Evaluation of Ehlers Danlos Syndrome and Joint Hypermobility Syndrome and the Role of Genetics (2:00pm – 2:15pm)  2) Autonomic Neuropathy and Dysautonomia in Ehlers Danlos Syndrome and Joint Hypermobility Syndrome (2:15pm – 2:30pm)  3) Chronic Pain Syndromes in Ehlers Danlos Syndrome and Joint Hypermobility Syndrome (2:30pm – 2:45pm)</p>	<p>Presenter(s): Jeff Milunsky, Khosro Farhad, Deeba Minhas    Moderator(s): <b>Nicole Orzechowski &amp; Stephanie Mathew</b></p>
<b>Poster Presentations</b>		
<p><b>Orthopedics, Low Back Pain, &amp; Rehabilitation Poster</b>  <u>9:00am – 11:00am</u>  <i>Poster Hall</i></p>	<p>Distribution and Validity of Proposed Disability Categories from the Short-Valued Life Activities Questionnaire</p>	<p>Presenter: <b>Louise Thoma</b>    Authors: <b>Louise Thoma, Kelli Allen, Beth Jonas, Patti Katz</b></p>

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<p><b>Osteoarthritis – Clinical Poster III</b>  <u>9:00am – 11:00am</u>  <i>Poster Hall</i></p>	<p>Shared Variation Among Cartilage Thickness Change Maps and Baseline Clinical Features at the Initiation of Structural Knee Osteoarthritis</p>	<p>Presenter: <b>Amanda Nelson</b>              Authors: Thomas Keefe, Marc Niethammer, Boqi Chen, Zhengyang Shen, Daniel Nissman, <b>Mary Catherine Minnig, Yvonne Golightly, J.S. Marron and Amanda Nelson</b></p>
<p><b>Measures &amp; Measurement of Healthcare Quality Poster II</b>  <u>9:00am – 11:00am</u>  <i>Poster Hall</i></p>	<p>Implementation of the Clinical Disease Activity Index to Optimize Treat-to-Target Management of Rheumatoid Arthritis at the University of North Carolina Hospitals Rheumatology Specialty Clinic</p>	<p>Presenter: <b>Rumey Ishizawar</b>              Authors: <b>Rumey Ishizawar, Thuyvan Phan, Steven Takacs</b></p>
<p><b>Professional Education Poster Session Type: Poster Session C</b>  <u>9:00am – 11:00am</u>  <i>Poster Hall</i></p>	<p>Training to Increase Minority Enrollment in Lupus Clinical Trials with Community Engagement (TIMELY): Assessing Behavioral Predictors of Clinical Trial Referrals Among Healthcare Providers</p>	<p>Presenter: <b>Saira Sheikh</b>              Authors: <b>Saira Sheikh, Tessa Englund, Andrew Simkus, Nicole Wanty, Annie McNeill, Kristen Holtz, Tenesha Hood, Starla Blanks, Maria Allen and Allen Anandarajah</b></p>
<p><b>SLE - Treatment Poster III</b>  <b>Session Type: Poster Session C</b>  <u>9:00am – 11:00am</u>  <i>Poster Hall</i></p>	<p>Efficacy of Belimumab in Patients with Systemic Lupus Erythematosus by Race and Ethnicity: A Large Post Hoc Integrated Analysis of Five Clinical Trials</p>	<p>Presenter: <b>Saira Sheikh</b>              Authors: <b>Saira Sheikh, Amit Saxena, Angela Carroll, Christine Henning, Julia HN Harris, Bernard Rubin, David D'Cruz and Alvin F Wells</b></p>

**Wednesday, November 15<sup>th</sup>**

Oral Presentations		
Session	Title	Presenter & Author(s)
<p><b>Abstracts: Muscle Biology, Myositis &amp; Myopathies – Basic &amp; Clinical Science II</b>  <u>9:15am – 10:45am</u></p>	<p>Frequency of Atherosclerotic Cardiovascular Disease Following a Diagnosis of Idiopathic Inflammatory</p>	<p>Presenter(s): Rohit Aggarwal, <b>Astia Allenzara, Emma Austenfeld, Kasper Yde Jensen,</b></p>

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<i>Room 23A-C</i>	Myopathy: Data from a Large National Registry (9:45am – 9:55am, <b>Allenzara</b> )	Alexander Oldroyd, & Jing Yi Wei  Authors: <b>Astia Allenzara, Carolina Alvarez, Amanda Nelson</b> and Galen Foulke
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