

# ACR Convergence 2022

## UNC at ACR Presentations & Abstracts

[Link to full schedule](#) of ACR 2022 Presentations

### Saturday, November 12<sup>th</sup>

Session	Title	Authors & Presenter
<p><b><i>STATS BOOTCAMP I: Tools to Analyze Performance of Screening and Diagnostic Tests</i></b></p> <p><u>11:00am-12:00pm</u></p> <p>Room 120</p>	<p>An Overview of the Research Objectives, Statistical Measures, and Sample Size Considerations When Assessing the Performance of Screening and Diagnostic Tests.</p>	<p>Presenter: <b>Carolina Alvarez</b></p> <p>Moderator: Becki Cleveland</p>
<p><b><i>Finding Solutions to the Rheumatology Workforce Shortage</i></b></p> <p><u>11:00am-12:00pm</u></p> <p>Room 113</p>	<p><i>This scientific session includes discussion amongst a panel of six Workforce Solutions Community Members.</i></p>	<p><i>Panelists:</i></p> <p>Daniel Battafarano Colleen Correll Beth Jonas Janet L. Poole Rosalind Ramsey-Goldman Sean Fahey</p>
<p><u>Community Hub</u></p> <p><b><i>Osteoarthritis: Consumer Engagement</i></b></p> <p><u>1:00-2:00pm</u></p> <p>Virtual Only</p>	<p><i>Hub Hosts:</i></p> <p>Anne-Marie Malfait David Hunter</p>	<p><i>Community Speakers:</i></p> <p>Leigh Callahan Jason Kim</p>
<p><b><i>Healthcare Disparities in Rheumatology Poster</i></b></p> <p><u>1:00-3:00pm</u></p> <p>Virtual Poster Hall</p>	<p>Sex and Race/ethnicity Differences in Knee Symptoms, Function, and Radiographic Features: Preliminary Descriptive Data from the Johnston County Health Study</p>	<p><b>Luis Palomino</b>, Carolina Alvarez, Todd Schwartz, Yvonne Golightly, and Amanda Nelson</p>
	<p>Twenty-five Years of Mortality Data in Those with Lower Extremity Osteoarthritis: The Role of Socioeconomic Status.</p>	<p><b>Cara Murphy</b>, Rebecca Cleveland, Amanda Nelson, Yvonne Golightly, and Leigh Callahan</p>

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Session	Title	Authors & Presenter
<p><b><i>Miscellaneous Rheumatic and Inflammatory Diseases Poster I</i></b></p> <p style="text-align: center;"><u>1:00-3:00pm</u> <i>Virtual Poster Hall</i></p>	<p>A Systemic Autoinflammatory Syndrome Caused by NEMO Exon 5 Skipping.</p>	<p><b>Bin Lin</b>, Adriana Almeida de Jesus, Eric Karlins, Dana Kahle, Sophia Park, Andre Rastegar, Jacob Mitchell, sofia Torregiani, Farzana Bhuyan, Sara Alehashemi, Kader Cetin Gedik, Kat Uss, Eric Hanson, Amer Khojah, Eveline Wu, Christiaan Scott, Timothy Ronan Leahy, Emma J. MacDermott, Orla G. Killeen, Chyi-Chia Richard Lee, Thaschawee Arkachaisri, Zoran Gucev, Kathryn Cook, Vafa Mammadova, Gulnara Nasrullayeva, Mariana Correia Marques, Abigail Bosk, Seza Ozen, Abigail Lang, Brian Nolan, Scott Canna, Maude Tusseau, Emilie Chopin, Guilaine Boursier, Danielle Fink, Douglas Kuhns, Clifton Dalgard, Alexandre Belot, Timothy Moran, Andrew Oler and Raphaela Goldbach-Mansky</p>
<p><b><i>Muscle Biology, Myositis and Myopathies Poster I</i></b></p> <p style="text-align: center;"><u>1:00-3:00pm</u> <i>Virtual Poster Hall</i></p>	<p>Obesity Is Associated with Higher Odds of Malignancy Development Among Dermatomyositis Patients.</p>	<p><b>Astia Allenzara</b>, Nakisa Sadeghi, Carolina Alvarez, Steve Maczuga, Matthew Helm, Amanda Nelson, and Galen Foulke</p>
<p><b><i>Osteoarthritis and Joint Biology – Basic Science Poster</i></b></p> <p style="text-align: center;"><u>1:00-3:00pm</u> <i>Virtual Poster Hall</i></p>	<p>Redoxosomes Mediate a Feed-forward Loop of Cartilage Matrix Destruction Through <math>\alpha 5\beta 1</math> Integrin Signaling in Response to a Fibronectin Matrikine.</p>	<p>Michael Miao, Peter Su, Yang Cui, John Collins, Edward Bahnsen, Susan Chubinskaya and <b>Richard Loeser</b></p>

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Ignite Session 2C – 2:00-2:55		
Details	Title of Talk	Authors & Presenter
<p style="text-align: center;"><b><i>Ignite Session 2C</i></b></p> <p style="text-align: center;"><i>Time of talk: <u>2:20-2:25pm</u></i></p> <p style="text-align: center;"><i>South Philly Stage</i></p>	<p>Radiographic Osteoarthritis Progression Can Be Predicted via Pyrosequencing Analysis of Baseline Peripheral Blood.</p>	<p><b>Christopher Dunn</b>, Cassandra Velasco, Leoni Schlupp, Emmaline Prinz, Vladislav Izda, Liubov Arbeeveva, Yvonne Golightly, Amanda Nelson, and Matlock Jeffries</p>
Session	Title	Authors & Presenter
<p style="text-align: center;"><b><i>Abstracts: Pediatric Rheumatology – Clinical I: Connective Tissue Disease</i></b></p> <p style="text-align: center;"><u>3:00-4:30pm</u></p> <p style="text-align: center;"><i>Room 126</i></p>	<p>Renal Response Outcomes of North American Youth with Proliferative Lupus Nephritis Treated with the EuroLupus versus NIH Cyclophosphamide Dosing Regimen.</p>	<p><b>Christine Wang</b>, Rebecca Sadun, Wenru Zhou, Kristen Miller, Claire Palmer, Stacy P Ardoin, Christine Bacha, Emily Hause, Joyce Hui-Yuen, Nicole Ling, Maria Pereira, Meredith Riebschleger, Kelly Rouster-Stevens, Aliese Sarkissian, Julia Shalen, William Soulsby, Marinka Twilt, Eveline Wu, Laura Lewandowski, Scott Wenderfer and Jennifer Cooper.</p>

# ACR Convergence 2022

## UNC at ACR Presentations & Abstracts

**Sunday, November 13<sup>th</sup>**

Session	Title	Authors & Presenter
<p style="text-align: center;"><b><i>Health Services Research Poster II</i></b></p> <p style="text-align: center;"><u>9:00-10:30am</u></p> <p style="text-align: center;"><i>Virtual Poster Hall</i></p>	<p>University of North Carolina and Piedmont Health Collaborative Tele-Rheumatology Project to Optimize Rural Health Specialty Access.</p>	<p><b>Leah Bettner</b>, Eli Tiller, John Doughton, Rumei Ishizawar and Alfredo Rivadeneira</p>
<p style="text-align: center;"><b><i>Reproductive Issues in Rheumatic Disorders Poster</i></b></p> <p style="text-align: center;"><u>9:00-10:30am</u></p> <p style="text-align: center;"><i>Virtual Poster Hall</i></p>	<p>Variability in Racial Disparities in Pregnancy Outcomes in Women with SLE by Diagnosis Algorithm.</p>	<p><b>Megan Clowse</b>, Jim Oates, Katie Kirchoff, April Barnado, Saira Sheikh, Leslie Crofford and Amanda Eudy</p>
<p style="text-align: center;"><b><i>Research Methodology Poster</i></b></p> <p style="text-align: center;"><u>9:00-10:30am</u></p> <p style="text-align: center;"><i>Virtual Poster Hall</i></p>	<p>Influence of Sociodemographic and Clinical Features on Ground Reaction Force Variability Among Individuals with Symptomatic Knee Osteoarthritis: A Novel Computational Approach</p>	<p><b>Yvonne Golightly</b>, Siqi Xiang, Elyse Borgert, Liubov Arbeevea, Richard Loeser, Stephen Messier, Amanda Nelson and J.S. Marron</p>
<p style="text-align: center;"><b><i>Vasculitis – ANCA-Associated Poster II: Treatment Efficacy, Clinical Outcomes, Biomarkers</i></b></p> <p style="text-align: center;"><u>9:00-10:30am</u></p> <p style="text-align: center;"><i>Virtual Poster Hall</i></p>	<p>Longitudinal Pattern of Circulating Complement Activation in ANCA Vasculitis.</p>	<p><b>Eveline Wu</b>, Elizabeth McInnis, Sarah Lewis, Mary Collie, Lauren Blazek, Kristin Kennedy, Yichun Hu, Susan Hogan, Candace Henderson, Caroline Poulton, Dhruvi Chen, Vimal Derebail, J Charles Jennette, Ronald Falk and Donna Bunch</p>
<p style="text-align: center;"><b><i>Plenary II</i></b></p> <p style="text-align: center;"><u>11:30am – 1:00pm</u></p> <p style="text-align: center;"><i>Exhibit Hall A</i></p>	<p>Peripheral Blood DNA Methylation-based Machine Learning Models for Prediction of Knee Osteoarthritis Progression: Biospecimens and Data from the Osteoarthritis Initiative and Johnston County Osteoarthritis Project</p>	<p>Chris Dunn, Cassandra Sturdy, Cassandra Velasco, Leoni Schlupp, Emmaline Prinz, Vladislav Izda, Liubov Arbeevea, Yvonne Golightly, Amanda Nelson and <b>Matlock Jeffries</b></p>

## ACR Convergence 2022 UNC at ACR Presentations & Abstracts

<p><b>STATS BOOTCAMP II: Statistical Modeling of Categorical Data</b></p> <p><u>12:00-1:00pm</u></p> <p>Room 120</p>	<p>Overview of Categorical Data.</p>	<p><b>Becki Cleveland</b></p>
	<p>Statistical Models for Categorical Data With Examples.</p>	<p><b>Todd Schwartz</b></p>
<p><b>Pediatric Rheumatology – Clinical Poster II: Connective Tissue Disease</b></p> <p><u>1:00-3:00pm</u></p> <p>Virtual Poster Hall</p>	<p>Clinical Characteristics and Outcomes of North American Youth with Lupus Nephritis Requiring Dialysis Treated with Cyclophosphamide</p>	<p><b>Christine Wang</b>, Rebecca Sadun, Wenru Zhou, Kristen Miller, Claire Palmer, Stacy P Ardoin, Christine Bacha, Emily Hause, Joyce Hui-Yuen, Nicole Ling, Maria Pereira, Meredith Riabschleger, Kelly Rouster-Stevens, Aliese Sarkissian, Julia Shalen, William Soulsby, Marinka Twilt, Eveline Wu, Laura Lewandowski, Scott Wenderfer and Jennifer Cooper</p>
<p><b>Ignite Session 5A - 1:00-1:55pm</b></p>		
<p>Details</p>	<p>Title of Talk</p>	<p>Authors &amp; <b>Presenter</b></p>
<p><b>Ignite Session 5A</b></p> <p><u>1:45-1:50pm</u></p> <p>Northern Liberties Stage</p>	<p>Redoxosomes Mediate a Feed-forward Loop of Cartilage Matrix Destruction Through <math>\alpha 5\beta 1</math> Integrin Signaling in Response to a Fibronectin Matrikine.</p>	<p>Michael Miao, Peter Su, Yang Cui, John Collins, Edward Bahnson, Susan Chubinskaya and <b>Richard Loeser</b></p>

# ACR Convergence 2022 UNC at ACR Presentations & Abstracts

Monday, November 14<sup>th</sup>

Session	Title	Authors & Presenter(s)
<p style="text-align: center;"><b>Plenary III</b></p> <p style="text-align: center;"><u>11:30am-1:00pm</u></p> <p style="text-align: center;"><i>Exhibit Hall A</i></p>	<p>Effectiveness of Intensive Diet and Exercise on Knee Pain Among Communities with Knee Osteoarthritis, Overweight, and Obesity: The WE-CAN Pragmatic Randomized Clinical Trial</p>	<p>Stephen <b>Messier</b>, Daniel Beavers, Kate Queen, Shannon Mihalko, Gary Miller, Elena Losina, Jeffrey Katz, Richard Loeser, Paul DeVita, David Hunter, Jovita Newman, Sara Quandt, Mary Lyles, Joanne Jordan, and Leigh Callahan</p>
<p style="text-align: center;"><b>STATS BOOTCAMP III: Interpret and Visualize Multi-dimensional Omics Data</b></p> <p style="text-align: center;"><u>12:00-1:00pm</u></p> <p style="text-align: center;"><i>Room 119</i></p>	<p>Transform Omics Data into Therapeutic Ideas: Research Questions, Advances and Challenges.</p>	<p><b>Onyinye Iweala</b></p>
	<p>Interpretation and Visualization of Omics Data Analyses.</p>	<p><b>Liubov Arbeevea</b></p>
<p style="text-align: center;"><u>Community Hub</u></p> <p style="text-align: center;"><b>Educator: Introduction: Tips for Training Program Leaders</b></p> <p style="text-align: center;"><u>1:00-1:10pm</u></p> <p style="text-align: center;"><i>Virtual Only</i></p>	<p><i>Hub Hosts:</i></p> <p>Adam Kilian Bethany Marston</p>	<p><i>Community Speakers:</i></p> <p>Beth Jonas Stacey Tarvin</p>

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Session	Title	Authors & Presenter(s)
<p><b><i>Epidemiology and Public Health Poster III</i></b></p> <p><u>1:00-3:00pm</u></p> <p><i>Virtual Poster Hall</i></p>	<p>Association of Cognitive Impairment and Symptomatic Lower Extremity Osteoarthritis by Level of Physical Activity: Preliminary Data from the Johnston County Health Study.</p>	<p><b>Kharma Foucher</b>, Amanda Nelson, Leigh Callahan, Yvonne Golightly</p>
	<p>Exploring How and Why Organizations Identify, Adopt, Disseminate, and Sustain Evidence-based Programs for Latinos with Arthritis.</p>	<p><b>Marvin Albert Meza Jarquin</b>, Leigh Callahan, Serena Weisner, Kirsten Ambrose, Sandra Soto</p>
	<p>Knee Pain Is Highly Associated with Ankle/Foot Pain, Arch Height, and Arch Flexibility: The Johnston County Osteoarthritis Project.</p>	<p><b>Yvonne Golightly</b>, Marian Hannan, Howard Hillstrom, Rajshree Hilstrom, Mary Catherine Minnig, Amanda Nelson</p>
<p><b><i>Osteoarthritis – Clinical Poster</i></b></p> <p><u>1:00-3:00pm</u></p> <p><i>Virtual Poster Hall</i></p>	<p>Multi-Joint Osteoarthritis Phenotypes by Race/Ethnicity and Sex: Preliminary Descriptive Data from the Johnston County Health Study.</p>	<p><b>Sherwin Novin</b>, Carolina Alvarez, Todd Schwartz, Yvonne Golightly, and Amanda Nelson</p>
	<p>Radiographic Osteoarthritis Progression Can Be Predicted via Pyrosequencing Analysis of Baseline Peripheral Blood.</p>	<p><b>Christopher Dunn</b>, Cassandra Velasco, Leoni Schlupp, Emmaline Prinz, Vladislav Izda, Liubov Arbeeva, Yvonne Golightly, Amanda Nelson, Matlock Jeffries</p>

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<p><b><i>Pediatric Rheumatology – Clinical Poster III: Other</i></b> <u>1:00-3:00pm</u></p> <p><i>Virtual Poster Hall</i></p>	<p>Assessing the Number of Children Evaluated for Recurrent Fevers During the COVID-19 Pandemic in North America.</p>	<p><b>Leanne Mansfield</b>, Sivia Lapidus, Matthew Hollander, Julie Cherian, Marinka Twilt, Maryam Piram, Lakshmi Moorthy, Brian Nolan, Geraldina Lionetti, Eveline Wu, Heather Tory, Elizabeth Kessler, Cassyenne Aguiar, Sirada Panupattanapong, Shoghik Akoghlanian, Felice Adler-Shohet, Melissa Oliver, Smriti Mohan, Patricia DeLaMora, Karen Durrant, Theresa Wampler Muskardin, Samira Nazzar, Mariana Correia Marques, Matthew Basiaga, Tiphonie vogel, Jamie Lai, Kathryn Edwards, Kathryn Garguilo, Sheila Nolan, Emily Sheboy Scarcello, Gabrielle Alonzi, Ann Szymanski, Joyce Hui-Yuen, karen onel, Fatma Dedeoglu, Maria Gutierrez, Grant Schulert and CARRA PFAPA/Autoinflammatory Working Group</p>
	<p>Clinical Characteristics and Outcomes of Pediatric ANCA-Associated Vasculitis Patients: Single-Center Inception Cohort</p>	<p><b>Hyun Ho Lee</b>, Lauren Blazek, and Eveline Wu</p>



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Ignite Session 8B – 2:00-2:55		
Details	Title of Talk	Authors & Presenter
<p style="text-align: center;"><b>Ignite session 8B</b></p> <p style="text-align: center;"><u>2:00-2:05pm</u></p> <p style="text-align: center;"><i>Center City Stage</i></p>	<p>A Systemic Autoinflammatory Syndrome Caused by NEMO Exon 5 Skipping</p>	<p><b>Bin Lin</b>, Adriana Almeida de Jesus, Eric Karlins, Dana Kahle, Sophia Park, Andre Rastegar, Jacob Mitchell, sofia Torregiani, Farzana Bhuyan, Sara Alehashemi, Kader Cetin Gedik, Kat Uss, Eric Hanson, Amer Khojah, Eveline Wu, Christiaan Scott, Timothy Ronan Leahy, Emma J. MacDermott, Orla G. Killeen, Chyi-Chia Richard Lee, Thaschawee Arkachaisri, Zoran Gucev, Kathryn Cook, Vafa Mammadova, Gulnara Nasrullayeva, Mariana Correia Marques, Abigail Bosk, Seza Ozen, Abigail Lang, Brian Nolan, Scott Canna, Maude Tusseau, Emilie Chopin, Guilaine Boursier, Danielle Fink, Douglas Kuhns, Clifton Dalgard, Alexandre Belot, Timothy Moran, Andrew Oler and Raphaela Goldbach-Mansky</p>
Session	Title	Authors & Presenter
<p><b>Abstracts: Patient Outcomes, Preferences, and Attitudes: Patient Priorities and Preferences: Interventions and Transformation</b></p> <p style="text-align: center;"><u>4:30-5:45pm</u></p> <p style="text-align: center;"><i>Room 114: Nutter Theatre</i></p>	<p>Feasibility and Efficacy of a Peer Education Program to Improve Patient Engagement in Lupus Clinical Trials.</p>	<p><b>Saira Sheikh</b>, Caroline Donovan, Carla Menezes, Albert T. Roy, Andrew Simkus, Diane Gross, Anca Askanase, Rosalind Ramsey-Goldman, Vikas Majithia, Nicole Wanty, Annie McNeill, Kristen Holtz, S. Sam Lim</p>