

2020 OSTEOARTHRITIS CLINICAL STUDIES CONFERENCE

DAY 1 AGENDA

DEC 8, TUESDAY (All Times EST)

Conference Chair: Tuhina Neogi, MD/PhD

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| Opens at 11:45 AM | Open Lobby and Presenter Soundcheck |
| 12:00 PM – 12:10 PM | Welcome Jason Kim, PhD (Arthritis Foundation) |
| 12:10 PM – 12:20 PM | Opening Remarks and Program Overview Conference Chair: Tuhina Neogi, MD/PhD (Boston University) |
| 12:20 PM – 12:25 PM | Moderator Introduction to Session 1: “Let’s Get Physical – Physical Activity and Exercise Therapy in OA” Leigh Callahan, PhD (UNC Chapel Hill) |
| 12:25 PM – 12:55 PM | Rising Star Speaks 1: “Improving Pain and Function with Daily Walking” Dan White, PT/ScD/MSc (University of Delaware) |
| 12:55 PM – 1:00 PM | Introduction to Video Poster Session Committee Chair: Brian Pietrosimone, PhD/ATC (UNC Chapel Hill) |
| 1:00 PM – 1:30 PM | Video Poster Session 1: Rehabilitation and Function Moderated by Alessio Bricca, PhD (University of Southern Denmark); Caroline Lisee, PhD, ATC (UNC Chapel Hill) <ul style="list-style-type: none"> • Naoaki Ito (University of Delaware) • Katherine Collins (Michigan State University) • Jade He (Rush University) • Jonas Gudmundsen Lund (Oslo Metropolitan University) • Don Anderson, PhD (University of Iowa) |
| 1:30 PM – 1:35 PM | Moderator Introduction to Session 2: “Let’s Get Physical – Physical Activity and Exercise Therapy in OA” Leigh Callahan (UNC Chapel Hill) |
| 1:35 PM – 2:05 PM | Rising Star and Super Star Speaks 2: “International Experience with the GLA:D Program” Soren Skou, PT/MSc/PhD and Ewa Roos, PT/PhD (University of Southern Denmark) |
| 2:10 PM – 2:40 PM | Video Poster Session 2: Imaging and Outcomes Moderated by Mingrui Yang, PhD (Cleveland Clinic); Alessio Bricca, PhD (University of Southern Denmark) <ul style="list-style-type: none"> • Steven Pfeiffer, PhD (Ohio University) • Dongxing Xie (Cleveland Clinic) • Hyunjae Jeon (UNC Charlotte) • Richard Lartey, PhD (Cleveland Clinic) |
| 2:40 PM - 2:45 PM | Day 1 Closing and Announcements |
| 2:45 PM+ | Open Networking Breakout Sessions |

DAY 2 AGENDA

DEC 9, WEDNESDAY (All Times EST)

“Corporate Scientists Speak on Disease Modifying Osteoarthritis Drugs”

Session Chairs: Lee Simon, MD and Nancy Lane, MD

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| Opens at 11:45 AM | Open Lobby and Presenter Soundcheck |
| 12:00 PM – 12:10 PM | Welcome Remarks and Program Overview Overall Chair: Martin Lotz, MD or David Felson, MD/MPH |
| 12:10 PM – 12:15 PM | Introduction of Discussion Topic and Panel Members Discussion Leaders: Lee Simon, MD (SDG, LLC) and Nancy Lane, MD (UC Davis) |
| 12:15 PM – 12:45 PM | Introduction of Discussion Topic and Panel Members Short data-focused presentation(s) |
| 12:45 PM – 1:45 PM | Open Discussion by Panel Members <ul style="list-style-type: none"> • Jeymi Tambiah, MD (Samumed) • Christoph Ladel, PhD (ex-Merck Group) • Benjamin Hsu, MD/PhD (Unity Biotechnology) • Matthias Schieker, MD/PhD (Novartis) • Henri Deckx, MD (Galapagos) |
| 1:45 PM – 2:00 PM | Concluding Comments to Session |
| Conference Chair: Tuhina Neogi, MD/PhD | |
| 2:00 PM – 2:05 PM | Opening Comments: Tuhina Neogi, MD/PhD (Boston University) |
| 2:05 PM - 2:10 PM | Moderator Introduction to Session 3: “What’s your type? Update on OA Phenotypes” Morten Karsdal, MSc/PhD/mMBA (Nordic Bioscience) |
| 2:10 PM – 2:30 PM | Rising Star Speaks 3: A Framework for Developing OA Phenotypes Erwin van Spil, MD (UMC Utrecht) |
| 2:35 PM – 3:10 PM | Video Poster Session 3: Cell Biology and Rheumatology Moderated by Emily Hunt, PhD,ATC; Caroline Lisee, PhD, ATC (UNC Chapel Hill) <ul style="list-style-type: none"> • Richard Loeser, MD (UNC Chapel Hill) • Michelle Greenfield (Cornell University) • Laura Keller (Cornell University) • Jacqueline Chevalier (Cornell University) • Dominik Haudenschild, PhD (UC Davis) |
| 3:10 PM – 3:20 PM | Moderator Introduction to Session 4: “What’s your type? Update on OA Phenotypes” Morten Karsdal, MSc/PhD/mMBA (Nordic Bioscience) |
| 3:20 PM – 3:50 PM | Rising Star Speaks 4: Soluble and Imaging Biomarkers in OA Jamie Collins, PhD (Brigham and Women’s Hospital) |
| 3:55 PM – 4:25 PM | Video Poster Session 4: Recent Advancements in Biologics Moderated by Emily Hunt, PhD,ATC; Caroline Lisee, PhD, ATC (UNC Chapel Hill) <ul style="list-style-type: none"> • James Martin, PhD (University of Iowa) • Jeymi Tambiah, MD (Samumed) • Jeymi Tambiah, MD (Samumed) |
| 4:25 PM – 4:30 PM | Day 2 Closing and Announcements |
| 4:30 PM+ | Open Networking Sessions |

DAY 3 AGENDA

DEC 10, THURSDAY (All Times EST)

“Learnings from the Largest Cohort Studies”

Session Chair: Kurt Spindler, MD

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| Opens at 11:45 AM | Open Lobby and Presenter Soundcheck |
| 12:00 PM – 12:10 PM | Welcome Remarks and Program Overview CEO Ann Palmer (Arthritis Foundation) |
| 12:10 PM – 12:15 PM | Introduction of Discussion Topic and Panel Members Discussion Leader: Kurt Spindler, MD (Cleveland Clinic) |
| 12:15 PM – 12:45 PM | Introduction of Discussion Topic and Panel Members Short data-focused presentation(s) |
| 12:45 PM – 1:45 PM | Open Discussion by Panel Members <ul style="list-style-type: none"> • Lynn Snyder-Mackler, PT/ATC/ScD/SCS/FAPTA (University of Delaware) • Rick Wright, MD (Vanderbilt University) • David Hunter, MBBS, MSc, PhD, FRACP (University of Sydney) • Neil Segal, MD/MS (University of Kansas) • Tuhina Neogi, MD/PhD (Boston University) • Timothy McAlindon, MD (Tufts University) |
| 1:45 PM – 2:00 PM | Concluding Comments to Session |
| Conference Chair: Tuhina Neogi, MD/PhD | |
| 2:00 PM – 2:05 PM | Opening Comments: Brian Pietrosimone, PhD/ATC (UNC Chapel Hill) |
| 2:05 PM – 2:10 PM | Moderator Introduction to Session 5: “Staging an intervention: evidence and long-term outcomes for APM and RFA” Stefan Lohmander, MD/PhD (Lund University) |
| 2:10 PM – 2:30 PM | Super Star Speaks 5: “Long-term outcomes from arthroscopic partial meniscectomies” Teppo Jarvinen, MD (University of Helsinki) |
| 2:35 PM – 3:10 PM | Moderated by Emily Hunt PhD, ATC (Brigham and Women's); Kevin Dibbern, PhD (University of Iowa) <ul style="list-style-type: none"> • Daniel Schaefer (Florida State University) • Scott Kelley, MD (Flexion Therapeutics) • Kristina Pond (University of Kentucky) • Jeymi Tambiah, MD (Samumed, LLC) |
| 3:10 PM – 3:20 PM | Moderator Introduction to Session 6: “Staging an intervention: evidence and long-term outcomes for APM and RFA” Stefan Lohmander, MD/PhD (Lund University) |
| 3:20 PM – 3:50 PM | Rising Star Speaks 6: “Radiofrequency Ablation” Felix Gonzalez, MD (Emory University) |
| 3:55 PM – 4:25 PM | Video Poster Session 6: Imaging Advancements Moderated by Kevin Dibbern, PhD (University of Iowa); Mingrui Yang, PhD (Cleveland Clinic) <ul style="list-style-type: none"> • Jean Liew, MD/MS (Boston University) • Neil Segal, MD/MS (Kansas University) • Neil Segal, MD/MS (Kansas University) • Don Anderson, PhD (University of Iowa) |
| 4:25 PM – 4:30 PM | Final Closing Comments Martin Lotz, MD or David Felson, MD/MPH |

VIDEO POSTER SESSIONS: VIEWING DETAILS

DEC 8 – 10 | Program Chair: Brian Pietrosimone, PhD/ATC (UNC Chapel Hill)

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| <p>Day 1 Session 1</p> <p>Rehabilitation and Function</p> | <ul style="list-style-type: none"> • Preoperative Asymmetry in Quadriceps Activity to Knee Flexion Moment Latency During Gait is Associated with Radiographic Osteoarthritis Six Years after ACL Reconstruction – Naoaki Ito – University of Delaware - https://vimeo.com/478097977 • Free-Living Cadence Characteristics are Associated with Knee-Related Symptoms in Adolescent Patients – Katherine A. Collins – Michigan State University - https://vimeo.com/478098097 • A longitudinal feasibility study on gait retraining using pressure-based auditory feedback to lower knee loads in medial knee OA – Jade He – Rush University - https://vimeo.com/478098212 • Association between perceived self-efficacy and physical activity level and physical fitness – Jonas Gudmundsen Lund – Oslo Metropolitan University - https://vimeo.com/478098319 • Custom Orthosis Prescription is Needed to Reliably Reduce Harmful Contact Stress after Intra-Articular Fracture – Donald D. Anderson – University of Iowa - https://vimeo.com/478098444 |
| <p>Day 1 Session 2</p> <p>Imaging and Outcomes</p> | <ul style="list-style-type: none"> • Associations Between Habitual Walking Speed and Ultrasonographic Measures of Femoral Cartilage in Individuals – Steven J. Pfeiffer – Ohio University - https://vimeo.com/478122319 • Baseline synovial fluid biomarkers could predict symptoms relief & novel magnetic resonance imaging measures in patients – Dongxing Xie – Cleveland Clinic - https://vimeo.com/478122368 • Quality analysis of femoral cartilage between individuals with and without patellofemoral pain – Hyunjae Jeon – UNC Charlotte - https://vimeo.com/478122393 • Inter-Vendor Inter-Site Variation of Cartilage T2 Quantification – Richard Lartey – Cleveland Clinic - https://vimeo.com/478122362 |
| <p>Day 2 Session 3</p> <p>Cell Biology and Rheumatology</p> | <ul style="list-style-type: none"> • Biomarkers of leaky gut, but not shifts in microbial community composition, are associated with obesity-related OA – Richard F. Loeser – UNC Chapel Hill - https://vimeo.com/478125012 • Nucleated Cell Count and Colony Forming Units Do Not Predict Mesenchymal Stromal Cell Count – Michelle R. Greenfield – Cornell University - https://vimeo.com/478125058 • Pro-inflammatory T Helper 17 and immunosuppressive Regulatory T cells are inversely homed to the joint in osteoarthritis – Laura E. Keller – Cornell University - https://vimeo.com/478125069 • Early failure of a polyvinyl alcohol hydrogel implant with inflammation, osteolysis, and sclerosis – Jacqueline Chevalier – Cornell University - https://vimeo.com/478125077 |
| <p>Day 2 Session 4</p> <p>Recent Advancements in Biologics</p> | <ul style="list-style-type: none"> • Studies in Support of Investigational New Drug Status for Amobarbital for the Prevention of Post-traumatic Osteoarthritis – James A. Martin – University of Iowa - https://vimeo.com/488123246 • Saline-based placebo and sham injections demonstrated equivalent improvements on knee osteoarthritis symptoms in a randomized controlled trial, suggesting a strong contextual response – Jeyanesh Tambiah – Samumed, LLC - https://vimeo.com/488124050 • Locrecivint injection for knee osteoarthritis appeared safe and well-tolerated: Pooled data from three randomized control trials – Sarah Kennedy – Samumed, LLC - https://vimeo.com/488128521 |

Day 3
Session 5

Orthopedic
Surgery

- **Donor Site Morbidity and Outcomes in Osteochondral Autograft Transfer System (OATS) Procedure** - Daniel Schaefer - Florida State University - <https://vimeo.com/488543098>
- **Concordant Pain Reporters and Unilateral OA Pain Patients Are Better Able to Discern Effect of Intra-articular TA-ER** - Scott Kelley - Flexion Therapeutics - <https://vimeo.com/488543199>
- **Identifying a Clinical Effect for Normal Saline in Knee Osteoarthritis Trials: A Systematic Review and Meta-Analysis** – Kristina M. Pond – University of Kentucky - <https://vimeo.com/478129385>
- **Lorecivint injection improved responder outcomes in subjects with knee osteoarthritis: A post hoc analysis from a randomized controlled trial** - Jeymi Tambiah - Samumed, LLC - <https://vimeo.com/488543280>

Day 3
Session 6

Imaging
Advancements

- **Intra-Articular Mineralization on Knee CT Increases Risk of Knee Pain: The Multicenter Osteoarthritis Study** – Jean W. Kiew – Boston University - <https://vimeo.com/478135018>
- **Clinical Value of Weight-Bearing CT and Radiographs for Detecting Patellofemoral Cartilage Damage Visualized by MRI** – Neil A. Segal – University of Kansas - <https://vimeo.com/478135028>
- **Sub-Regional Tibiofemoral 3D Joint Space Width (3D JSW) Measured on Weight-Bearing CT is Highly Responsive over 24-Months** – Neil A. Segal – University of Kansas - <https://vimeo.com/478135144>
- **Weight Bearing CT Detects Early Changes in 3D Joint Space Width after Tibial Pilon Fractures Consistent with Post-traumatic OA** – Donald D. Anderson – University of Iowa - <https://vimeo.com/478135176>