2020 OSTEOARTHRITIS CLINICAL STUDIES CONFERENCE

DAY 1 AGENDA

| DEC 8, TUESDAY (All Times EST) | | | |
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| Conference Chair: Tuhina Neogi, MD/PhD | | | |
| 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 12:55 PM – 1:00 PM | Rising Star Speaks 1: | | |
| | "Improving Pain and Function with Daily Walking" | | |
| | Dan White, PT/ScD/MSc (University of Delaware) Introduction to Video Poster Session | | |
| | Committee Chair: Brian Pietrosimone, PhD/ATC (UNC Chapel Hill) | | |
| | Video Poster Session 1: Rehabilitation and Function | | |
| | Moderated by Alessio Bricca, PhD (University of Southern Denmark); Caroline | | |
| | Lisee, PhD, ATC (UNC Chapel Hill) | | |
| | Naoaki Ito (University of Delaware) | | |
| 1:00 PM – 1:30 PM | Katherine Collins (Michigan State University) | | |
| | Jade He (Rush University) | | |
| | Jonas Gudmundsen Lund (Oslo Metropolitan University) | | |
| | Don Anderson, PhD (University of Iowa) | | |
| | Moderator Introduction to Session 2: | | |
| 1:30 PM – 1:35 PM | "Let's Get Physical – Physical Activity and Exercise Therapy in OA" | | |
| | Leigh Callahan (UNC Chapel Hill) | | |
| | Rising Star and Super Star Speaks 2: "International Experience with the GLA:D | | |
| 1:35 PM – 2:05 PM | Program" | | |
| | Soren Skou, PT/MSc/PhD and Ewa Roos, PT/PhD (University of Southern Denmark) | | |
| | Video Poster Session 2: Imaging and Outcomes | | |
| | Moderated by Mingrui Yang, PhD (Cleveland Clinic); Alessio Bricca, PhD | | |
| | (University of Southern Denmark) | | |
| 2:10 PM – 2:40 PM | 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

| **Corporate Sciencists Speak on Disease Maailying Osteanthritis Drugs" Session Chairs: Lee Simon, MD and Nancy Lane, MD Opens at 11:45 AM Open Lobby and Presenter Soundcheck Welcome Remarks and Program Overview Overall Chair: Martin Lotz, MD or David Felson, MD/MPH Introduction of Discussion Topic and Panel Members 12:10 PM - 12:15 PM Discussion Leaders: Lee Simon, MD (SDG, LLC) and Nancy Lane, MD (UC Davis) 12:15 PM - 12:45 PM Discussion topic and Panel Members Short data-facused presentation(s) Open Discussion by Panel Members 0 Jermi Tambiah, MD (Samumed) 12:45 PM - 1:45 PM Enrigmin Haw, MD/PhD (Unity Biotechnology) Enrigmin Haw, MD/PhD (Durity Biotechnology) Matheway MD (Salagaga) 12:45 PM - 2:00 PM Concluding Comments to Session Conterence Chair: Tuhina Neegi, MD/PhD (Novartis) Henri Deckx, MD (Galapaga) 2:00 PM - 2:05 PM Opening Comments: Tuhina Neegi, MD/PhD (Boston University) Moderator Introduction to Session 3: "What's your type? Update on OA Phenotypes" 2:10 PM - 2:30 PM Rising Star Speaks 3: A framework for Developing OA Phenotypes Erwin van Spil. MD (UMC Uttrecht) Video Poster Session 3: Cell Biology and Rheumatology Xideerated by Emily Hunt, PhD,ATC; Ca | DEC 9, WEDNESDAY (All Times EST) | | | | |
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| 4:25 PM – 4:30 PM Day 2 Closing and Announcements | | | | | |
| | <u>Δ·25 PM – Δ·30 PM</u> | | | | |
| | 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 | | | | |
| 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) | | | |
| | Open Discussion by Panel Members | | | |
| | Lynn Snyder-Mackler, PT/ATC/ScD/SCS/FAPTA (University of Delaware) | | | |
| 12:45 PM – 1:45 PM | Rick Wright, MD (Vanderbilt University) David Humber AARS, ASS, RhD, FRACE (University of Sydneyd) | | | |
| 12.45 F/V - 1.45 F/V | David Hunter, MBBS, MSc, PhD, FRACP (University of Sydney) Neil Segal, MD/MS (University of Kansas) | | | |
| | 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: Tul | | | | |
| 2:00 PM – 2:05 PM | Opening Comments: Brian Pietrosimone, PhD/ATC (UNC Chapel Hill) | | | |
| | Moderator Introduction to Session 5: | | | |
| 2:05 PM – 2:10 PM | "Staging an intervention: evidence and long-term outcomes for APM and RFA" | | | |
| | Stefan Lohmander, MD/PhD (Lund University) | | | |
| | Super Star Speaks 5: "Long-term outcomes from arthroscopic partial | | | |
| 2:10 PM – 2:30 PM | meniscectomies" | | | |
| | Teppo Jarvinen, MD (University of Helsinki) | | | |
| | Moderated by Emily Hunt PhD, ATC (Brigham and Women's); Kevin Dibbern, PhD | | | |
| | (University of Iowa) | | | |
| 2:35 PM – 3:10 PM | Daniel Schaefer (Florida State University) | | | |
| | Scott Kelley, MD (Flexion Therapeutics) Kristina Pond (University of Kentucky) | | | |
| | Jeymi Tambiah, MD (Samumed, LLC) | | | |
| | Moderator Introduction to Session 6: | | | |
| 3:10 PM – 3:20 PM | "Staging an intervention: evidence and long-term outcomes for APM and RFA" | | | |
| 0.2011 | Stefan Lohmander, MD/PhD (Lund University) | | | |
| | Rising Star Speaks 6: "Radiofrequency Ablation" | | | |
| 3:20 PM – 3:50 PM | Felix Gonzalez, MD (Emory University) | | | |
| | Video Poster Session 6: Imaging Advancements | | | |
| | Moderated by Kevin Dibbern, PhD (University of Iowa); Mingrui Yang, PhD | | | |
| | (Cleveland Clinic) | | | |
| 3:55 PM – 4:25 PM | 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 Prog | gram Chair: Brian Pietrosimone, PhD/ATC (UNC Chapel Hill) |
|-------------------|--|
| | 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 - <u>https://vimeo.com/478097977</u> |
| | • Free-Living Cadence Characteristics are Associated with Knee-Related Symptoms |
| | in Adolescent Patients – Katherine A. Collins – Michigan State University - |
| Day 1 | https://vimeo.com/478098097 |
| Session 1 | • A longitudinal feasibility study on gait retraining using pressure-based auditory |
| | feedback to lower knee loads in medial knee OA – Jade He – Rush University - |
| Rehabilitation | https://vimeo.com/478098212 |
| and Function | 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 |
| | Associations Between Habitual Walking Speed and Ultrasonographic Measures of |
| | Femoral Cartilage in Individuals – Steven J. Pfeiffer – Ohio University - |
| | https://vimeo.com/478122319 |
| Day 1 | • Baseline synovial fluid biomarkers could predict symptoms relief & novel magnetic |
| Session 2 | resonance imaging measures in patients – Dongxing Xie – Cleveland Clinic - |
| | https://vimeo.com/478122368 |
| Imaging and | Quality analysis of femoral cartilage between individuals with and without |
| Outcomes | patellofemoral pain – Hyunjae Jeon – UNC Charlotte - |
| | <u>https://vimeo.com/478122393</u> |
| | Inter-Vendor Inter-Site Variation of Cartilage T2 Quantification – Richard Lartey – |
| | Cleveland Clinic - <u>https://vimeo.com/478122362</u> |
| | Biomarkers of leaky gut, but not shifts in microbial community composition, are |
| | associated with obesity-related OA – Richard F. Loeser – UNC Chapel Hill - |
| | <u>https://vimeo.com/478125012</u> |
| Day 2 | Nucleated Cell Count and Colony Forming Units Do Not Predict Mesenchymal |
| Session 3 | Stromal Cell Count – Michelle R. Greenfield – Cornell University - |
| | <u>https://vimeo.com/478125058</u> |
| Cell Biology | Pro-inflammatory T Helper 17 and immunosuppressive Regulatory T cells are |
| and | inversely homed to the joint in osteoarthritis – Laura E. Keller – Cornell University - |
| Rheumatology | 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 |
| | Studies in Support of Investigational New Drug Status for Amobarbital for the |
| | Prevention of Post-traumatic Osteoarthritis – James A. Martin – University of Iowa - |
| Day 2 | <u>https://vimeo.com/488123246</u> |
| Session 4 | Saline-based placebo and sham injections demonstrated equivalent improvements |
| | on knee osteoarthritis symptoms in a randomized controlled trial, suggesting a |
| Recent | strong contextual response – Jeyanesh Tambiah – Samumed, LLC - |
| Advancements | <u>https://vimeo.com/488124050</u> |
| in Biologics | Lorecivivint injection for knee osteoarthritis appeared safe and well-tolerated: Pooled data from three randomized control trials. Sarah Konpody. Samumod U.C. |
| | Pooled data from three randomized control trials – Sarah Kennedy – Samumed, LLC |
| | - <u>https://vimeo.com/488128521</u> |

| | Donor Site Morbidity and Outcomes in Osteochondral Autograft Transfer System (OATS) Procedure - Daniel Schaefer - Florida State University - <u>https://vimeo.com/488543098</u> |
|-------------------------|--|
| Day 3 Session 5 | Concordant Pain Reporters and Unilateral OA Pain Patients Are Better Able to Discern Effect of Intra-articular TA-ER - Scott Kelley - Flexion Therapeutics - <u>https://vimeo.com/488543199</u> |
| Orthopedic Surgery | 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 |
| | Lorecivivint 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 |
| | Intra-Articular Mineralization on Knee CT Increases Risk of Knee Pain: The Multicenter Osteoarthritis Study – Jean W. Kiew – Boston University - https://vimeo.com/478135018 |
| Day 3 Session 6 | Clinical Value of Weight-Bearing CT and Radiographs for Detecting Patellofemoral Cartilage Damage Visualized by MRI – Neil A. Segal – University of Kansas - <u>https://vimeo.com/478135028</u> |
| | |
| Imaging Advancements | Sub-Regional Tibiofemoral 3D Joint Space Width (3D JSW) Measured on Weight- Beraing CT is Highly Responsive over 24-Months – Neil A. Segal – University of Kansas - <u>https://vimeo.com/478135144</u> |