Roy Aaron
Roy Aaron is a professor of orthopaedic surgery and professor of molecular pharmacology, physiology and biotechnology at Brown University Medical School. His expertise is in basic and clinical research, including pathophysiology of OA, total joint replacement outcomes research and experimental therapeutics.

Kelli Allen
Kelli Allen is a health services researcher and exercise physiologist at the University of North Carolina and Durham VA Medical Center. Kelli is attending this workshop as a representative of the United States Bone and Joint Initiative. She is a leading expert in the design and implementation of randomized OA clinical trials of behavioral and health services interventions. Kelli served as a volunteer contributor to the development of the Arthritis Foundation Scientific Strategy 2015-2020.

Kimberly Amrami
Kimberly Amrami is an expert in musculoskeletal radiology at Mayo Clinic. She is an expert in OA clinical, translational research and focused clinical practice. Kimberly worked on the Arthritis Foundation’s multicenter feasibility trial for assessment of cartilage after anterior cruciate ligament injury with MRI as the primary biomarker.

Gunnar Andersson
Gunnar Andersson is an orthopedic surgeon at Rush University Medical Center. He has a long interest in OA and degenerative disc disease. Gunnar volunteers at the Arthritis Foundation and is also a participant in several clinical trials.

Thomas Andriacchi
Thomas Andriacchi is a professor of mechanical engineering and functional restoration at Stanford University. He is an expert in analyzing human movement, musculoskeletal pathology and the initiation and progression of OA at the knee joint.

Nigel Arden
Nigel Arden is a professor in rheumatic diseases at the University of Oxford. Nigel is an international leader in epidemiology, predictive modelling and trial design. He has clinical and research expertise in OA and arthroplasty. Nigel is a volunteer member of the Arthritis Foundation accelerating OA clinical trials workgroup.

Shiva Ayyadurai
Shiva Ayyadurai is a systems scientist at CytoSolve Inc. Shiva is trained in both biological engineering and mechanical engineering over the past 30 years and has provided an integrative approach to the study of OA. Her research efforts at the molecular mechanistic level have focused on integrating mechanisms derived from clinical trials, in vitro and in vivo experiments toward developing a systems model of OA.

Ponda Barnes
Ponda Barnes is participating in this workshop as the representative for the Orthopaedic Research and Education Foundation (OREF). Ponda is the vice president for grants at OREF, which offers an annual funding opportunity with an OA research focus.

Francis Berenbaum
Francis Berenbaum is the director of the department of rheumatology at AP-HP Saint-Antoine Hospital in Paris, France. He is a former president (2011-2012) of the Osteoarthritis Research Society International (OARSI). Francis serves as the volunteer chair for the Arthritis Foundation accelerating OA clinical trials workgroup.

Samir Bhattacharyya
Samir Bhattacharyya is a director at DePuy Mitek, a Johnson & Johnson Company. Samir has expertise in the medical device, pharmaceutical and biotechnology industries. He has therapeutic experience in sports medicine.

Clifton O. Bingham
Clifton O. Bingham is the director of the Johns Hopkins Arthritis Center. He has expertise in identifying clinical and pathophysiologic disease phenotypes for inflammatory arthritis, including rheumatoid arthritis (RA), psoriatic arthritis (PsA) and osteoarthritis (OA). He is a member of the executive committee for the international Outcome Measures in Rheumatology Clinical Trials (OMERACT) group. Bingham has participated in and led a number of clinical trials in OA and RA. His research interests include defining clinical and biochemical phenotypes related to responses in RA and OA, clinical trial design and clinical and patient reported outcomes. He is a volunteer member of the Arthritis Foundation registry workgroup.
Francisco J. Blanco
Francisco J. Blanco is a rheumatologist at INIBIC-Hospital Universitario A Coruña. He has experience in the molecular mechanisms of cartilage degradation and repair, diagnostic and prognostic biomarkers and clinical research.

Lawrence Bonassar
Lawrence Bonassar is a professor at Cornell University. His research expertise includes cartilage mechanics and lubrication therapy. Lawrence has developed novel systems to study post-traumatic OA in vitro and in vivo.

Eric Brandner
Eric Brandner is an industry research scientist at Cook Regentec, where he’s helping lead development of a novel OA disease-modifying therapy. His expertise is in non-clinical testing of therapies for OA and cartilage.

Karen Brown
Karen Brown works in early clinical development at Roche. She is currently developing an agent for OA that is in phase 2.

Izi Bruker
Izi Bruker is a senior manager at Exponent Inc. His expertise is in cartilage tissue engineering, clinical trial design and synovial fluid and viscosupplement characterization.

Leigh Callahan
Leigh Callahan is a professor at the Thurston Arthritis Research Center, University of North Carolina. Leigh is an expert in epidemiology, outcomes research and OA behavioral intervention trials. She is also the director of the Osteoarthritis Action Alliance (OAAA). Leigh currently serves as the OAAA liaison to the Arthritis Foundation. She has served the Arthritis Foundation for many years in a variety of volunteer roles, such as the national board of trustees (1989-2006), national senior vice chair, chair of public health, chair of Carolinas chapter and other leadership positions.

Xu Cao
Xu Cao is a professor of orthopaedic surgery at Johns Hopkins University. His expertise includes pathological mechanism of OA in both animal models and human knee joints, inhibition of TGF-beta activity and prevented degeneration of articular cartilage.

John Cavanaugh
John Cavanaugh serves as the clinical supervisor at the Hospital for Special Surgery Sports Rehabilitation and Performance Center. His expertise is in physical therapy, sports medicine and rehabilitation.

Rowland Chang
Rowland Chang is senior associate dean for public health at Northwestern University Feinberg School of Medicine. His expertise includes rheumatology and the effects of physical activity and sedentary behavior on the outcomes of persons with knee OA. Rowland is an active volunteer for the Arthritis Foundation, holding current leadership positions as vice chair, board of directors, and scientific discovery advisory committee chair, as well as serving on the Greater Chicago leadership board. In the past, Rowland served as chair for the Greater Chicago chapter and the public health advisory committee at the Arthritis Foundation.

Qian Chen
Qian Chen is a professor at Brown University/Rhode Island Hospital. Qian brings expertise in cartilage molecular biology, aging and development, extracellular matrix, epigenetics and RNAi, OA, nanomedicine and gene therapy. He is an active volunteer at the Arthritis Foundation, serving as co-chair, 14th annual Arthritis Foundation Crystal Ball, a peer reviewer and study section chair. Qian has been the recipient of several Arthritis Foundation scientific awards.

Susan Chubinskaya
Susan Chubinskaya is a professor in biochemistry, internal medicine and orthopedic surgery at Rush University Medical Center. Susan is an expert in the mechanisms of cartilage degeneration and repair in aging and OA. She has identified growth factors for cartilage repair and the underlying mechanisms of their effect. Susan has characterized immediate cellular responses to acute human cartilage injury in the ex vivo PTOA model and identified potential therapeutic interventions.
Daniel Clegg
Daniel Clegg is the chief of the division of rheumatology at the University of Utah. He is an expert in inception, development, management and reporting of carefully controlled clinical trials in rheumatology, including OA, and outcome measures, including patient reported outcomes, imaging, biomarkers, etc. Daniel volunteered on the Arthritis Foundation medical and scientific committee.

Alexis Colvin
Alexis Colvin is an orthopaedic surgeon who treats patients with both pre-arthritis and arthritis conditions at Mount Sinai Hospital and the United States Tennis Association. She is an expert in preventing and treating OA, sports medicine and orthopedic surgery. Alexis was recognized as the Arthritis Foundation Women on the Move honoree in 2012. She served as a volunteer contributor to the development of the Arthritis Foundation Scientific Strategy 2015-2020.

David Covall
David Covall is an orthopedic surgeon at Arthritis and Total Joint Specialists. David is an expert in OA clinical management, non-surgical and joint replacement, and clinical trials. He is an Arthritis Foundation volunteer leader, including serving as a member of the scientific discovery advisory committee, chairing the Atlanta Walk to Cure Arthritis and other contributions.

Janet Crane
Janet Crane is a physician at Johns Hopkins University. Her expertise is in translational studies, TGF-beta and the role of subchondral bone in OA.

Jeffrey Curtis
Jeffrey Curtis is the director of the arthritis clinical intervention program of the University of Alabama at Birmingham. He leads the clinical trials unit for the rheumatology division with a particular focus on rheumatoid arthritis. Jeffrey is a volunteer member for the Arthritis Foundation registry workgroup.

Shadpour Demehri
Shadpour Demehri’s focus is on the role of novel advance CT and MRI imaging techniques in risk assessment and outcome prediction of patients at high risk for OA development and/or progression. In this regard, he has been collaborating with Xu Cao in the department of orthopaedic surgery and I-STAR laboratory at the school of engineering and medicine at Johns Hopkins University. In addition to his initial involvement in novel CT design, protocol optimization and image quality assessment, he is currently the principal investigator on the initial clinical trial for evaluation of the clinical feasibility of high resolution advanced CT and MR imaging protocols at Johns Hopkins orthopaedic clinic, where they image various peripheral joints, including knee, ankle and wrist.

Elaine Dennison
Elaine Dennison is an epidemiologist and rheumatologist at Medical Research Council Lifecourse Epidemiology with a special interest in musculoskeletal aging. Elaine is a volunteer member for the Arthritis Foundation accelerating OA clinical trials workgroup.

Prabhakar Deonikar
Prabhakar Deonikar is a senior biologist at CytoSolve Inc. His research efforts at the molecular mechanistic level have focused on integrating mechanisms derived from clinical trials, in vitro and in vivo experiments toward developing a systems model for chronic disease.

Dario Dieguez
Dario Dieguez is the scientific programs and communications manager and representative for the Foundation for Physical Therapy. His expertise is in research for optimizing physical functioning.

George Dodge
George Dodge is an associate professor of orthopaedic surgery at the University of Pennsylvania, and is also affiliated with the VA Medical Center. He directs a new Translation Musculoskeletal Research Center at the Philadelphia VA. His expertise includes biomarker development in the collagen area, development of a novel model of post-traumatic OA for drug screening, and clinical trial leadership for cartilage healing and OA prevention in equine subjects. George has volunteered for the Arthritis Foundation at the local and national levels, including serving as a research and advisory group member and a volunteer contributor to the development of the Arthritis Foundation Scientific Strategy 2015-2020.
Yaniv Dolev
Yaniv Dolev is the CEO of Moebius Medical, which is developing MM-II, a novel liposome-based bio-lubricant for long-term treatment of OA. Based on the clinical data from its completed clinical study, MM-II shows significant promise as the next generation intra-articular treatment for OA. MM-II’s success is due to its unique composition of liposomes, which act as “biological ball bearings.”

Mittie Doyle
Mittie Doyle is vice president of clinical research and development at Flexion Therapeutics. Mittie is a leader in designing OA, rheumatoid arthritis and psoriatic arthritis clinical trials spanning phases 1-3. Her expertise includes biomarkers as well as clinical and physician and patient reported outcome measures and endpoints. Mittie has additional experience in the design and execution of first in human clinical trials through successful BLA submissions. She continues to maintain a small clinic at the VA where she sees patients with OA.

Dorothy Dunlop
Dorothy Dunlop is a professor at Northwestern University. Her expertise is in preventive medicine, statistics, measurement and assessment of physical activity.

Benjamin Ellis
Benjamin Ellis practices rheumatology in London and is participating as a representative of Arthritis Research UK, where he serves as a senior clinical policy adviser. His expertise is public health approaches to improving musculoskeletal population health, such as promoting patient reported outcome measures and physical activity interventions for people with musculoskeletal conditions, including OA. Benjamin is a volunteer member for the Arthritis Foundation registry workgroup.

David Felson
David Felson is an OA clinical researcher at Boston University School of Medicine. He has expertise in large observational studies and trials of treatments in OA.

Anke Fierlinger
Anke Fierlinger is the global program medical director of skeletal diseases at Novartis and is involved in the development of compounds for the treatment of skeletal conditions. She is a board-certified orthopedic surgeon with more than 10 years in practice. After several years as a research fellow at Osteoporosis and Arthritis Research Group at UCSF, she continued her career by joining the industry. Anke has extensive experience in musculoskeletal imaging and orthopedic trial design.

Carl Flannery
Carl Flannery is the director of scientific affairs at Bioventus. His expertise includes cartilage and joint biology and the study of pathophysiological mechanisms associated with OA. Carl has extensive experience as an industry scientist, contributing to the development of potential therapies for OA and strategies/considerations affecting OA clinical trial design and implementation.

Patricia Franklin
Patricia Franklin is a professor at the University of Massachusetts Medical School. She has expertise in prospective cohorts and clinical trials to improve surgical outcomes, including following total joint replacement for OA and rheumatic conditions. Patricia is a volunteer member of the Arthritis Foundation registry workgroup.

Chris Gabel
Chris Gabel is a discovery researcher at Durable Therapeutics. He is particularly interested in the role of cytokines as mediators promoting cartilage degradation.

Anirban Gangopadhyay
Anirban Gangopadhyay is a founder of APYS. Anirban is an expert in the development of automated tools for creating and analyzing electronic medical records.

Aryya Gangopadhyay
Aryya Gangopadhyay is a professor and chair of information systems at the University of Maryland. Aryya is an expert in data mining and developing automated tools analyzing structured and unstructured health data.
John Garber
John Garber is the vice president for operations and imaging solutions, North America, at Image Analysis Ltd. He is an expert in MRI imaging methods for scoring OA and inflammation, and clinical trials management for advanced imaging.

Kenneth Getz
Kenneth Getz is a professor in drug development management science and policy at Tufts University School of Medicine. Kenneth is an internationally recognized expert on research and development, clinical trial management and patient recruitment.

Patricia Giordano
Patricia Giordano is a medical safety officer at the DePuy Synthes Global Orthopedics Division of Johnson & Johnson. She has expertise in pharmacovigilance and pain management.

Niti Goel
Niti Goel, a board certified rheumatologist, has 20 years of academic and pharmaceutical industry experience in clinical development and medical affairs. She has extensive expertise designing and conducting clinical trials and development programs across several rheumatologic diseases – from early to late phase and regulatory approvals. She provides subject matter expertise and strategic support to biopharmaceutical companies in the data driven design and development of clinical programs and medical affairs materials in immunologic and painful musculoskeletal indications, including osteoarthritis. She is a volunteer member of the Arthritis Foundation registry workgroup.

Mary B. Goldring
Mary B. Goldring is senior scientist and co-director of the tissue engineering regeneration and repair program in the research division of the Hospital for Special Surgery and professor of cell and developmental biology, Weill Cornell Medical College, New York, NY. Mary brings expertise in molecular regulation of matrix remodeling, cartilage biology and mechanisms of gene regulation. She has served in many volunteer leadership roles at the Arthritis Foundation, such as chairing the Arthritis Foundation molecular biology and genetics study section and mentoring Arthritis Foundation fellows and students. She received several years of support from Arthritis Foundation biomedical research grants.

Steven R. Goldring
Steven R. Goldring is chief scientific officer emeritus at the Hospital for Special Surgery and professor of medicine at Weill Cornell Medical College, New York, NY. He is an expert in the role of bone remodeling in OA. He has served in many volunteer leadership roles at the Arthritis Foundation, including chairing the Massachusetts chapter of the Arthritis Foundation and serving as the chair of the national Arthritis Foundation research committee. He is a past recipient of the James H. Fairclough Jr. and Marian Ropes Awards of the Massachusetts chapter of the Arthritis Foundation.

Nelia Gouveia
Nelia Gouveia is the coordinator of the clinical research unit of Nova Medical School of New University of Lisbon. Her expertise includes international clinical trials. She’s also the study coordinator of the Portuguese Cohort of Rheumatic Diseases, including OA. Nelia is a volunteer member for the Arthritis Foundation registry workgroup.

Timothy Griffin
Timothy Griffin is a scientist at the Oklahoma Medical Research Foundation. His expertise includes basic biology, OA-related obesity and physical activity, small animal models, cartilage metabolism and joint metabolic inflammation, biomechanics and inflammation. Timothy is an Arthritis Foundation volunteer, including leading a peer review section for the 2015 Delivering on Discovery Request for Proposals.

Christine Grundy
Christine Grundy is the associate director for regulatory affairs at Janssen Research & Development LLC. Her expertise is in regulatory affairs and neuroscience.

Farshid Guilak
Farshid Guilak is a professor of orthopaedic surgery and research director at Shriners Hospital in Saint Louis at Washington University. His expertise includes biomechanical factors in the onset and progression of OA, as well as the development of new tissue engineering and pharmacologic therapies for cartilage repair and OA. Farshid is an Arthritis Foundation volunteer, including serving as a member of the Arthritis Foundation 2014 research advisory committee.
Sangeeta Gupte
Sangeeta Gupte is a global regulatory lead director at AbbVie and previously managed regulatory affairs strategy at Abbott Labs and Takeda Pharmaceuticals. Sangeeta’s expertise includes the development of OA drugs.

Marc Hochberg
Marc Hochberg is a professor at the University of Maryland. He has expertise in the conduct of knee OA randomized clinical trials. Marc is a volunteer member of the Arthritis Foundation accelerating OA clinical trials workgroup.

Elizabeth Hsia
Elizabeth Hsia is a senior director at Janssen Research and Development. She is an expert in rheumatology.

James Hui
James Hui is a professor at the National University of Singapore. James is an expert in enhancement of cartilage repair using ex vivo expanded mesenchymal stem cells, muscle derived stem cells (MDSCS) for limb lengthening and intra-articular injection of hydrogel encapsulated mesenchymal stem cells or chondroitin sulfate in repair of cartilage defect.

Hutch Humphreys
Hutch Humphreys is the director of regulatory affairs at Samumed LLC. He is an expert in designing clinical trials from a regulatory strategy and compliance perspective, in various indications, including OA.

David Hunter
David Hunter is a professor at the University of Sydney. He is an expert in the application of imaging to better understand structure and function with application to both epidemiologic research and clinical trials for OA, novel therapies in disease management and health service system delivery of chronic disease management.

Anna Hyde
Anna Hyde is the senior director of health policy and federal affairs at the Arthritis Foundation. Her expertise includes advocacy for scientific discovery funding, prescription drug access, biomarker development, clinical trial recruitment and patient reported outcomes.

James Irgang
James Irgang is a professor at the University of Pittsburgh. His expertise is in measurement of patient reported outcomes for rehabilitation and exercise therapy in the treatment of knee OA.

Matlock Jeffries
Matlock Jeffries is a physician at the University of Oklahoma. He has expertise in OA epigenetics and is a founding member of an international OA epigenetics data repository.

Morgan Jones
Morgan Jones is an orthopedic surgeon at the Cleveland Clinic and is participating in this workshop as a representative of the American Orthopedic Society for Sports Medicine. He has expertise in management of OA patient treatment, post-traumatic OA and randomized controlled trials.

Joanne Jordan
Joanne Jordan is the school of medicine executive associate dean for faculty affairs and leadership development at the University of North Carolina. As a member of the American College of Rheumatology (ACR) executive committee, Joanne is participating in this workshop as an ACR representative. She has expertise in epidemiology, longitudinal studies, race and ethnic disparities. Joanne has provided volunteer leadership to the Arthritis Foundation in several roles, such as serving as the study section chair.

Christian Jorgensen
Christian Jorgensen is a professor at the University Hospital Montpellier in France at the Institute for Regenerative Medicine. His expertise includes stem cell research and OA clinical trials.

Rita Kandel
Rita Kandel is a clinician scientist at the Mount Sinai Hospital. She is an expert in pathology, soft tissue, bone, articular cartilage repair and intervertebral disc replacement.

Andrea Kane
Andrea Kane is a medical editor for the Arthritis Foundation’s Arthritis Today magazine. Her expertise includes medical journalism.
Morten Karsdal
Morten Karsdal is the CEO at Nordic Bioscience. His expertise includes the development of biochemical markers (CTX-I, CTX-II), regulatory approval of biomarkers and OA phenotypes.

Jeffrey Katz
Jeffrey Katz is a physician at the Brigham and Women’s Hospital. His expertise includes imaging, biomarker analyses and clinical trials.

Julie Keysor
Julie Keysor is associate professor at Boston University. Julie’s expertise includes arthritis clinical trials, exercise adherence and job accommodations. As an Arthritis Foundation volunteer, she has supported many activities, including serving as the community member chair for the North Carolina chapter and participating in the Boston Walk to Cure Arthritis.

Purvesh Khatri
Purvesh Khatri is an assistant professor at Stanford University. His expertise includes computational immunology, integrated multi-cohort analysis, genomics, molecular mechanisms, diagnosis and therapy.

Peter Kiely
Peter Kiely is a representative of the Health Products Regulatory Authority in Ireland and the European Medicines Agency. He is an expert in drug regulation, rheumatology and immunology.

Virginia Kraus
Virginia Kraus is a professor of medicine at Duke University. Her expertise includes OA research, biomarkers and rheumatology. As past president (2013-2015) of the Osteoarthritis Research Society International (OARSI), she is also participating in this workshop as a representative of OARSI. Virginia is an active volunteer at the Arthritis Foundation, serving in many leadership roles, including being a member of the national board, the accelerating OA clinical trials workgroup, the scientific discovery advisory committee, and the accelerating OA clinical trials workshop planning committee.

Tore Kvien
Tore Kvien is professor of rheumatology at the Diakonhjemmet Hospital in Oslo. He is an expert in hand and knee OA research. Tore is a volunteer member of the Arthritis Foundation accelerating OA clinical trials workgroup.

C. Kent Kwoh
C. Kent Kwoh is a professor of medicine and medical imaging at the University of Arizona College of Medicine, chief of the division of rheumatology and clinical immunology, and holds the Charles A.L. and Suzanne M. Stephens chair of rheumatology. His expertise includes outcome assessment and examination of risk factors for the development and progression of rheumatic and musculoskeletal diseases. He is a volunteer member of the Arthritis Foundation accelerating OA clinical trials workgroup.

Nancy Lane
Nancy Lane is an endowed professor of medicine, rheumatology and aging research at the University of California at Davis School of Medicine. She is an expert in the epidemiology of OA and clinical trials to determine the efficacy of novel agents for the treatment of knee and hip OA. Nancy is a volunteer member of the Arthritis Foundation accelerating OA clinical trials workgroup.

Daniel Larkins
Daniel Larkins is a global regulatory leader at AbbVie. He has expertise in executing regulatory filings for global clinical trial agreements.

Christian Lattermann
Christian Lattermann is an orthopedic surgeon at the University of Kentucky. His expertise includes clinical trial design and post-traumatic OA. Christian is a volunteer member of the Arthritis Foundation accelerating OA clinical trials workgroup.

Chris Leptak
Chris Leptak is a medical officer at the U.S. Food and Drug Administration. His expertise includes biomarker qualification and new drug evaluation and research.
Gayle Lester
Gayle Lester is a program director at the clinical OA and diagnostic imaging, division of musculoskeletal diseases, National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Institutes of Health. Her expertise is in government funded clinical trial oversight and other OA-related research. Gayle is an ad hoc member of the Arthritis Foundation accelerating OA clinical trials workgroup and the accelerating OA clinical trials workshop planning committee.

Marc Levesque
Marc Levesque is the medical director of immunology at Abbvie and leader for ABT-981 (anti-IL-1a and IL-1b DVD). His expertise is conducting clinical studies of erosive hand and knee OA.

Xiaojuan Li
Xiaojuan Li is a professor at the University of California, San Francisco. Her expertise is in quantitative imaging for OA.

Elena Losina
Elena Losina is the co-director, Orthopedics and Arthritis Center for Outcomes Research at Brigham and Women’s Hospital. Her expertise is in clinical trials methodology and implementation. Elena served as a volunteer contributor to the development of the Arthritis Foundation Scientific Strategy 2015-2020.

Martin Lotz
Martin Lotz is professor at the Scripps Research Institute. His expertise includes drug target discovery, preclinical drug testing, clinical trials design and biomarkers. Martin is an Arthritis Foundation volunteer, including leading a peer review section for the 2015 Delivering on Discovery Request for Proposals.

Stephen Lyman
Stephen Lyman is the director, Healthcare Research Institute, Hospital for Special Surgery. His expertise includes surgical outcomes research, patient reported outcomes and outcomes measurement.

C. Benjamin Ma
C. Benjamin Ma is the chief of the University of California, San Francisco Sports Medicine and Shoulder Service. He is also participating in this workshop as a representative of the American Orthopedic Society for Sports Medicine. His expertise includes multicenter trials for advanced imaging for cartilage degeneration after anterior cruciate ligament injuries.

Nizar Mahomed
Nizar Mahomed is the chief, orthopaedic division at the Toronto Western Hospital, University of Toronto. His expertise includes arthritis clinical trials.

Sharmila Majumdar
Sharmila Majumdar is a professor and the vice chair of research in the department of radiology and biomedical imaging at the University of California, San Francisco. She is an expert in quantitative imaging for arthritis. Sharmila implemented the Arthritis Foundation’s multicenter feasibility trial and is a volunteer member of the Arthritis Foundation accelerating OA clinical trials workgroup.

Deborah Marshall
Deborah Marshall is associate professor at the University of Calgary. Her expertise is in health economics, health services research, patient preferences and simulation modeling. She is a volunteer member of the Arthritis Foundation accelerating OA clinical trials workgroup and registry workgroup.

Janet Maynard
Janet Maynard is a medical officer at the U.S. Food and Drug Administration. Her expertise includes the regulatory aspects of drug approval for OA. She is a member of the Arthritis Foundation accelerating OA clinical trials workgroup.

Timothy McAlindon
Timothy McAlindon is the chief, division of rheumatology, and professor, Tufts University School of Medicine. His expertise includes epidemiology, clinical studies and rheumatic diseases with a focus on OA. He is an Arthritis Foundation volunteer, including serving as a member of the accelerating OA clinical trials workgroup and leading a peer review section for the 2015 Delivering on Discovery Request for Proposals.
Cindy McDaniel
Cindy McDaniel is the senior vice president of consumer health and impact at the Arthritis Foundation. Her expertise includes patient education, support and recruitment.

Jeroen Medema
Jeroen Medema is senior project leader of immunology development at AbbVie. Jeroen’s expertise includes design and execution of phase 1, 2 and 3 clinical trials in OA, lupus, neuropathic pain and vaccines.

Steve Messier
Steve Messier is professor and director of the J.B Snow Biomechanics Laboratory at Wake Forest University. His expertise includes clinical trial research; exercise, diet, gait and patient reported outcomes for people with knee OA. Steve is a volunteer member of the Arthritis Foundation accelerating OA clinical trials workgroup.

Sebastian Moreira
Sebastian Moreira is a director of clinical research at GlaxoSmithKline. He also held positions in clinical research and pharmacology at Pfizer and Roche. Sebastian’s expertise is the design of analgesic clinical trials in the symptomatic relief of mild to moderate OA pain for topical and systemic products reaching millions of consumers.

Norma Muurahainen
Norma Muurahainen is a clinical investigator at EMD Serono Research Institute. Her expertise includes directing a large phase 2 trial of a potential disease-modifying OA drug.

Tuhina Neogi
Tuhina Neogi is an associate professor at Boston University School of Medicine. Her expertise includes clinical trials, the epidemiology of OA, risk factors for OA and pain mechanisms in OA.

Amanda Niskar
Amanda Niskar is the national scientific director at the Arthritis Foundation. Amanda’s expertise includes epidemiology, health strategy and convening partner organizations for public-private partnerships to solve public health challenges.

Marcy O’Koon
Marcy O’Koon is the content strategy senior director and editor in chief for Arthritis Today magazine at the Arthritis Foundation. Her expertise is patient education and medical writing.

Kevin Ohashi
Kevin Ohashi conducts basic science at Massachusetts Institute of Technology. His expertise is in product development and clinical studies for cartilage regeneration and repair technologies.

Arman Oruc
Arman Oruc is the chief legal officer of Samumed LLC, where he oversees all legal, regulatory and quality functions. Arman was a partner and co-founder of the Washington, DC, office of Simpson Thacher & Bartlett LLP. He has represented clients from a wide range of industries, including numerous Fortune 500 companies, and has been recognized for his expertise by many trade publications, including Chambers and Who’s Who Legal.

Ann Palmer
Ann Palmer is the president and CEO of the Arthritis Foundation. Ann is an expert in leadership of voluntary health organizations. She is recognized as one of the 100 most influential leaders in the health care industry by the Atlanta Business Chronicle.

William Parrish
William Parrish is a principal scientist at DePuy Synthes Mitek Sports Medicine. He is an expert in elucidating and characterizing the interface between medical devices and the host tissues from a pain management, inflammation and wound healing perspective.

Parth Patwari
Parth Patwari is the founder of ProteoThera Inc. Parth brings expertise in targeted drug delivery to cartilage and drug development for OA patient subsets.

Suzette Peng
Suzette Peng is a medical officer at the U.S. Food and Drug Administration. Suzette is an expert in rheumatology. She is a member of the Arthritis Foundation accelerating OA clinical trials workgroup.
Anna Plaas
Anna Plaas is a professor of biochemistry at Rush University Medical Center. Her expertise includes the cell biology of articular cartilage matrix damage and regeneration, and identification of innate inflammatory pathways in pathogenesis of OA and its relationship to wound-healing responses.

Ronald Poropatich
Ronald Poropatich is the executive director, Center for Military Medicine Research at the University of Pittsburgh. His expertise includes telemedicine and Department of Defense funding mechanisms and collaborations. He is an active Arthritis Foundation volunteer, including serving as a member of the advocacy committee.

Marie Powers
Marie Powers is a news editor at BioWorld. Marie is an expert in reporting news regarding clinical trials, orthopedic surgery and other health specialties.

Sandie Preiss
Sandie Preiss is the national vice president for advocacy and access for the Arthritis Foundation. Her expertise includes patient advocacy and access issues at the state and national levels.

Muhammad Saquib Qureshi
Muhammad Saquib Qureshi is a dispensing pharmacist at Adamjee Pharmaceuticals (Pvt.) Ltd. in Pakistan. Muhammad is an expert in rheumatology research.

Jennifer Racine
Jennifer Racine is a project manager for clinical and translational research at University Orthopedics Inc. Her expertise includes outcomes research, experimental therapeutics, human research regulations and introduction of technologies to the clinic. She is a volunteer at the Arthritis Foundation, including serving on the Northeast public policy subcommittee and Rhode Island leadership council.

William Robinson
William Robinson is an associate professor of medicine at Stanford University. His expertise includes rheumatology, autoantibodies and translational science. Bill is a volunteer at the Arthritis Foundation, including serving as a member of the accelerating OA clinical trials workgroup and volunteering on the Northern California/Great West Region medical and scientific committee.

Frank Roemer
Frank Roemer is associate professor of radiology, University of Erlangen, Erlangen, Germany, and Boston University, Boston, MA. He is an expert in developing and validating MRI instruments of OA for epidemiologic studies and clinical trials.

Robert Sah
Robert Sah is a professor of bioengineering at the University of California, San Diego. He has expertise in OA research, biomechanics and mechanobiology of cartilage deterioration in aging.

Hee-Jeong Im Sampen
Hee-Jeong Im Sampen is a faculty member at Rush University Medical Center and affiliated with the Jesse Brown VA Medical Center. Hee-Jeong’s expertise is in joint pathology, OA-related pain, spine disc degeneration, cartilage degeneration and regeneration signaling pathways, cytokines and growth factors.

Steve Sampson
Steve Sampson is the founder and president of the Orthohealing Center. Steve is an expert in autologous cell therapy, including stem cells to facilitate healing and address the disease process of arthritis on a cellular level. He volunteers for the Arthritis Foundation in many roles, including briefing Congress on Capitol Hill regarding OA and contributing to the Walk to Cure Arthritis, for which he was named 2015 orthopedic honoree.

Linda Sandell
Linda Sandell is a professor and director, Center for Musculoskeletal Research at Washington University. Her expertise includes gene regulation of extracellular matrix proteins and its influence on the phenotype of cells for OA. Linda served as a volunteer member of the Arthritis Foundation 2015 research advisory committee.
John Sandy
John Sandy is a professor at Rush University Medical Center. His expertise is in extracellular matrix turnover in cartilage, and transcriptomic and epigenetic control of acute and chronic phases of the disease in animal models of OA. He has volunteered for the Arthritis Foundation Florida chapter.

Laura Santambrogio
Laura Santambrogio is professor of pathology, microbiology, immunology and orthopedic surgery at Albert Einstein College of Medicine. Her expertise includes mass spectrometric analysis of cartilage protein modification (glycation, carbonylation and lipoxidation).

Carla Scanzello
Carla Scanzello is assistant professor of medicine at the University of Pennsylvania and also affiliated with the CMC VA Medical Center. Her expertise includes synovial fluid and tissue histopathologic evaluation, utilization of murine post-traumatic OA models, and assessment of inflammation and innate immune system activation in early-stage knee OA and meniscal injury.

Erika Schneider
Erika Schneider conducts research at the Cleveland Clinic. She is an OA initiative technical advisor and has expertise in chemistry and radiology.

Thomas Schnitzer
Thomas Schnitzer is professor in physical medicine and rehabilitation and medicine-rheumatology at Northwestern University Feinberg School of Medicine. His expertise includes methodology, design, conduct and analysis of international OA clinical trials. Thomas is a volunteer member of the Arthritis Foundation accelerating OA clinical trials workgroup.

Leena Sharma
Leena Sharma is a professor at Northwestern University Feinberg School of Medicine. Her expertise includes knee OA epidemiology, disability progression, early OA and identification of targets for prevention and intervention strategies.

John Sims
John Sims is chairman at Durable Therapeutics. His expertise is research in IL-1 and other cytokines, and inflammatory and autoimmune diseases.

Daniel Solorio
Daniel Solorio is executive director of clinical development and medical affairs at Troko Pharmaceuticals LLC. His expertise includes OA clinical trials and medications to treat OA pain.

Richard Souza
Richard Souza is associate professor at the University of California, San Francisco. His expertise includes physical therapy, biomechanics, joint imaging and motion analysis. He is a volunteer member of the Arthritis Foundation accelerating OA clinical trials workgroup.

Brooks Story
Brooks Story is the associate clinical director at DePuy Mitek Sports Medicine. Brooks brings expertise in OA clinical trials.

Hui Sun
Hui Sun is associate professor at Albert Einstein College of Medicine. His expertise includes elucidating mechanisms underlying the pathogenesis of OA and developing novel therapeutics for OA treatment. As an Arthritis Foundation volunteer, he has served in many roles, including being named chair for the cell biology section and group leader for the 2015 Walk to Cure Arthritis in New York City.

Steven Svoboda
Steven Svoboda is an orthopedic surgeon at the Keller Army Hospital, West Point, NY, and director of the John A. Feagin Jr. West Point Orthopaedic Sports Medicine Fellowship. His expertise is in sports medicine, post-traumatic OA and ongoing prospective enrollment of military cadets for OA clinical studies. Steven is an Arthritis Foundation volunteer member in the accelerating OA clinical trials workgroup.

Andrea Swingle
Andrea Swingle is a regulatory scientist at Cook Regentec, responsible for planning OA clinical trials and providing regulatory and scientific guidance for research and development of new products, marketing and sales. She also served for nearly six years as consumer safety officer for the Food and Drug Administration.

Scott Tashman
Scott Tashman is associate professor at the University of Pittsburgh. His expertise is in post-traumatic OA and mechanical factors in OA multi-modality imaging.
**Johnna Temenoff**  
Johnna Temenoff is associate professor at Georgia Tech and her laboratory is also affiliated with Emory University. Her expertise includes biomaterials for drug delivery and/or stem cell differentiation for cartilage regeneration.

**Pamela Tenaerts**  
Pamela Tenaerts is the executive director at the Clinical Trials Transformation Initiative. Her expertise is in improving quality and efficiency of clinical trials.

**Katelin Tonner-Ingram**  
Katelin Tonner-Ingram is a senior associate at Janssen Research & Development LLC. Her expertise is global regulatory affairs.

**Rocky Tuan**  
Rocky Tuan is a professor and vice chair in the department of orthopaedic surgery, and a professor of bioengineering and mechanical engineering and material science at the University of Pittsburgh. His expertise includes research to develop technologies that will regenerate and/or restore function to diseased and damaged skeletal tissues. Rocky has served the Arthritis Foundation for many years in a variety of volunteer roles, such as chair to the accelerating OA clinical trials workshop planning committee and being a current member of the scientific discovery advisory committee.

**Richard Veselý**  
Richard Veselý is head of the rheumatology, immunology, respiratory and gastroenterology office at the European Medicines Agency. He is an expert in juvenile idiopathic arthritis and rheumatology.

**Julie Weeks**  
Julie Weeks is a lead health statistician at the Centers for Disease Control and Prevention, National Center for Health Statistics. Her expertise is in population-based research.

**Kerry Wentworth**  
Kerry Wentworth is senior vice president of regulatory affairs and quality at Flexion Therapeutics. As a senior life sciences executive, she’s an expert in biotechnology, pharmaceutical development with a focus on late phase clinical trial designs and the development of drug candidates for OA.

**James Witter**  
James Witter is the program director of the rheumatic diseases section, National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Institutes of Health. His expertise includes clinical trial design and monitoring. James has served on the Arthritis Foundation 2015 registry workshop planning committee.

**Yusuf Yazici**  
Yusuf Yazici is the chief medical officer at Samumed LLC. He continues to be a practicing rheumatologist and is an assistant professor at NYU, where he’s the director of Seligman Center for Advanced Therapeutics at the NYU Hospital for Joint Diseases. Yusuf is also the director of Behçet’s Syndrome Center, the largest center for Behçet’s disease in the U.S.

**Yelena Yesha**  
Yelena Yesha is a professor of computer science and engineering at the University of Maryland, Baltimore County. Her expertise includes multicore computing, big data analytics and intelligent Web applications. Yelena is an Arthritis Foundation volunteer, including being a member of the OA big data demonstration project, the registry workgroup and the accelerating OA clinical trials workgroup.

**Sarah Yim**  
Sarah Yim is the associate director of rheumatology, division of pulmonary, allergy and rheumatology products, U.S. Food and Drug Administration (FDA). Her expertise is in rheumatology and regulatory processes. Sarah is the FDA co-sponsorship coordinator for the accelerating OA clinical trials workshop, including serving as a member on the accelerating OA clinical trials workshop planning committee and the Arthritis Foundation accelerating OA clinical trials workgroup.

---

Our Special Thank You For The Support From

samumed