

# Osteoarthritis and Pain Symposium



**Friday, December 4** 9:00 am - 11:45 am

**Monday, December 7** 9:00 am - 11:45 am

Webex Conference

Course Director:  
Tuhina Neogi, MD, PhD, FRCPC

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# Osteoarthritis and Pain Symposium

Friday, December 4 | 9:00 am – 11:45 am | Webex Conference

## AGENDA

	Presenter	Time (EST)
Osteoarthritis: Pathophysiology	David Felson, MD, MPH	9:00–9:30
Osteoarthritis: Epidemiology	David Felson, MD, MPH	9:30–10:00
Understanding the influence of biomechanics on osteoarthritis	Deepak Kumar, PT, PhD	10:00–10:30
<b>Break</b>		10:30–10:45
Evidence-based management of knee osteoarthritis	Tuhina Neogi, MD, PhD	11:00–11:45

Monday, December 7 | 9:00 am – 11:45 am | Webex Conference

## AGENDA

	Presenter/Moderator	Time (EST)
Pain mechanisms in knee osteoarthritis	Tuhina Neogi, MD, PhD	9:00–9:30
Imaging findings of knee osteoarthritis & Implications for the anti-NGF program	Ali Guermazi, MD, PhD	9:30–10:00
Clinical evaluation of functional outcomes in knee osteoarthritis	Deepak Kumar, PT, PhD	10:00–10:30
<b>Break</b>		10:30–10:45
Patient Panel: Living with osteoarthritis	David Felson, MD, MPH	11:00–11:45

We encourage participants to log in 10 minutes ahead of the start of each session.

Participants will be muted upon entry. Each talk will include an opportunity for a Q&A period.

Participants are invited to post questions/comments in the chat for the presenters to address.



## Tuhina Neogi, MD, PhD, FRCPC

Dr. Neogi, Chief of Rheumatology, is internationally recognized for her expertise in the epidemiology and management of osteoarthritis and mechanisms of osteoarthritis-related pain. She serves on numerous scientific organizations and committees, and has received awards for her research. Additionally, Dr. Neogi has an active NIH-funded research program, mentors numerous trainees and junior faculty, and is involved in teaching students and trainees.



## David Felson, MD, MPH

Dr. Felson is a rheumatologist and clinical epidemiologist and directs the training program for the Boston University CTSI. His main contributions to science are in the areas of osteoarthritis and rheumatoid arthritis outcomes. He started the Framingham Osteoarthritis Study, which was the first modern day study to characterize the prevalence of disease and was the first to obtain MRIs on a community sample. His group was the first to show that obesity preceded knee OA and probably caused it and that weight loss could prevent disease. His recent work has been to document that structures in the joint outside of cartilage generate pain in those with disease, and that these structures may be good therapeutic targets.



## Ali Guermazi, MD, PhD

Dr. Guermazi is a Professor of Radiology and Chair of Radiology at the Boston VA Healthcare System. He is recognized internationally as an expert in musculoskeletal imaging, in particular for the assessment of osteoarthritis using MRI. His work has focused on identifying structural risk factors for developing and worsening osteoarthritis. Dr. Guermazi had been involved in developing several original and widely accepted radiological methods to assess osteoarthritis disease risk and progression, including the WOMBS and BLOKS for the knee, and fixed-flexion radiography for measuring joint space width. He is a leading radiologist on imaging risk mitigation in a-NGF programs.



## Deepak Kumar, PT, PhD, OCS

Dr. Kumar is an Assistant Professor of Physical Therapy. His research interests include the biomechanical mechanisms underlying the onset and progression of tissue damage in osteoarthritis, and using this knowledge to develop more effective and personalized treatment interventions that reduce disability and directly impact patient care.