



# **Versus Arthritis invites you to the 2nd Annual Pain Research in the UK Virtual Conference 2020**

*We are delighted to announce our keynote  
lecture will be delivered by*

**Professor Andrew Rice**  
Imperial College London

Hosted by

**PAIN CENTRE  
VERSUS  
ARTHRITIS**  
at the University of Nottingham

# PROGRAMME

**9:00 Registration opens**

**9.30 – 9:50 Introduction and Welcome**

Professor Victoria Chapman (University of Nottingham)

**10:00 – 10:30 Elevator Pitches No 1-6**

**10:30 – 11:30 Poster Presentations No 1-6 (2 sessions)**

**11:30 – 12:00 Elevator Pitches No 7-11**

**12.00 – 13:00 Poster Presentations No 7-12 (2 sessions)**

**13:00 – 13:30 Lunch Break**

**13:30 – 14:30 Plenary Lecture**

Professor Andrew Rice, Imperial College London

**Title - Lost in translation: why animal models of pain fail to predict clinical efficacy  
and what can we do to improve their efficiency**

**14:30 – 15:30 Workshops**

**15:30 – 16:00 Round up**

**16:00 – Online Drinks Reception**

## Elevator pitches

Elevator pitches provide a fast-paced introduction to the excellent research being undertaken across the UK. Each presenter will provide a 3 minute introduction to their work followed by 2 minutes for questions. This is a quick-fire session providing an opportunity for researchers to present their work and spark discussion.

No	Name	Organisation	Theme of Pitch
1	<b>Chantal Chenu</b>	Royal Veterinary College	New model of osteoarthritic pain
2	<b>David Andersson</b>	Kings College London	Pathophysiology of fibromyalgia
3	<b>Deborah Mason</b>	Cardiff University	Repurposing glutamate receptor antagonists to prevent pain, inflammation, and degeneration in post-traumatic osteoarthritis
4	<b>Fiona M Boissonade</b>	University of Sheffield	Human tissues in pain research
5	<b>Peter McNaughton</b>	Kings College London	TRPM2 as a target rheumatoid arthritis
6	<b>Prof Nidhi Sofat</b>	St Georges University of London	Developing robust biomarkers for arthritic pain
7	<b>Emma Clark</b>	University of Bristol	What is the prevalence and impact of osteoporotic vertebral fractures in older women with back pain? Vfrac: Population-based cohort study
8	<b>Ewan St John Smith</b>	University of Cambridge	Driving and Controlling Joint Pain
9	<b>John Wood FRS</b>	University College London	Gene Therapy of Chronic Pain
10	<b>Charlotte Hulme</b>	The Robert Jones & Agnes Hunt Orthopaedic & District Hospitals Trust	Biomarkers to predict the outcome of therapies to treat early osteoarthritis
11	<b>Federico Dajas-Bailador</b>	University of Nottingham	miRNAs and local axon translation can control the excitability of DRG neurons

## **Poster Presentations and Networking**

Posters will be available online to view with presenters of posters available in four sessions as follows.

1. 10.30 – 11.30pm 2 Poster sessions. Poster presenters and elevator pitch presenters available for questions No 1-6
2. 12.00 – 13.00pm 2 Poster Sessions. Poster presenters and elevator pitch presenters available for questions No 7-12

All elevator pitch presenters and poster presenters will be available online during the poster slots to discuss their work in more detail and delegates are encouraged to continue to network online during the lunch break.

<b>No</b>	<b>Name</b>	<b>Organisation</b>	<b>Poster Presentation</b>
1	<b>Andreea Radulescu</b>	Royal Veterinary College	Osteoporotic fracture pain
2	<b>Benjamin Allen</b>	Kings College London	Dysregulation of neuro-immune interactions in arthritis joint pain
3	<b>Larissa Pinto</b>	Kings College London	TRPM2 as a target in rheumatoid arthritis
4	<b>Nicholas Shenker</b>	Addenbrookes	Virtual Environment Rehabilitation for Patients with Motor Neglect Trial (VERMONT)
5	<b>Tarnjit Khera</b>	University of Bristol	Production and evaluation of an improved tool to screen older women with back pain for vertebral fractures – Vfrac
6	<b>Simon Jones</b>	University of Birmingham	Identification of distinct synovial fibroblast subsets associated with pain in knee osteoarthritis using single-cell RNA sequencing
7	<b>Asta Arendt Tranholm</b>	University of Nottingham	Changes to mRNA expression localised to axons in a model of hyperalgesia
8	<b>Karli Montague-Cardoso</b>	Kings College London	Manipulation of monocytes/macrophages for the control of arthritis pain using pro-resolving lipid mediators and blockade of CX3CR1 receptor
9	<b>George Sideris Lampretsas</b>	Kings College London	Microglia in persistent inflammatory pain in a mouse model of Alzheimer's disease.
10	<b>Pravallika Manjappa</b>	Royal Veterinary College	CFA model of OA pain and it's pharmacological validation
11	<b>Soraya Koushesh</b>	St Georges University of London	Development of a novel histological scoring system for bone marrow lesions - the osteoarthritis bone score
12	<b>Eve Corrie</b>	University of Sheffield	An in vitro model of chemotherapy-induced peripheral neuropathy

# PLENARY SPEAKER



**Andrew S.C. Rice MB BS MD FRCP FRCA FFPMRCA FFPMCAI**

Professor Rice is a clinical academic active in both clinical practice and translational research elucidating neuropathic pain. He is Professor of Pain Research at Imperial College London and Honorary Consultant in Pain Medicine at Chelsea and Westminster Hospital, London.

Andrew's research focuses on neuropathic pain and covers both laboratory and clinical research spanning animal models, through deep profiling of patients with a view to personalised medicine, to clinical trials and evidence synthesis by meta-analysis. The emphasis is on neuropathic pain in the context of infectious diseases (HIV, Herpes Zoster, HTLV-1 and leprosy), diabetic neuropathy and peripheral nerve trauma, especially in a military context. Having developed robust and detailed clinical phenotyping protocols, much of his current collaborative work focusses on the deep profiling and genotyping of large cohorts of neuropathic pain patients with a view to identifying risk factors for neuropathic pain and for informing stratification of clinical trials.

He is highly active in improving the rigour, external and internal validity of animal models. As part of the CAMARADES collaboration he is developing methods for systematic review and meta-analysis of pre-clinical data, including the use of text mining and machine learning approaches. He collaborates with medical and military historians to research the history of neuropathic pain, especially that arising from 20th century conflicts. His work has been funded by a wide range of bodies, including the European Commission and Wellcome Trust. He currently serves as a Councillor of IASP, with special responsibility as Scientific Chair of the 2020 World Congress on Pain, liaison to the SE Asia region and Chair of the Presidential Task force on Cannabinoid and Cannabis Analgesia. He has published around 200 peer reviewed papers and has a citation (H) index of 51.

## **Workshops 14:30 – 15:30**

The main aim of these workshop sessions is to allow smaller group discussions on specific topics and to share and learn from each other's experiences. Sessions will start with a brief introduction, after which general discussion is encouraged. We encourage delegates to interact by posting questions to the chair in advance during the morning and throughout the workshop to stimulate discussion.

The workshop options are:

### **Workshop 1 – Pain Models and Measurements of Pain**

What are the challenges and successes of quantifying pain responses in human and animal models, how do we overcome translational barriers?

**Chaired by Dr Shafaq Sikandar & Prof David Walsh**

### **Workshop 2 – Psychological Mechanisms of Pain and Brain Networks**

Can we achieve a step-change in knowledge of pain mechanisms by greater integration of the outcomes of psychological research and brain imaging?

**Chaired by Prof Dorothee Auer & Prof Tamar Pincus**

### **Workshop 3 – Biomarkers and Novel Targets for Treatment**

What biomarkers of pain are there, how can they be developed and validated? Can pain biomarkers aid the identification of novel targets for treatment?

**Chaired by Prof Victoria Chapman & Prof Andrew Rice**

### **Workshop 4 – Predicting Pain and Treatment Response**

What are the predictors of chronic pain and do they differ across different conditions? Can we predict response to targeted treatment?

**Chaired by Prof Weiya Zhang & Dr Gareth Jones**