

The background of the poster is a photograph of the Sheldonian Theatre in Oxford, a grand classical building with a prominent white tower topped by a green dome. The building is set against a clear blue sky with some light clouds. The text is overlaid on this image.

# **Symposium Bisphosphonates: Bones and Beyond**

**Sheldonian  
Theatre,  
Oxford, OX1  
3AZ.**

**27<sup>th</sup> & 28<sup>th</sup>  
September  
2022**

**Organising committee:**

**Prof. Graham Russell, Nuffield Department of  
Orthopaedics, University of Oxford**

**Prof. Richard Eastell, University of Sheffield**

**Harriet Teare, Programme Director, UK SPINE Knowledge  
Exchange at University of Oxford**

**Symposium**  
**Sheldonian Theatre, Oxford**

**Bisphosphonates: Bones and Beyond**

Date: Tuesday 27<sup>th</sup> and Wednesday 28<sup>th</sup> September 2022

Venue: Sheldonian Theatre, Oxford, OX1 3AZ.

**Programme:**

**Day 1: Setting the scene**

9.00

**Welcome and Introduction**

**Harriet Teare**, Programme Director, UK SPINE Knowledge Exchange at University of Oxford



**Setting the scene**

**Chairs for the morning:**

**Gordon Duff**, Former Pro-Vice Chancellor & Principal of St Hilda's College. Former Chair of MHRA



**Richard Eastell**, Professor of Bone Metabolism, Director of the Mellanby Centre for Musculoskeletal Research, University of Sheffield

[Professor Richard Eastell | Medical School | The University of Sheffield](#)

9.20

**Bisphosphonates: Setting the scene**

**Graham Russell**, Emeritus Professor of Musculoskeletal Pharmacology, Universities of Oxford and Sheffield

[Graham Russell — Nuffield Department of Orthopaedics, Rheumatology and Musculoskeletal Sciences \(ox.ac.uk\)](#)



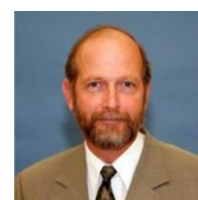
10.05

**Bisphosphonates: Clinical trials with zoledronate. A view from New Zealand.**

**Ian Reid**, Medical and Health Sciences, University of Auckland, New Zealand

[Ian R Reid](#)

[| University of Auckland | New Zealand \(omicsonline.org\)](#)



10.50

**Refreshments**

11.15

**Bisphosphonates: Clinical trials with zoledronate. A view from the United States**

**Ken Lyles**, Professor of Medicine, Senior Fellow in the Center for the Study of Aging and Human Development, Duke University of Medicine, USA

[Kenneth Ward Lyles | Duke Department of Medicine](#)



12.00

**Bisphosphonates in cancer.**

**Rob Coleman**, Emeritus Professor of Medical Oncology in the Department of Oncology and Metabolism at the University of Sheffield.

[Robert \(Rob\) Coleman | Medical School | The University of Sheffield](#)

12.45

**Lunch**

**Mechanisms**

**Chairs for the afternoon:**

**Graham Russell**, Emeritus Professor of Musculoskeletal Pharmacology, Universities of Oxford and Sheffield

**Gordon Duff**, Former Pro-Vice Chancellor & Principal of St Hilda's College. Former Chair of MHRA

13.30

**Mechanisms: Senolytics. Where are we now?**

**Jim Kirkland**, Endocrinologist, Mayo Clinic, Minnesota

[James L. Kirkland - Mayo Clinic Research](#)



14.15

**Mechanisms: Cellular, genomic, and proteomic studies.**

**James Edwards**, Principal Investigator, Oxford Skeletal Ageing and Regeneration group. Nuffield Department of Orthopaedics, Rheumatology and Musculoskeletal Sciences

[James Edwards — Nuffield Department of Orthopaedics, Rheumatology and](#)



[Musculoskeletal Sciences \(ox.ac.uk\)](#)

14.45

**Mechanisms: Understanding the senolytic and senomorphic effects of zoledronate treatment in an ageing mouse model.**

**Eleanor Platt**, Molecular Scientist, Medicine Discovery Catapult, Alderley Park, Cheshire

[Eleanor Platt - Medicines Discovery Catapult](#)



15.15

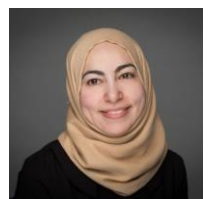
**Refreshments**

15.45

**Mechanisms: Autophagy, Acute phase response, gamma delta T cells, innate immunity.**

**Ghada Alsaleh**, Research Fellow, Kennedy Institute of Rheumatology, Nuffield Department of Orthopaedics, Rheumatology and Musculoskeletal Sciences

[Ghada Alsaleh — Nuffield Department of Orthopaedics, Rheumatology and Musculoskeletal Sciences \(ox.ac.uk\)](#)



16.15 **Followed by 45-minute discussion of the day.**

17.00 **Meeting close.**

18.00 **Tour and history of St Peter's College**

**Alison Ray** - [Dr Alison Ray | St Peter's College Oxford](#)

18.30 **Drinks at St Peter's College.**

[History | St Peter's College Oxford](#)

19.00 **Dinner at St Peter's College.**



## Day 2: How do we design studies to treat multiple long-term conditions (multimorbidities)?

**Chairs for the morning:**

**Chas Bountra**, Pro Vice Chancellor for Innovation, University of Oxford



**Rob Coleman**, Emeritus Professor of Medical Oncology in the Department of Oncology and Metabolism at the University of Sheffield.

9.00

**Bisphosphonates - mortality observational studies and end points for ageing trials.**

**Steve Cummings**, Professor Emeritus, Department of Medicine, UCSF [Steven R. Cummings - San Francisco Coordinating Center \(ucsf.edu\)](#)



9.45

**Trial designs and statistics.**

**Duncan Richards**, Climax Professor of Clinical Therapeutics, University of Oxford

[Duncan Richards — Nuffield Department of Orthopaedics, Rheumatology and Musculoskeletal Sciences \(ox.ac.uk\)](#)



**Jonathan Cook**, Associate Professor, expert in medical statistics, clinical trials and surgery research. Nuffield Department of Orthopaedics, University of Oxford [Jonathan Cook — Nuffield Department of Orthopaedics, Rheumatology and Musculoskeletal Sciences \(ox.ac.uk\)](#)

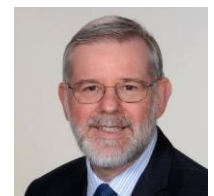


10.30

**Surrogate endpoints and safety of bisphosphonates in osteoporosis trials.**

**Richard Eastell**, Professor of Bone Metabolism, Director of the Mellanby Centre for Musculoskeletal Research, University of Sheffield

[Professor Richard Eastell | Medical School | The University of Sheffield](#)



11.10

**Refreshments**

11.30

**Special features of pharmacology of bisphosphonates.**

**Serge Cremers**, Associate Professor of Pathology & Cell Biology. Department of Pathology & Cell Biology, Columbia University, USA.

[Serge Cremers - Pathology \(columbia.edu\)](#)



12.00

**Orazol; A case study of regulatory interaction and potential future options.**

**John Fox**, Chief Executive Officer at TRANSCRIPTOGEN LTD

[\(20\) John Fox | LinkedIn](#)



12.45

**Lunch Chairs for the afternoon:**

**Richard Eastell**, Professor of Bone Metabolism, Director of the Mellanby Centre for Musculoskeletal Research, University of Sheffield

**Steve Cummings**, Professor Emeritus, Department of Medicine, UCSF

13.30 **Next steps.**

**Marian Schini**, Clinical Research Fellow, Department of Oncology and Metabolism, University of Sheffield

[Dr Marian Schini | Medical School | The University of Sheffield](#)



14.00

**An evaluation of potential benefits of bisphosphonates beyond traditional uses.**

**Daniel Prieto-Alhambra**, Professor of Pharmaco and Device Epidemiology, Nuffield Department of Orthopaedics

[Daniel Prieto-Alhambra — Nuffield Department of Orthopaedics, Rheumatology and Musculoskeletal Sciences \(ox.ac.uk\)](#)



14.30

**Sarcopenia: definitions, challenges and unmet medical opportunities.**

**Nick Harvey**, Professor of Rheumatology and Clinical Epidemiology, MRC Lifecourse Epidemiology Unit, University of Southampton

[Harvey, Nick – MRCLEC \(soton.ac.uk\)](#)



15.00

**Role of the NIHR.**

**Gary Ford**, Professor of Stroke Medicine at University of Oxford, Chair of AHSN network. University of Oxford

[Gary A Ford - Oxford Academic Health Science Network \(oxfordahsn.org\)](#)



15.20 **Refreshments**

15.45 **Round table discussion and conclusions.**

16.30 **Meeting close.**

18.30 **Social event for those staying in Oxford overnight (details to follow)**

**Organising committee:**

Prof. Graham Russell, Botnar Research Centre, University of Oxford

Prof. Richard Eastell, Mellanby Centre, University of Sheffield

Dr. Harriet Teare, Programme Director, UK SPINE Knowledge Exchange at University of Oxford



**Attendees:**

**Bob Fishleigh**, University of Oxford

[Bob Fishleigh Oxford University Innovation](#)



**Gayle Marshall**, Medicine Discovery Catapult

[Gayle Marshall at Medicines Discovery Catapult](#)



**Tatiane Vilaca**, University of Sheffield

**Jack Zhan**, University of Oxford

**Jinsen Lu**, University of Oxford

**UK SPINE operations:**

**Clare Denton**, UK SPINE, Knowledge Exchange coordinator

**Philippa Crane**, UK SPINE, Knowledge Exchange manager

**Karen Froud**, UK SPINE, Administrator

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**Notes:**



