

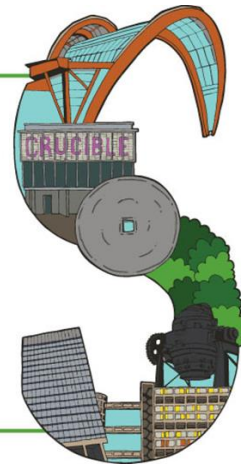
# Bone Research Society

Basic Course in  
Bone and  
Cartilage Biology

14 - 15 November

# 2024

| SHEFFIELD, UK



## ABOUT THE BONE RESEARCH SOCIETY

The Bone Research Society (BRS), formerly the Bone and Tooth Society, was founded in 1950. The BRS is one of the largest national scientific societies in Europe dedicated to clinical and basic research into mineralised tissues and is the oldest such society in the world. Meetings are held annually, attracting a wide audience from throughout the UK and beyond.

This two-day residential training course aims to increase the knowledge of attendees on the basics of bone biology and bone research. The course is suitable for PhD students, early career researchers and to new investigators within the field.

The specific aims and learning outcomes for the course are:

- To understand the basics of bone and joint biology – development and maintenance
- To understand the composition of bone and joint tissue and its response to external stimuli.
- To be familiar with the common bone and joint diseases, their pathophysiology, and their treatments.
- To acquire knowledge about rarer bone and joint conditions
- To become familiar with commonly used experimental systems for investigation bone and joint biology and disease.
- To promote networking amongst new researchers in the bone field

# COURSE PROGRAMME

## DAY ONE – Thursday 14 November 2024

<b>12:00</b>	REGISTRATION, LUNCH, MEET & GREET INOX Conference Suite, University of Sheffield, Sheffield S10 2TG
<b>12:55 – 13:00</b>	Welcome ( <i>Dr Lucie Bourne</i> )
<b>13:00 – 13:40</b>	Bone development and function <i>Speaker: Dr Ning Wang</i>
<b>13:40 – 14:20</b>	Osteogenesis: what is bone and how is it made? <i>Speaker: Dr Scott Dillon</i>
<b>14:20 – 15:00</b>	Osteoblast Biology and tissue mineralisation <i>Speaker: Professor Colin Farquharson</i>
<b>15:00 – 15:30</b>	BREAK
<b>15:30 – 16:10</b>	Osteocyte Biology and Bone Maintenance <i>Speaker: Dr Stefaan Verbruggen</i>
<b>16:50 – 17:30</b>	Osteoclast Biology and Bone Resorption <i>Speaker: Dr Isabel Orriss</i>
<b>17:30</b>	CLOSE OF DAY ONE
<b>19:00</b>	Networking and Dinner

# COURSE PROGRAMME

## DAY TWO – Friday 15 November 2024

<b>08:30 – 09:00</b>	TEA, COFFEE & PASTRIES
<b>09:00 – 09:40</b>	Mechanics of Bone <i>Speaker: Professor Enrico Dall'Ara</i>
<b>09:40 – 10:20</b>	Bone Mechanobiology and Adaptation <i>Speaker: Professor Tim Skerry</i>
<b>10:20 – 10:40</b>	BREAK
<b>10:40 – 11:20</b>	Stem cells for bone/cartilage cell differentiation <i>Speaker: Professor Agi Grigoriadis</i>
<b>11:20 – 12:00</b>	Cartilage and OA <i>Speaker: Dr Katherine Staines</i>
<b>12:00 – 13:00</b>	LUNCH
<b>13:00 – 13:40</b>	Common MSK diseases <i>Speaker: Professor Richard Eastell</i>
<b>13:40 – 14:20</b>	Rare MSK diseases <i>Speaker: Dr Meena Balasubramaniam</i>
<b>14.20 – 15:00</b>	Mouse models of bone and joint disease <i>Speaker: Professor Duncan Bassett</i>
<b>15:00 – 15:30</b>	BREAK
<b>15:30 – 16:10</b>	Cancer and Bone <i>Speaker: Dr Alanna Green</i>
<b>16:10 – 16:30</b>	Final Q&A and CLOSE OF MEETING