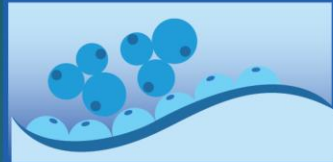


9th

International Meeting on
**BONE MARROW
ADIPOPOSITY**



BMA2026

10-11 September **2026**
Edinburgh, UK



Final Programme

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• Organisers

Tania Amorim
Souad Daamouch
Karla Suchacki

William Cawthorn
Beatriz Gámez
Natalia Zapata



• Partner

The International Bone
Marrow Adiposity Society



WELCOME ADDRESS

Dear colleagues and partners,

We are delighted to welcome you to the **9th International Meeting on Bone Marrow Adiposity (BMA2026)**, taking place in **Edinburgh, UK**, on **10–11 September 2026**.

BMA2026 brings together a global community to share the latest fundamental and clinical advances in bone marrow adiposity (BMA). Our programme spans the diverse clinical and scientific fields related to BMA, including endocrinology, rheumatology, orthopaedics, radiology, oncology, haematology, molecular and cellular biology, genetics, physiology and pharmacology. Our participants include clinicians and scientists from the UK, Europe, North America, and beyond.

We are the only international meeting dedicated to BMA. Recent advances include deep-learning-enabled population-scale BMA analysis, new preclinical models, and cutting-edge omics methods to elucidate BMAT formation and function. BMA2026 is designed to showcase these advances while fostering the collaborations that turn discovery into better diagnostics and therapies.

Our meeting features invited lectures, short talks selected from abstracts, and interactive poster sessions, alongside structured networking and career development opportunities, including prizes for early-career researchers. Edinburgh, a world-leading research and cultural hub with outstanding connectivity and heritage, provides a superb setting for meaningful engagement between academia, clinicians, and industry.

We look forward to seeing you in person or online at BMA2026!

William Cawthorn
(University of Edinburgh)
BMA2026 President,

**BMA2026 Organising
Committee:**

Tania Amorim
Souad Daamouch
Beatriz Gámez
Karla Suchacki
Natalia Zapata-Linares



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BMA2026 ORGANISING COMMITTEE



Dr Tania Amorim
(University of Pittsburgh)



Dr William Cawthorn
(BMA2026 President,
University of Edinburgh)



Dr Souad Daamouch
(University of Lausanne,
CHUV-UNIL)



Dr Beatriz Gámez
(University of Oxford)



Dr Karla Suchacki
(Scotland's Rural College)



Dr Natalia Zapata-Linares
(Paris-Saclay University)

BMAS SCIENTIFIC BOARD

The BMA2026 programme has been designed with input from the BMAS Scientific board (<https://bma-society.org/scientific-board/>):

Thomas Ambrosi
Aline Bozec
Gustavo Duque
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Ling Qin
Adriana Roque
Drenka Trivanović

Camille Attane
Abisheck Chandra
Jason Horton
Rossella Labella
Janane Rahbani
Michaela Tencerová

We are grateful to these colleagues for providing their wide-ranging scientific and clinical expertise in the many fields relevant to bone marrow adiposity.



Scientific Programme

Thursday 10th September 2026

08:30-09:00 **Registration and welcome**

09:00-09:10 **Welcome - Introduction**

William Cawthorn – BMA2026 President, University of Edinburgh, UK

09:10-11:00 **SESSION 1: Dietary and (micro)environmental regulation of BMA**

Chair: Dr Karla Suchacki, SRUC /University of Edinburgh

09:10-09:40 **Invited Lecture 1**

Adipogenic phenotype from the inside and outside, the impact of cell identity and diet

Alex Rauch, University of Southern Denmark, Odense, Denmark

09:40-10:10 **Invited Lecture 2**

Unlocking Teriparatide Therapeutic Resistance: The Role Of Bone Marrow Adipocyte Lipolysis

Elizabeth Rendina-Ruedy, Department of Nutritional Sciences, University of Oklahoma Health Campus, USA

10:10-10:25 **Selected talk 01**

The Hyaluronan-CD44 axis controls metabolic programming in bone marrow adipose tissue

Maren Döring, Institute for Translational Pharmacology, Medical Faculty and University Hospital Düsseldorf, Heinrich Heine University Düsseldorf, Germany

10:25-10:40 **Selected talk 02**

Expansion of bone marrow adipose tissue with caloric restriction reflects increased storage of energy from multiple sources and reduced turnover

Isabel Hermsmeyer, University of Michigan, Ann Arbor, MI, USA

10:40-10:55 **Selected talk 03**

DEPTOR deficiency protects against caloric restriction-induced bone marrow adiposity, bone loss and vascular impairment

Fabiana Csukasi, University of Malaga, Spain

10:55-11:00 **Sponsored talk – Southern Scientific**

Jake Brocklehurst, Southern Scientific, UK

11:00-11:30 **Break for coffee, tea and refreshments**



Scientific Programme

Thursday 10th September 2026

11:30-13:30	SESSION 2: BMAT and malignancies <i>Chair: Dr Beatriz Gámez, University of Oxford</i>
11:30-12:00	Invited Lecture 3 Adipocyte–AML metabolic crosstalk activates PI3K/AKT signalling to drive resistance to FLT3 inhibition Paolo Gallipoli , Barts Cancer Institute, Queen Mary University of London, UK
12:00-12:30	Invited Lecture 4 BMAT and multiple myeloma Michaela Reagan , MaineHealth Institute for Research, Scarborough, ME, USA
12:30-12:45	Selected talk 04 Increased adipokine resistin in the myeloma-bone niche in vivo: a novel link between ageing, obesity and myeloma progression Danielle Whipp , Nuffield Department of Surgical Sciences, University of Oxford, Oxford, UK
12:45-13:00	Selected talk 05 Bone marrow adipose tissue is enriched in myeloma cells Zoltan Kellermayer , Department of Immunology and Biotechnology, University of Pécs, Hungary
13:00-13:15	Selected talk 06 Bone marrow adipocytes promote stress adaptation and tumor persistence in metastatic prostate cancer through lipid-iron dynamics Izabela Podgorski , Wayne State University School of Medicine, Detroit, MI, USA
13:15-13:30	Poster pitches (Posters 1-11)
13:30-14:30	Lunch Break and poster viewing



Scientific Programme

Thursday 10th September 2026

14:30-16:25	SESSION 3: Interactions between BMAT, bone and metabolism <i>Chair: Dr Souad Daamouch, University of Lausanne, CHUV-UNIL</i>
14:30-15:00	Invited Lecture 5 (virtual) Novel mechanisms of lipolysis in BMAT Erica Scheller , Washington University, St Louis, USA
15:00-15:30	Invited Lecture 6 Defining the role of adipose tissue in osteoarthritis Kelsey Collins , Department of Orthopaedic Surgery and Department of Anatomy, University of California San Francisco, San Francisco, CA, USA
15:30-15:45	Selected talk 07 (virtual) - Best Abstract Prize Winner Adaptive cBMAd lipolysis provides transient protection to local bone under neurosystemic stress Sreejith Panicker , Washington University in St. Louis, St. Louis, MO, USA
15:45-16:00	Selected talk 08 Anatomical Context Shapes Mesenchymal Stromal Cell Function in the Human Femur Charles Bataclan , University of Lausanne / EPFL, Lausanne, Switzerland
16:00-16:15	Selected talk 09 Regulation of bone marrow adipocytes in an experimental model of colitis-induced bone loss Eman Hagag , Department of Medicine III and Center for Healthy Aging, Technische Universität Dresden, Dresden, Germany.
16:15-16:25	Selected talk 10 (virtual) FlpO-Dependent Resistin-Cre Mice: A Second-Generation Model for Bone Marrow Adipocyte-Specific Cre Recombination Hadla Hariri , Faculty of Dental Medicine and Oral Health Sciences, McGill University, Montreal, Québec, Canada.
16:25-16:50	Coffee break & Posters



Scientific Programme

Thursday 10th September 2026

16:50-17:15 **BMAS General Assembly**

Bram van der Eerden (BMAS President), Erasmus MC, Rotterdam, Netherlands

17:20-18:20 **Trainee Session - Round-table networking and skills development**

Basic science table: Michaela Reagan and Ormond MacDougald

Clinical/translational table: William Cawthorn and Morten Frost

19:00-21:15 **Gala Dinner at the Playfair Library**

19:00-19:20 Drinks reception

19:20-21:15 Dinner

21:15-21:30 Short walk to ceilidh (Scottish Dancing)

21:30-23:30 **Ceilidh at The Counting House with the Annasach Ceilidh band**

Cash bar available





Scientific Programme

Friday 11th September 2026

09:00-10:45	SESSION 4: New methods and models for BMA analysis <i>Chair: Dr William Cawthorn, University of Edinburgh</i>
09:00-09:30	Invited Lecture 8 Body composition analyses in UK Biobank Louise Thomas , <i>University of Westminster, London, UK</i>
09:30-10:00	Invited Lecture 9 Mouse models for studying BMA – Past, Present and Future Ormond MacDougald , <i>Department of Molecular & Integrative Physiology, University of Michigan, Ann Arbor, MI, USA</i>
10:00-10:15	Selected talk 11 Spatial Transcriptome Mapping of Bone Marrow Adipogenic Progenitors by RNA-tomography Marina Leer , <i>German Institute of Human Nutrition Potsdam-Rehbruecke, Department of Adipocyte Development and Nutrition, Nuthetal, Germany</i>
10:15-10:30	Selected talk 12 Vertebral Bone Marrow Fatty Acid Composition and Its Associations with Adiposity, Metabolic and Musculoskeletal Health in the UK Biobank Marjola Thanaj , <i>Research Centre for Optimal Health, School of Life Sciences, University of Westminster, London, UK</i>
10:30-10:45	Selected talk 13 Formation and Specification of Bone Marrow Adipocytes Kishor Kumar Sivaraj , <i>Max Planck Institute for Molecular Biomedicine, Münster, Germany</i>
10:45-11:15	Coffee break & Posters



Scientific Programme

Friday 11th September 2026

11:15-13:15	SESSION 5: Pharmacological and niche regulation of BMAT and bone <i>Chair: Dr Natalia Zapata-Linares, Paris-Saclay University</i>
11:15-11:45	Invited Lecture 10 GLP-1 and bone: an overview of the human evidence Morten Frost , KMEB Molecular Endocrinology Laboratory, Department of Endocrinology, Odense University Hospital, Denmark
11:45-12:15	Invited Lecture 11 (virtual) GLP-1 receptor agonists in rheumatology: from weight loss to joint protection Francis Berenbaum , Department of Rheumatology, Sorbonne University, INSERM, AP-HP Saint-Antoine hospital, Paris, and 4Moving Biotech, Lille, France
12:15-12:30	Selected talk 14 Red bone marrow hosts metabolically active anucleate adipocytes that support hematopoiesis and tumor progression Camille Attane , IPBS/CNRS, Université de Toulouse, Toulouse, France
12:30-12:45	Selected talk 15 Repeated Low-Dose Etoposide Priming Reprograms Early Adipogenic Commitment Across Healthy, Fanconi Anemia, and AML Bone Marrow Niches Bihter Muratoğlu , Graduate School of Health Sciences, Department of Stem Cell Sciences, Hacettepe University, Ankara, Türkiye.
12:45-13:00	Poster pitches (Posters 12-22)
13:00-14:00	Lunch Break and poster viewing



Scientific Programme

Friday 11th September 2026

14:00-14:45	SESSION 6: Worldwide Voices and Late-Breaking Research <i>Chair: Dr Tania Amorim, University of Pittsburgh</i>
14:00-14:15	Selected talk 16 (virtual) <i>Lipolysis of constitutive BMAT occurs via distinct pathways in basal and stimulated conditions</i> Jordan Bollinger , Washington University in St. Louis, St. Louis, MO, USA
14:15-14:30	Late-breaking talk 01 <i>Metabolic remodelling of the aged and obese bone marrow promotes multiple myeloma progression</i> Beatriz Gámez , Nuffield Department of Surgical Sciences, University of Oxford, Oxford, UK
14:30-14:35	Virtual poster 01 <i>Bone marrow adiposity and osteocyte lacunar network in lumbar vertebrae of women with heroin abuse and chronic viral hepatitis: postmortem histomorphometric analysis</i> Jelena Jadzic , Center of Bone Biology, Faculty of Medicine, University of Belgrade, Serbia
14:35-14:40	Virtual poster 02 <i>NOX4 Controls Bone Marrow Adiposity and Redox Homeostasis in a Sex-Dependent Manner</i> Michaela Tencerova , Institute of Physiology of the Czech Academy of Sciences, Prague, Czech Republic
14:40-14:45	Virtual poster 03 <i>Mmp12 in Skeletal Aging: Controlling the Senescent Secretome and Marrow Adiposity Through Distinct Pathways</i> Abhishek Chandra , Mayo Clinic, Rochester, Minnesota, USA
14:45-14:50	Virtual poster 04 <i>Bone marrow adiposity as novel determinant of type 2 diabetes: a UK Biobank study</i> Samuel Sjöström , Institute for Neuroscience and Cardiovascular Research, University of Edinburgh, UK
14:50-15:00	Short break



Scientific Programme

Friday 11th September 2026

15:00-15:35	SESSION 7: Future directions for BMA research
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15:00-15:20	Keynote talk
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Recent advances and future opportunities for BMA research

Tania Amorim, University of Pittsburgh

William Cawthorn, Institute for Neuroscience and Cardiovascular Research,
University of Edinburgh

Isabel Hermsmeyer, University of Michigan

15:20-15:35	Interactive Discussion (<i>Chaired by Tania, William and Isabel</i>)
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Where next for BMA in research and clinical practice?

Open discussion among BMA2026 attendees

15:40-16:20	Awards and Closing Ceremony
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Bram van der Eerden (BMAS President), Erasmus MC, Rotterdam,
Netherlands

Congratulations to recipients of awards for the best abstracts submitted to BMA2026!

Best Abstract Prize

Sreejith Panicker

Travel Awards

Camille Attane

Hadla Hariri

Marjola Thanaj

Charles Bataclan

Zoltan Kellermayer

Danielle Whipp

Prizes for Best Oral Presentation and Best Poster Presentation will be decided during the conference and presented during the Awards Ceremony



Invited Speakers

Francis Berenbaum

CRSA-Sorbonne Université-
Hopital Saint Antoine, Paris,
France

Kelsey Collins

Department of Orthopaedic
Surgery, University of California
San Francisco, USA

Morten Frost

KMEB Molecular Endocrinology
Laboratory, Department of
Endocrinology, Odense
University Hospital, Denmark

Paolo Gallipoli

Barts Cancer Institute, Queen
Mary University of London, UK

Ormond MacDougald

University of Michigan, Ann
Arbor, MI, USA

Alex Rauch

University of Southern Denmark,
Odense, Denmark

Elizabeth Rendina-Ruedy

Department of Nutritional
Sciences, University of
Oklahoma Health Campus, USA

Michaela Reagan

MaineHealth Institute for
Research, Scarborough, ME,
USA

Erica Scheller

Washington University, St Louis,
USA

Louise Thomas

University of Westminster,
London, UK

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GENERAL INFORMATION

Scientific Organisation

The International Bone Marrow Adiposity Society (BMAS),

<https://bma-society.org>



THE INTERNATIONAL
BONE MARROW
ADIPOSITY SOCIETY

AT THE CROSSROADS OF FAT, BLOOD AND BONE



Venue

The Playfair Library
Old College
The University of Edinburgh
South Bridge
Edinburgh, EH8 9YL
United Kingdom





ABOUT BMAS

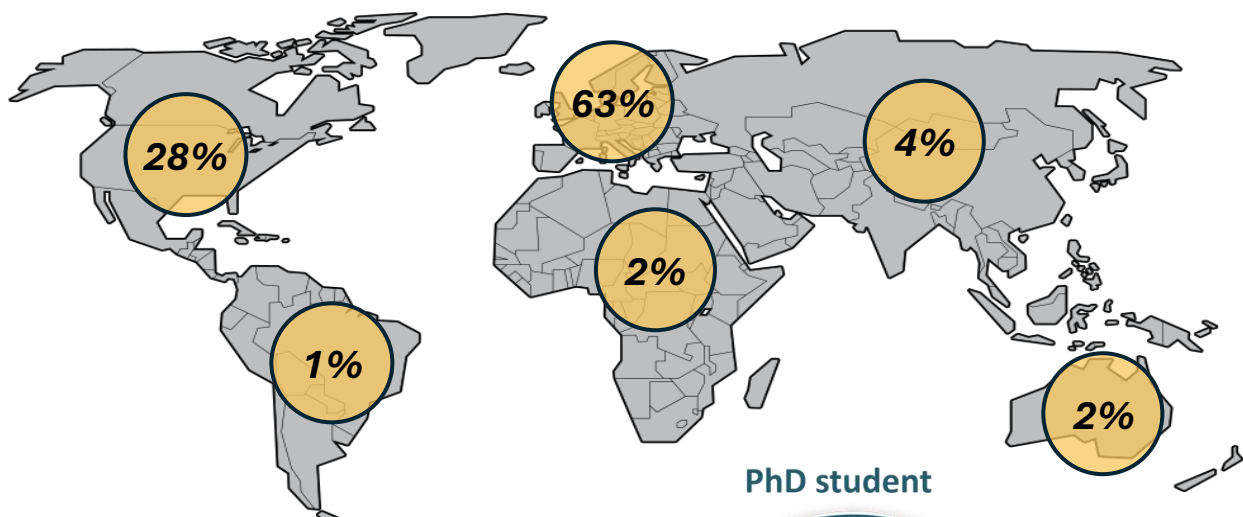
The international Bone Marrow Adiposity Society (BMAS) is the premier research society focusing on the role of bone marrow adipose tissue in health and disease. It was founded in 2017 in response to increasing research into bone marrow adipose tissue.



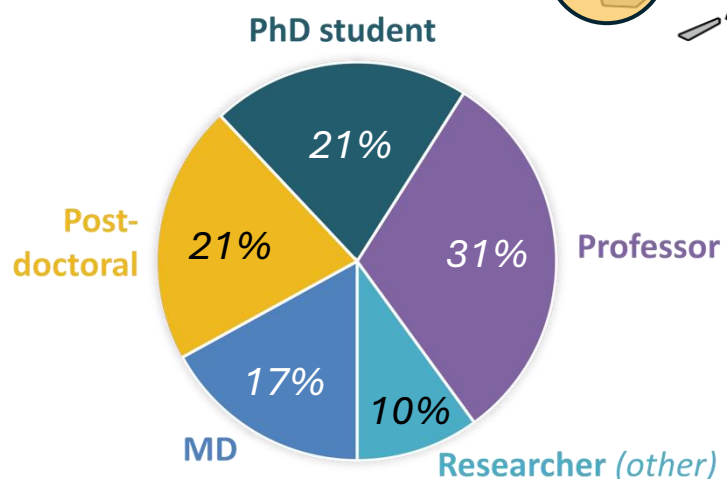
BMAS aims to promote excellence in bone marrow adiposity research at an international scale by providing learning and networking opportunities to basic, translational and clinical researchers in this diverse, growing field.

MEMBERSHIP DEMOGRAPHICS

BMAS currently has 120 members spanning all career stages. Our membership previously focussed on Europe and North America but is increasingly international:



Our events attract an audience of ECRs and professionals from all over the world. For example, at our last summer school we had participants from Europe, North America, India, Africa, Australia, and South America.



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THANK YOU TO OUR SPONSORS!

The Organizing Committee would like to thank the following sponsors for their generous support.

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