

Sunday October 8 • 7:00 AM - 4:15 PM • Mountbatten (6th Floor)

Course Directors and Moderators Julie C. Fanburg-Smith, MD, Carol D. Morris, MD, MS, Mark D. Murphey, MD

7:00 am - 7:50 am Coffee, Breakfast and Registration

7:50 am - 8:00 am Welcome & Announcements

I. MUSCULOSKELETAL: OVERVIEW BASICS AND NON-NEOPLASTIC

8:00 am - 8:15 am **General Approach**

Julie C. Fanburg-Smith, MD (Pathologist) Penn State Health, Penn State Children's Hospital, Penn State College of Medicine, Hershey, Pennsylvania, USA

Carol D. Morris, MD, MS (Orthopedic Surgeon) Memorial Sloan Kettering, New York, USA

Mark D. Murphey, MD (Radiologist) AIRP, Silver Spring, Maryland, USA

8:15 am Q&A

8:20 am - 8:45 am **The Pathology of Osteoblasts and Osteoclasts and Radiologic Correlates**

Andrew E. Rosenberg, MD (Pathologist) University of Miami, Florida, USA

Ty Subhawong, MD (Radiologist) University of Miami, Florida, USA

8:45 am Q&A

8:50 am - 9:10 am **A Lost Art: The Value of Macroscopic Inspection**

S. Fiona Bonar, MB, FRCPath, FRCPA (Pathologist) Douglass Hanly Moir, Sydney, Australia

9:10 am Q&A

9:15 am - 9:30 am **Challenges of Bone Marrow MRI in Pediatrics**

Laura Fayad, MD (Radiologist) Johns Hopkins Hospital, Baltimore, Maryland, USA

9:30 am Q&A

9:35 am - 9:50 am **Charcot Neuropathic Arthropathy and Varieties of Rapidly Destructive Arthritis**

Edward DiCarlo, MD (Pathologist) Hospital for Special Surgery, New York, USA

9:50 am Q&A

9:55 am - 10:25 am **BREAK**

Sunday October 8 • 7:00 AM - 4:15 PM • Mountbatten (6th Floor)

Course Directors and Moderators Julie C. Fanburg-Smith, MD, Carol D. Morris, MD, MS, Mark D. Murphey, MD

II. MUSCULOSKELETAL: NEOPLASTIC

10:25 am – 10:55 am	<p>Stratification of Lipomatous Lesions: The Good, The Not So Bad, The Ugly <i>Julie C. Fanburg-Smith, MD</i> (Pathologist) Penn State Health/College of Medicine, Hershey, Pennsylvania, USA <i>Carol Morris, MD, MS</i> (Orthopedic Surgeon) Memorial Sloan Kettering, New York, USA <i>Mark D. Murphey, MD</i> (Radiologist) AIRP, Silver Spring, Maryland, USA</p>
10:55 am	Q&A
11:00 am – 11:30 am	<p>Intraarticular Tumors - Interdisciplinary Perspectives <i>Takatoshi Aoki, MD, PhD</i> (Radiologist) University of Environmental and Occupational Health, Kitakyushu, Japan <i>Yoshinao Oda, MD, PhD</i> (Pathologist) Kyushu University, Fukuoka, Japan <i>Jun Nishida, MD</i> (Orthopedic Surgeon) Tokyo Medical University, Tokyo, Japan</p>
11:30 am	Q&A
11:35 am – 12:00 pm	<p>Difficult Cartilage Lesions – Interdisciplinary Perspectives <i>Judith Bovee, MD, PhD</i> (Pathologist) LUMC Leiden, The Netherlands <i>Robert JP van der Wal, MD</i> (Orthopedic Surgeon) LUMC Leiden, The Netherlands <i>Kirsten van Langevelde, MD, PhD</i> (Radiologist) LUMC Leiden, The Netherlands</p>
12:00 pm	Q&A
12:05 pm – 1:00 pm	LUNCH ON YOUR OWN
1:00 pm – 1:15 pm	<p>Chondroblastoma Including Malignant Variant <i>John Reith, MD</i> (Pathologist) Cleveland Clinic, Ohio, USA <i>Hakan Ilaslan, MD</i> (Radiologist) Cleveland Clinic, Ohio, USA</p>
1:15 pm	Q&A
1:20 pm – 1:40 pm	<p>Soft Tissue Tumors in the Intermediate Category: Is There a Radiology-Pathology Correlation? <i>Paul O'Donnell, MBBS, FRCP, FRCR</i> (Radiologist) Royal National Orthopaedic Hospital, Stanmore, UC London, United Kingdom <i>Fernanda Amary, MD, PhD</i> (Pathologist) Royal National Orthopaedic Hospital, Stanmore, UC London, United Kingdom</p>
1:40 pm	Q&A

Sunday October 8 • 7:00 AM - 4:15 PM • Mountbatten (6th Floor)

Course Directors and Moderators Julie C. Fanburg-Smith, MD, Carol D. Morris, MD, MS, Mark D. Murphey, MD

III. HOT TOPICS OF INTEREST AND THE FUTURE

1:45 pm – 2:00 pm **Artificial or Augmented Intelligence?: Applications and Challenges in Pathology**
Meera Hameed, MD (Pathologist) Memorial Sloan Kettering, New York, USA

2:00 pm Q&A

2:05 pm – 2:20 pm **Bones in Space**
Dariusz Borys, MD (Pathologist) Loyola University, Chicago, Illinois, USA

2:20 pm Q&A

2:25 pm – 2:40 pm **Methylome Profiling**
Daniel Baumhoer, MD (Pathologist) University Hospital Basel, Basel, Switzerland

2:40 pm Q&A

2:45 pm – 3:05 pm BREAK

3:05 pm – 3:20 pm **Novel UTE MRI in Musculoskeletal System**
Christine B. Chung, MD (Radiologist) University of California, San Diego, California, USA

3:20 pm Q&A

3:25 pm – 3:40 pm **Emerging Techniques in Orthopaedic Oncology**
Patrick J. Boland, MD (Orthopedic Surgeon) Memorial Sloan Kettering, New York, USA

3:40 pm Q&A

3:45 pm – 4:00 pm **Molecular Updates**
Adrienne Flanagan, MB, BCh, PhD – (Pathologist) Royal National Orthopaedic Hospital, Stanmore, Greater London, United Kingdom

4:00 pm Q&A

4:05 pm – 4:15 pm **Course Wrap-Up by Course Directors**
Julie C. Fanburg-Smith, MD, Carol D. Morris, MD, MS and Mark D. Murphey, MD

