



# PROGRAMME

# PRESENTATION

*We are delighted to announce the organization of the 9th Bone and Soft Tissue Tumors Madrid Course in Madrid, Spain to be held in June 2022. We are privileged to be presenting it again this year, and have increased, updated, and diversified its content to make it more applicable to relevant physicians than before.*

*The faculty include internationally renowned orthopaedic oncology surgeons, musculoskeletal pathologists, bone radiologists, medical and radiation oncologists, plastic surgeons from the best sarcomas centers including Harvard Medical School, Massachusetts General Hospital (Boston) and Beth Israel Deaconess Medical Center (Boston); Miller School of Medicine, University of Miami; MD Anderson Cancer Center of University of Texas (Houston); Health Science Center of University of Texas San Antonio; University Hospital of New Jersey Medical School, (Newark); NOVA Southeastern University College of Allopathic Medicine (Fort Lauderdale); Henry Ford Hospital (Detroit); Center for Musculoskeletal Oncology (University of Padova); Hopital Maisonneuve-Rosemont (Montreal, Canada) and La Paz University Hospital (Madrid).*

*The Course is based on the precepts established by its founder Dr. Henry J. Mankin and is supported by the Musculoskeletal Tumor Society ([www.msts.org](http://www.msts.org)). Many of the faculty are MSTs members and include leaders of its standing committees and president of the society. The participants (190 – 210; 40% from outside of Spain) include residents, fellows, and practicing clinicians who are interested to study, to treat and manage patients with bone and soft tissue neoplasms.*

*The Course offers state of the art scientific information regarding the epidemiology, genetics, diagnosis, radiology and treatment of musculoskeletal tumors. The Course offers to all multidisciplinary sarcoma teams greater knowledge of the scientific basis of musculoskeletal pathology, in which the roles of the orthopaedic surgeon, pathologist and radiologist overlap. This is complemented by the range of different treatment options, both general (medical oncology) and local (orthopaedic oncology surgery, radiation oncology and plastic surgery) .*

*The Course has new national speakers and renewed conferences, as well as an extension to practical clinical cases and interactive participation, making it increasingly attractive for all participants and assistants. A truly multidisciplinary approach is taken throughout the course, as it is to be expected in the treatment of these kinds of pathologies.*

*This Course was organized in Madrid in 2000, 2003, 2009, 2012, 2014, 2016, and 2019 with excellent attendance figures, since when we have been repeatedly asked when we would be organizing it again. We feel privileged to be holding it again this year, having enlarged, updated and diversified its content to make it even more popular than before.*

**Dr. Eduardo J. Ortiz-Cruz**  
Course Director

**Dr. Andrés Redondo**  
Course Codirector

# INFORMATION

## VENUE

Aula Ortiz Vázquez.  
Hospital Universitario La Paz  
P.º de la Castellana, 261  
28046 Madrid

## LANGUAGE

The course will be given in English and Spanish with simultaneous translation into Spanish and English. The Laboratory sessions will be given only in English.

## REGISTRATION FEES

COURSE: only theory

General  
Residents and fellows

COMPLETE COURSE: theory and  
practice on computer - LAB (Limited capacity)

General  
Residents and fellows

before Jan. 22 <sup>nd</sup> 22*	after Jan. 22 <sup>nd</sup> 22*
€ 400	€ 500
€ 300	€ 300
€ 600	€ 800
€ 500	€ 500

\*(VAT not included)

## ORGANIZATION

**SEFAF**

## LIMITED PLACES

Places for the lab are limited and applicants will be accepted on a strict first-come first-served basis.

## REGISTRATION

To register [click here](#)

For additional information visit the following website:

[www.bstt-madridcourse.com](http://www.bstt-madridcourse.com)

or email us at: [bstt@provalentia.com](mailto:bstt@provalentia.com)

## SCIENTIFIC SECRETARIAT

Eduardo J. Ortiz-Cruz, MD  
Andrés Redondo, MD

## ACCOMMODATION

If you need accommodation you can either book it on the website or contact the Technical Secretariat.

## TECHNICAL SECRETARIAT

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# FACULTY



## **JOSEPH BENEVENIA (USA)**

Professor & Chair. Department of Orthopaedics. Orthopaedic Oncology. Rutgers. New Jersey Medical School. University Hospital of Newark. Past President of Musculoskeletal Tumor Society.



## **MICHAEL P. MOTT (USA)**

Orthopaedic Oncologic Surgeon. Chief of Division of Musculoskeletal Oncology. Henry Ford Hospital and Health System. Detroit, USA. President-Elect of the Musculoskeletal Tumor Society.



## **MARK C. GEBHARDT (USA)**

Chief of Orthopaedic Surgery Beth Israel Deaconess Medical Center Frederick W. and Jane M. Ilfeld Professor of Orthopaedic Surgery Harvard Medical School. Boston.



## **PETUR NIELSEN (USA)**

Professor of Pathology, Harvard Medical School. Pathologist, Department of Pathology. Director of Bone and Soft Tissue Pathology. Director of Electron Microscopy Unit. Massachusetts General Hospital. Boston, USA.



## **FRANCIS J. HORNICEK (USA)**

Chair of the Orthopaedics Department. University of Miami Leonard M. Miller School of Medicine. Florida.



## **EDUARDO J. ORTIZ-CRUZ (SPAIN)**

Chief of Orthopaedic Oncology Section, Hospital Universitario La Paz. MD Anderson Cancer Center. Hospital Universitario HM Montepíncipe. Ruber Hospital. Madrid.



## **MARC ISLER (CANADA)**

Department of Orthopaedic Oncology, University of Montreal. Hospital Maisonneuve-Rosemont, Montreal, Quebec, Canada.

# FACULTY



## SHREYASKUMAR R. PATEL (USA)

Robert R. Herring Distinguished Professor of Medicine. Center Medical Director, Sarcoma Center. Deputy Chairman, Dept. of Sarcoma Medical Oncology. The University of Texas M.D. Anderson Cancer Center.



## ROBERT QUINN (USA)

Chair & Professor, Department of Orthopaedic Surgery. University of Texas Health Science Center at San Antonio. Immediate Past President, Musculoskeletal Tumor Society.



## ANDRÉS REDONDO SÁNCHEZ (SPAIN)

Associate Professor of Medicine. Universidad Autónoma de Madrid. Sarcoma and Gynaecological Cancer Unit Medical Oncology Department. Hospital Universitario La Paz. Madrid.



## ANDREW E. ROSENBERG (USA)

Professor and Vice Chair. Director of Bone & Soft Tissue Pathology. Miller School of Medicine. University of Miami Hospital.



## PIETRO RUGGIERI (ITALY)

Professor and Chair Department of Orthopedics and Orthopedic Oncology University of Padova. Director of Center for Research on Musculoskeletal Tumors "Mario Mercuri". President of EMSOS. Secretary General of ISOLS.



## ALAN L. SCHILLER (USA)

Founding Chair and Professor of Pathology. NOVA Southeastern University College of Allopathic Medicine. Florida, USA. HCA Program Director. Pathology Residency Program. Kendall Regional Medical Center.

# SPEAKERS

## **ROSA ÁLVAREZ ÁLVAREZ**

Sarcoma Medical Oncology. Hospital Universitario Gregorio Marañón. Madrid.

## **IRENE BARRIENTOS RUIZ**

Orthopaedic Oncology Surgery. Hospital Universitario La Paz. Madrid.

## **BELÉN BELINCHÓN OLMEDA**

Radiation Oncology. Hospital Universitario La Paz y Hospital Ruber Internacional. Madrid.

## **ALBERTO BERJÓN GARCÍA**

Bone and Soft Tissue Pathology. Hospital Universitario La Paz. Madrid.

## **DANIEL BERNABEU TABOADA**

Radiology and Musculoskeletal Imaging Section. Hospital Universitario La Paz. Madrid.

## **ELENA BRAVO BRAÑAS**

Plastic and Reconstructive Surgery. Hospital Universitario La Paz. Madrid.

## **JOSÉ M. CORDERO GARCÍA**

Nuclear Medicine Department. Hospital Universitario La Paz. Madrid.

## **M PURIFICACIÓN DOMÍNGUEZ FRANJO**

Bone and Soft Tissue Pathology Chair of Pathology Anatomy Service. Ruber Internacional Hospital and Hospital Rey Juan Carlos. Madrid.

## **CARMEN IGLESIAS URRACA**

Plastic and Reconstructive Surgery. Hospital Universitario La Paz. Madrid.

## **JOSÉ MARTEL VILLAGRÁN**

Radiology and Musculoskeletal Imaging Section. Hospital Universitario Fundación Hospital Alcorcón. Madrid.

## **JAVIER MARTÍN BROTO**

Sarcoma Medical Oncologist. University Hospital Fundación Jiménez Díaz. Madrid.

## **MARTA MENDIOLA SABIO**

Molecular Pathology Laboratory. Instituto de Genética Médica y Molecular. Universitario La Paz. Madrid.

## **ÁNGEL MONTERO LUIS**

Radiation Oncologist. Hospital Universitario HM Sanchinarro. Madrid.

## **MANUEL PELETEIRO PENSADO**

Orthopaedic Oncology Surgery. Hospital Universitario La Paz. Madrid.

## **ANTONIO PÉREZ MARTÍNEZ**

Head of Pediatric Hematology Oncology and Stem Cell Transplantation Hospital Universitario La Paz. Madrid.

## **JOSÉ JUAN POZO KREILINGER**

Bone and Soft Tissue Pathology. Hospital Universitario La Paz. Madrid.

## **ALICIA RICO NIETO**

Infectious Diseases Unit. Hospital Universitario La Paz. Madrid.

## **PEDRO RUBIO APARICIO**

Pediatric Hematology & Oncology Department. Hospital Universitario La Paz. Madrid.

## **MAR TAPIA VIÑÉ**

Radiology and Musculoskeletal Imaging Section. Hospital Universitario La Paz. Madrid.

## **CLAUDIA M<sup>a</sup> VALVERDE MORALES**

Sarcoma Medical Oncology. President of Grupo GEIS. Hospital Universitario Vall d'Hebron. Barcelona.

# PROGRAMME: WEDNESDAY 8<sup>TH</sup>

08:50-09:00 **OPENING CEREMONY**  
*Juan José Ríos / Enrique Gil*

09:00 - 09:15 **WELCOME AND INTRODUCTION**  
*Eduardo Ortiz-Cruz / Andrés Redondo*

## 1. MUSCULOESKELETAL TUMORS: THE FOUNDATION

Moderators: *Andrew Rosenberg / Eduardo Ortiz*

09:15 - 09:45 Growth and Development of the Skeletal System.  
*Alan Schiller*

09:45 - 10:15 Bone Tissue in Health and Disease.  
*Andrew Rosenberg*

10:15 - 10:45 Introduction to Bone tumors: The Who's, What's and Why's.  
*Andrew Rosenberg*

10:45 - 11:05 Role of the Radiologist in the Analysis of Musculoskeletal Tumors.  
*José Martel*

11:05 - 11:25 PET Scan in the Evaluation of Bone and Soft Tissue Tumors.  
*José Cordero*

11:25 - 11:35 **QUESTIONS**

11:35 - 11:55 **COFFEE**

12:00 - 12:15 Molecular Biology of Sarcomas - the Basics.  
*Marta Mendiola*

12:15 - 12:40 Clinical Case: When Molecular Biology is Crucial for Diagnosis.  
*Alberto Berjón / Marta Mendiola / Mar Tapia*

## 2. BONE AND JOINT TUMORS AND TUMOR-LIKE LESIONS

Moderators: *Petur Nielsen / Eduardo Ortiz*

12:40 - 13:00 Tumor-like Lesions: Fracture Callus, Myositis Ossificans, Brown Tumor.  
*Alan Schiller*

13:00 - 13:20 Pathology of Joint Disease / Joint Tumors.  
*Petur Nielsen*

13:20 - 13:35 Vascular Tumors of Bone.  
*Andrew Rosenberg*

13:35 - 13:55 Benign Cystic Lesions of Bone: Simply Bone Cyst, Aneurysmal Bone Cyst.  
*Eduardo Ortiz-Cruz / Alberto Berjón*

13:55 - 14:15 **QUESTIONS**

14:15 - 15:15 **LUNCH / WORKSHOP ACUÑA Y FOMBONA**  
International multicenter clinical results on the use of Carbofix nails and plates for orthopedic oncology.  
*Michiel Van de Sande*

Moderators: *Michiel Van de Sande / Manuel Peleteiro*

15:15 - 15:45 CASE PRESENTATION. TUMOR BOARD  
*Petur Nielsen / Andrew Rosenberg / Francis Hornicek / Mark Gebhardt*

15:45 - 16:05 Benign Cartilage Tumors.  
*Francis Hornicek / Petur Nielsen*

16:05 - 16:25 Malignant Cartilage Tumors.  
*Francis Hornicek / Andrew Rosenberg*

16:25 - 16:45 Benign Bone Forming Tumors: Osteoid Osteoma, Osteoblastoma.  
*Mark Gebhardt / Alan Schiller*

16:45 - 17:15 Malignant Bone Tumors: Osteosarcoma and Variants.  
*Mark Gebhardt / Andrew Rosenberg*

17:15 - 17:30 **QUESTIONS**

17:40 - 19:00 **LAB: Normal Bone Growth Plate; Joint Disease and Tumors, Cartilage Tumors; Myositis Ossificans, Cystic Tumors of Bone.**  
*Alan Schiller / Petur Nielsen / Andrew Rosenberg / José Pozo / M Purificación Domínguez*

LAB

# PROGRAMME: THURSDAY 9<sup>TH</sup>

Moderators: *Mark Gebhardt / Eduardo Ortiz-Cruz*

08:30 - 08:50 Benign and Malignant Fibrous Tumors of Bone.  
*Joseph Benevenia / Andrew Rosenberg*

08:50 - 09:10 Fibro-osseous Tumors of Bone.  
*Mark Gebhardt / Petur Nielsen*

09:10 - 09:40 Systemic Treatment of Osteosarcoma.  
*Shreyaskumar Patel*

09:40 - 10:00 Giant Cell Tumor of Bone and the Use of Adjuvants.  
*Robert Quinn / Andrew Rosenberg*

10:00 - 10:20 **QUESTIONS**

10:20 - 10:40 **COFFEE**

Moderator: *Robert Quinn*

10:50 - 11:20 BONE TUMOR CASE PRESENTATION: TUMOR-BOARD  
*Petur Nielsen / Andrew Rosenberg / Alan Schiller*

11:20 - 11:40 Undifferentiated Round Cell Sarcomas. An Update.  
*Petur Nielsen*

11:40 - 12:10 Systemic Treatment of Round Cell Sarcomas.  
*Shreyaskumar Patel*

12:10 - 12:30 Notochordal Tumors.  
*Petur Nielsen*

12:30 - 12:50 Chordoma: Surgical Treatment.  
*Francis Hornicek*

12:50 - 13:10 Radiation Therapy for Bone Sarcomas.  
*Ángel Montero*

13:10 - 13:30 **QUESTIONS**

13:30 - 14:50 **LUNCH / WORKSHOP MBA**  
Custom Implants C-Fit 3D.  
*Isabel Flesch Laforce*

Moderators: *Francis Hornicek / Pietro Ruggieri*

14:50 - 15:20 CASE PRESENTATION: MSTs PRESIDENTS.  
*Michael Mott / Robert Quinn / Joseph Benevenia*

15:20 - 15:40 Outcomes in Musculoskeletal Oncology: Surgeon or Patient Centered.  
*Robert Quinn*

15:40 - 16:00 GCT on distal radius. Surgical treatment.  
*Marc Isler*

16:00 - 16:20 Current Status of Reconstructions for Bone Sarcomas in Children.  
*Mark Gebhardt*

16:20 - 16:40 Current Status of Reconstructions for Bone Sarcomas in Adults.  
*Francis Hornicek*

16:40 - 17:00 Advances in Shoulder Girdle Reconstructions.  
*Pietro Ruggieri*

17:00 - 17:20 **QUESTIONS**

17:30 - 19:00 **LAB: Benign and Malignant Bone Forming Tumors, Benign and Malignant Cartilage Tumors, Giant cell tumor, Benign Cystic Lesions, Benign Fibrous lesions, Joint Tumors, Summation.**  
*Alan Schiller / Petur Nielsen / Andrew Rosenberg / José Pozo / M Purificación Domínguez*

LAB



# PROGRAMME: FRIDAY 10<sup>TH</sup>

## 3. SOFT TISSUE TUMORS

Moderators: *Eduardo Ortiz-Cruz / Petur Nielsen*

08:30 - 09:00 Soft Tissue Sarcoma: Classification, Grading, and Handling specimens.  
*Petur Nielsen*

09:00 - 09:20 Imaging of Soft Tissue Sarcomas: Evaluation of Response and Follow-up.  
*Daniel Bernabeu*

09:20 - 09:40 Tight Margins and Soft Tissue Sarcomas: a Practical Exploration of Surgical Realities.  
*Michael Mott*

09:40 - 10:00 Role of Plastic Surgery in Soft Tissue Sarcomas.  
*Carmen Iglesias / Elena Bravo*

10:00 - 10:30 Neoadjuvant or Adjuvant Chemotherapy for Soft Tissue Sarcomas.  
*Shreyaskumar Patel*

10:30 - 10:50 **QUESTIONS**

10:50 - 11:10 **COFFEE**

Moderators: *Andrés Redondo / Javier Martín*

11:10 - 11:30 Adjuvant Radiotherapy in Soft Tissue Sarcomas.  
*Belén Belinchón*

11:30 - 11:50 First Line Chemotherapy in Advanced Soft Tissue Sarcomas.  
*Andrés Redondo*

11:50 - 12:20 SOFT TISSUE SARCOMA CASE PRESENTATION. TUMOR BOARD.  
*La Paz Hospital Sarcoma Committee*

12:20 - 12:40 Options for Second Line Therapy in Soft Tissue Sarcomas.  
*Claudia Valverde*

12:40 - 13:00 Is there Room for Immunotherapy in Soft Tissue Sarcomas?  
*Javier Martín-Broto*

13:00 - 13:20 **QUESTIONS**

13:20 - 14:30 **LUNCH / WORKSHOP BONALIVE**  
Treatment of benign bone tumors in children using bioactive glass.  
*Ilkka Helenius*

Moderators: *Shreyaskumar Patel / Andrés Redondo*

14:30 - 15:00 Fibromatosis: A Multidisciplinary Approach.  
*Eduardo Ortiz-Cruz / Belén Belinchón / Daniel Bernabeu / Andrés Redondo*

15:00 - 15:20 Role of Natural Killers Cell Therapy in Pediatric Sarcomas.  
*Antonio Pérez*

15:20 - 15:40 Tissue Agnostic Therapies: a New Option for Patients with Sarcoma.  
*Rosa Álvarez*

15:40 - 16:00 Update on Rhabdomyosarcoma.  
*Pedro Rubio*

16:00 - 16:20 **QUESTIONS**

16:30 - 18:00 **LAB: Ewing Sarcoma, Lymphoma, Myeloma, Chordoma, Langerhans Cell Histiocytosis, GCT, Summation.**  
*Alan Schiller / Petur Nielsen / Andrew Rosenberg / José Pozo / M Purificación Domínguez*

LAB

# PROGRAMME: SATURDAY 11<sup>TH</sup>

## 4. MISCELLANEUS

Moderator: *Eduardo Ortiz-Cruz*

09:00 - 09:30 SURGICAL CASE PRESENTATION.  
*Marc Isler / Eduardo Ortiz-Cruz*

09:30 - 09:50 Pelvic Tumor Reconstruction: Indications,  
Implants and Outcome.  
*Joseph Benevenia*

09:50 - 10:10 3D Printed Reconstructions.  
*Pietro Ruggieri*

10:10 - 10:30 Simulation as Preparation for Complex Orthopedic  
Oncology Surgery.  
*Marc Isler*

10:30 - 11:50 **QUESTIONS**

11:50 - 12:10 **COFFEE**

12:10 - 12:40 Infections in Megaprotheses Surgery: Past,  
Present and Future.  
*Manuel Peleteiro / Irene Barrientos / Alicia Rico*

12:40 - 13:10 Salvage of Previous Failed Limb Salvage Reconstructions.  
*Michael Mott*

13:10 - 13:30 Am I Nailing a Pathologic Fracture?  
*Francis Hornicek*

13:30 - 14:00 **QUESTIONS AND CLOSING REMARKS**  
*Francis Hornicek / Mark Gebhardt / Eduardo Ortiz-Cruz*

Last update: 30/05/2022

# AUSPICES



AEAS



GETTHI  
Grupo Español de Oncología Transversal  
y Tumores Hueso y Tejidos Blandos



Supported by Musculoskeletal  
Tumor Society



SEOM® es una marca registrada.  
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# SPONSORS



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# ACCREDITATION



- \* The Course has been granted 27 European CME credits (ECMEC®s) by the European Accreditation Council for Continuing Medical Education (EACCME®).
- \* The Course is Accredited by ACOE
- \* Credits for Continuing Medical Education have been applied for to the Consejería de Sanidad of Madrid.
- \* Validated by FENIN



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 [bstt-madridcourse.com](http://bstt-madridcourse.com)

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## TECHNICAL SECRETARIAT

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