

## SHORT PROGRAMM

GRIBOI program



# GRIBOI PROGRAM

Monday, 16 October, 2023

**GRIBOI opening ceremony** ..... Säulenhalle

**8:20 a.m. – 8:30 a.m.**

Alexis Kelekis (GRIBOI president)  
Marc Bohner (Congress chair)

**GRIBOI Session 1** ..... Säulenhalle

**8:30 a.m. – 10:30 a.m.**

### Chairs:

Jiang Chang (Shanghai, China)  
Alexis Kelekis (Haidari/ Athens, Greece)

- 8:30 a.m. **GRIBOI 1-1** **Advanced image guided navigation of spine interventions**  
Dimitrios Filippiadis  
University General Hospital "ATTIKON", National and Kapodistrian University of Athens, 2nd Department of Radiology, Athens, Greece
- 8:50 a.m. **GRIBOI 1-2** **Third-generation percutaneous vertebral augmentation**  
Silvia Santiago, Jesus Crespo, Maria Bragado, Rubén Hernández, Gregorio De Jesus Labrador, Francisco Ardura, David Cesar Noriega  
Hospital Clínico Universitario de Valladolid, Valladolid, Spain
- 9:10 a.m. **GRIBOI 1-3** **Does a temporal drop of extracellular calcium level induce heterotopic ossification in injured tissues?**  
Marc Bohner  
RMS Foundation, Bettlach, Switzerland
- 9:30 a.m. **GRIBOI 1-4** **The calcium carbonate - calcium phosphate system as a toolbox for injectable and customized bone cements**  
Christèle Combes  
CIRIMAT - Toulouse INP, ENSIACET, Toulouse, France
- 9:50 a.m. **GRIBOI 1-5** **A Neiman Fellow on health policy considerations in device development (OLD TITLE: Regulatory and health policy considerations in device development)**  
Joshua Hirsch  
SNIS Society of NeuroInterventional Surgery, Fairfax, USA
- 10:10 a.m. **GRIBOI 1-6** **Cavitation bubble dynamics and its application in medical field**  
Mohamed Farhat  
Head of Cavitation Research Group, Lausanne, Switzerland

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Coffee Break ..... Säulenhalle

10:30 a.m. – 11:00 a.m.

GRIBOI Session 2 ..... Säulenhalle

11:00 a.m. – 1:00 p.m.

### Chairs:

Malin Nilsson (Stockholm, Sweden)

Luigi Manfre (Palermo, Italy)

11:00 a.m. **GRIBOI 2-1 Ablation and cement augmentation for the treatment of painful osseous metastatic lesions**

Jack Jennings

Mallinckrodt Institute of Radiology, St. Louis, USA

11:20 a.m. **GRIBOI 2-2 Percutaneous management of vertebral metastasis with extreme osteolysis**

Diego San Millán

IRS Institut de Radiologie de Sion, Sion, Switzerland

11:40 a.m. **GRIBOI 2-3 Development of a Thermoelectric Cryoneurolysis Device Utilizing the Peltier Effect**

Ahmed Mahran, Kieran Murphy

Toronto Western Hospital, Department of Radiology, Toronto, Canada

11:50 a.m. **GRIBOI 2-4 Development of injectable bioactive composites for tissue repair**

Jiang Chang

Shanghai Institute of Ceramics, Shanghai, China

12:10 p.m. **GRIBOI 2-5 Basivertebral Nerve Ablation: Diagnostic and Therapeutic Challenges**

Douglas Beall

Clinical Radiology of Oklahoma, Edmond, USA

12:30 p.m. **GRIBOI 2-6 Ablation and Fixation for Metastatic Disease: Biomechanical effects and Durability**

Sean Tutton

UC San Diego Health, San Diego, USA

Lunch Break ..... Säulenhalle

1:00 p.m. – 2:30 p.m.

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**GRIBOI Session 3** ..... Säulenhalle

**2:30 p.m. – 4:30 p.m.**

### Chairs:

Christèle Combes (Toulouse, France)

Stefano Marcia (Cagliari, Italy)

2:30 p.m. **GRIBOI 3-1 Spine Instability: from the diagnosis to the treatment**

Luigi Manfre

University of Pittsburgh Medical Center, Salvator Mundi International Hospital,  
Palermo, Italy

2:50 p.m. **GRIBOI 3-2 Disc augmentation with PMMA bone cement with and without cement softener – pre-clinical and clinical review**

Malin Nilsson

Inossia AB; Stockholm, Sweden

3:10 p.m. **GRIBOI 3-3 Interventional treatments for discogenic back pain**

Olivier Clerk-Lamalice

Beam Radiology, Calgary, Canada

3:30 p.m. **GRIBOI 3-4 Back Pain Management: The Ladder from Imaging to Treatment**

Alexis Kelekis

National and Kapodistrian University of Athens, Greece

3:50 p.m. **GRIBOI 3-5 Management of Tarlov cysts an uncommon but serious life-altering spinal column disease – What do we know now through evidence and experience with over 1,000 patients?**

Kieran Murphy

SpinaFX Medical, Toronto, USA

4:10 p.m. **GRIBOI 3-6 Decision support and instrument navigation for percutaneous ablations in Liver, Lung and Kidney**

Stefan Weber

CASCINATION AG, Bern, Switzerland

**Coffee Break** ..... Säulenhalle

**4:30 p.m. – 5:00 p.m.**

**General Assembly** ..... Säulenhalle

**5:00 p.m. – 6:00 p.m.**

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## Tuesday, 17 October, 2023

**GRIBOI Session 4** .....**Säulenhalle**

**8:30 a.m. – 10:30 a.m.**

### Chairs:

Douglas Beall (Edmond, USA)

Marc Bohner (Bettlach, Switzerland)

8:30 a.m. **GRIBOI 4-1 Prophylactic Augmentation: Biomechanical Potential and Pitfalls**

Stephen Ferguson

ETH Zurich, Institute for Biomechanics, Zurich, Switzerland

8:50 a.m. **GRIBOI 4-2 Posterior approach VC fractures why and when.**

Gianluca Maestretti

HFR Fribourg – Hôpital cantonal, Fribourg, Switzerland

9:10 a.m. **GRIBOI 4-3 Combining systemic and local osteoporosis treatments: first results in rodents**

Vincent Stadelmann<sup>3</sup>, Estelle Gerossier<sup>2</sup>, Ulrike Kettenberger<sup>1</sup>, Dominique Pioletti<sup>2</sup>

<sup>1</sup> flowbone SA, Lausanne, Switzerland

<sup>2</sup> EPFL, Laboratory of Biomechanical Orthopedics, Lausanne, Switzerland

<sup>3</sup> Schulthess Klinik, Department of Research and Development, Zürich, Switzerland

9:30 a.m. **GRIBOI 4-4 New Musculosekeletal devices used in Europe, not yet available in America**

Stefano Marcia

ASL CAGLIARI, Radiology, Cagliari, Italy

9:50 a.m. **GRIBOI 4-5 Treatment of Vertebral Osteoporotic Compression Fractures : cement vs real bone augmentation**

Allan Brook

Montefiore Medical Center, New York, USA

10:10 a.m. **GRIBOI 4-6 Techniques to make vertebroplasty safer**

Lorin M. Benneker

Spine Service, Orthopedic Department, Sonnenhofspital, Bern, Switzerland

**Coffee Break** .....**Säulenhalle**

**10:30 a.m. – 11:00 a.m.**

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**Hands On Workshops with the industry** ..... Säulenhalle

**11:00 a.m. – 1:00 p.m.**

### Chairs:

Marc Bohner (Bettlach, Switzerland)

Alexis Kelekis (Haidari/ Athens, Greece)

11:00 a.m. **GRIBOI**      **Hands-on presentation Medtronic**  
**WS01**

# Medtronic

11:25 a.m. **GRIBOI**      **Hands-on presentation Inossia & G-21**  
**WS02**



11:50 a.m. **GRIBOI**      **Hands-on presentations AgNovos**  
**WS03**



12:15 p.m. **GRIBOI**      **Hands-on presentation Stryker**  
**WS04**

# stryker

**Closing Remarks** ..... Säulenhalle

**1:00 p.m. – 1:30 p.m.**

Marc Bohner (Congress Chair)

Alexis Kelekis (GRIBOI President)

**Farewell Lunch**..... Säulenhalle