

Day 1 – May 18, 2015

Time	Session
<b>08:00 – 09:00</b>	<b>Registration and Breakfast</b>
	<b>Session 1 – Aging Spine &amp; Vertebral Compression Fractures</b> Chairmen: G. Baroud, S. Becker
<b>09:00 – 09:30</b> <i>30 min</i>	<b>Lecture 1</b> Overview of Vertebral Augmentation <i>Douglas Beal, USA</i>
<b>09:30 – 10:00</b> <i>30 min</i>	<b>Lecture 2</b> Overview of Oncology Intervention <i>Alexis Kelekis, Greece</i>
<b>10:00 – 10:30</b> <i>30 min</i>	<b>Lecture 3</b> Paradigm Shift in Design of Bone Graft Submissions <i>Marc Bohner, Switzerland</i>
<b>10:30 – 10:45</b> <i>15 min</i>	Discussion
<b>10:45 – 11:30</b>	<b>Morning Break, Poster, Sponsor and Exhibitor Viewing</b>
	<b>Session 2 – Image-Guided Augmentation Procedures</b> Chairmen: M. Bohner, J. M. Boulter
<b>11:30 – 12:00</b> <i>30 min</i>	<b>Lecture 4</b> Update on Minimally Invasive Techniques for Degenerative Disease <i>Douglas Beal, USA</i>
<b>12:00 – 12:30</b> <i>30 min</i>	<b>Lecture 5</b> Update on the Benefits of Platelet-Rich Plasma Injection for Musculoskeletal Applications <i>Paul Mallinson</i>
<b>12:30 – 13:00</b> <i>30 min</i>	<b>Lecture 6</b> The Entrepreneur Scientist Series <i>Sean Tutton, USA</i>
<b>13:00 – 14:00</b>	<b>Lunch, Poster, Sponsor and Exhibitor Viewing</b>
	<b>Session 3.1 – Paper Presentations</b> Chairmen: O. Gauthier, W. Lu
<b>14:00 – 14:15</b> <i>15 min</i>	<b>Keynote No 1</b> Injectable Biomaterials: Is There a Sustainable Future? A Critical Assessment <i>Philip Procter, France</i>
<b>14:15 – 14:23</b> <i>8 min</i>	<b>Presentation No 1</b> Bone Marrow Aspirate Concentrate in Bone Healing: An Analysis of Basic Science Evidence <i>A. Gianakos, A. Ni, L. Zambrana, J. Moya-Angeler, J. G. Kennedy, J. M. Lane</i>
<b>14:23 – 14:31</b> <i>8 min</i>	<b>Presentation No 2</b> Percutaneous Bone Marrow Aspirate, Scaffolds, and Autografts for Spinal Arthrodesis: A Review of Current Research <i>A. Y. Ni, A. Ambrosino, A. Gianakos, L. Zambrana, J. Lane</i>
<b>14:31 – 14:39</b> <i>8 min</i>	<b>Presentation No 3</b> Injectable, Cohesive and Toughened Blood Composite Calcium Phosphate Cement for Spine Fusion: An In Vivo Model Developed in Sheep <i>C. Mellier, H. Gonçalves, M. Dutilleul, P. Pilet, P. Janvier, B. Bujoli, O. Gauthier, J-M. Boulter</i>
	<b>Session 3.2 – Paper Presentations</b> Chairmen: M. Bohner, G. Baroud
<b>14:39 – 14:54</b> <i>15 min</i>	<b>Keynote No 2</b> Sr-HA Injectable Cement for Spinal Fracture: The Development and Clinical Applications <i>William Lu, Hong Kong</i>

<b>14:54 – 15:02</b> <i>8 min</i>	<b>Presentation No 5</b> Radiological Research Disc Behaviour after Fracture of the Thoracolumbar Junction Compression Treated by Kyphoplasty: About A Series of 52 Cases <i>Teyssédou, M. Saget, C. Brèque, L. E. Gayet, P. Rigoard, P. Pries, T. Vendevre</i>
<b>15:02 – 15:10</b> <i>8 min</i>	<b>Presentation No 6</b> Platelet-Rich Plasma in the Long Bone Model: An Analysis of Basic Science Evidence <i>A. Gianakos, L. Zambrana, I. Savage-Elliott, J. M. Lane, J. G. Kennedy</i>
<b>15:10 – 15:18</b> <i>8 min</i>	<b>Presentation No 7</b> Percutaneous Interventional Radiologic Management of Large Bone Metastases to the Pelvis <i>P. I. Mallinson, T. J. Tan, T. M. Coupal, H. A. Ouellette, P. W. Clarkson, P. L. Munk</i>
<b>15:20 – 16:00</b>	<b>Afternoon Break, Poster, Sponsor and Exhibitor Viewing</b>
	<b>Session 4 – New Technology I</b> Chairmen: A. Kelekis
<b>16:00 – 16:30</b> <i>30 min</i>	<b>Lecture 7</b> Disc Regeneration and a Perspective on PRP <i>Stephan Becker, Austria</i>
<b>16:30 – 17:00</b> <i>30 min</i>	<b>Lecture 8</b> The Inflammatory Basis of Degenerative Disease and the Role of Anti TNF Therapy <i>Mohammed Shamji, Canada</i>
<b>17:00 – 17:30</b> <i>30 min</i>	<b>Lecture 9</b> The Entrepreneur Scientist Series Working with Others and CDA/NDA <i>Andrew Currier, Canada</i>
<b>17:30</b>	<b>End of Day 1</b>
<b>17:30</b>	<b>Opening Reception (Main Foyer)</b>

Day 2 – May 19, 2015

Time	Session
<b>08:00 – 09:00</b>	<b>Poster Presentations and Breakfast</b>
	<b>Session 5 – Tumour Management</b> Chairmen: P. Munk, P. Pezeshki
<b>09:00 – 09:25</b> <i>25 min</i>	<b>Lecture 10</b> VP/KP Techniques in Spine Mets Together with Cell Based Anti-Cancer Technologies <i>Stephen Becker, Austria</i>
<b>09:25 – 09:50</b> <i>25 min</i>	<b>Lecture 11</b> Radiofrequency Ablation Technology in the Spine <i>Padina Pezeshki, Canada</i>
<b>09:50 – 10:15</b> <i>25 min</i>	<b>Lecture 12</b> The Physics and Clinical Use of Cryoablation <i>Peter Munk, Canada</i>
<b>10:15 – 10:40</b> <i>25 min</i>	<b>Lecture 13</b> Palliative Care <i>Breffni Hannon, Canada</i>
<b>10:40 – 10:55</b> <i>15 min</i>	<b>Lecture 14</b> Image Based Evaluation of Tumour Burden, and Vertebral Fracture Risk <i>Cari Whyne, Canada</i>
<b>10:55 – 11:25</b>	<b>Morning Break, Poster, Sponsor and Exhibitor Viewing</b>
	<b>Session 6 – Tissue Repair</b> Chairmen: S. Becker, D. Beall
<b>11:25 – 11:50</b> <i>25 min</i>	<b>Lecture 15</b> Autologous Blood/Calcium Phosphate Composites: Impacts on Calcium Traffic, Handling & Mechanical Properties and Bioactivity <i>Jean-Michel Bouler, France</i>
<b>11:50 – 12:05</b> <i>15 min</i>	<b>Lecture 16</b> Making Patient-Specific Implants and Scaffolds <i>Michael Liebschner, USA</i>
<b>12:05 – 12:30</b> <i>25 min</i>	<b>Lecture 17</b> Update on Osteoporosis Intervention & Trials <i>Angela Cheung, Canada</i>
<b>12:30 – 13:00</b> <i>30 min</i>	<b>Keynote No 3</b> The Entrepreneur Scientist Series: Trademarks and Branding <i>Andrew Currier, Canada</i>
<b>13:00 – 14:00</b>	<b>Lunch and GRIBOI Assembly</b>
	<b>Session 7.1 – Paper Presentations</b> Chairmen: P. Proctor, J. M. Bouler
<b>14:00 – 14:20</b> <i>20 min</i>	<b>Keynote No 4</b> BMAC Treatment of Long Bone Fractures in Patients <i>Joe Lane</i>
<b>14:20 – 14:28</b> <i>8 min</i>	<b>Presentation No 9</b> Pre- and Post-Implantation Alignment of $\mu$ CT data of $\beta$ -TCP scaffolds <i>A. Sweedy, M. Bohner, G. H. van Lenthe, S. Becker, G. Baroud</i>
<b>14:28 – 14:36</b> <i>8 min</i>	<b>Presentation No 10</b> Injectable, Settable, and Space-Maintaining Composite Bone Grafts for Posterolateral Fusion <i>A. D. Talley, S. Shiels, K. J. Zienkiewicz, J. C. Wenke, S. A. Guelcher</i>

<b>14:36 – 14:44</b> 8 min	<b>Presentation No 11</b> Study of the Primary Load Holding on Tibial After Ballon Brings PMMA Cement Advantage <i>C. Brèque, F. Khiami, L. E. Gayet, J. P. Faure, J. P. Richer, T. Vendevre</i>
<b>14:44 – 14:52</b> 8 min	<b>Presentation No 12</b> In Vivo Response to Low-Modulus PMMA Bone Cements in a Rodent Model <i>C. Persson, E. Carlsson, K Treerattrakoon, A. López, M. Nilsson, S. Larsson</i>
<b>14:52 – 15:00</b>	<b>Afternoon Break</b>
<b>Session 7.2 – Paper Presentations</b> Chairmen: P. Janvier, M. Habib	
<b>15:00 – 15:15</b> 15 min	<b>Presentation No 13</b> New Apatitic Calcium Phosphate Cements Associated with Local Analgesic: Preliminary “In Vitro” and “In Vivo” Experimental Results <i>E. Verron, O. Gauthier, J. M. Boulter, P. Janvier</i>
<b>15:15 – 15:23</b> 8 min	<b>Presentation No 14</b> Micro-Strain Measurement of PMMA Bone Cement Using Digital Image Correlation(DIC) Method <i>J. Zhang, G. Baroud</i>
<b>15:23 – 15:31</b> 8 min	<b>Presentation No 15</b> Injectability of Calcium-Phosphate Pastes Following Prolonged Milling <i>M. Habib, M. Bohner, G. Baroud</i>
<b>15:31 – 15:39</b> 8 min	<b>Presentation No 16</b> Calcium Phosphate Cement Reinforced with Natural Cellulosic Fibers <i>P. Leuret, F. Tancret, P. Pilet, P. Janvier, J. M. Boulter, B. Bujoli</i>
<b>15:39 – 15:47</b> 8 min	<b>Presentation No 17</b> Seepage Effect to Control Cement Filling in the Bone Augmentation Procedure <i>S. Alenezi, F. Benyahia, S. Becker, M. Bohner, G. Baroud</i>
<b>15:47 – 16:00</b>	<b>Afternoon Break</b>
<b>Session 8 – New Technology &amp; Techniques</b> Chairmen: K. Murphy, A. Kelekis	
<b>16:00 – 16:30</b> 30 min	<b>Lecture 18</b> New MRI Technology and Novel Guidance Systems <i>Cameron Piron, Amin Kassim, Canada</i>
<b>16:30 – 17:00</b> 30 min	<b>Lecture 19</b> Inflammatory Spondyloarthropathy Advances in Diagnosis and Treatment <i>Robert Inman, Canada</i>
<b>17:00 – 17:30</b> 30 min	<b>Lecture 20</b> The Entrepreneur Scientist Series: Patents <i>Andrew Currier, Canada</i>
<b>17:30 – 17:45</b> 15 min	<b>Keynote No 5</b> Study on Calcium Silicate/Magnesium Phosphate Composite Bone Cement <i>J. Chang, W.J. Liu, Z.G. Huan, D. Zhai, C.T. Wu</i>
<b>17:30 – 18:30</b>	<b>Evening Break</b>
<b>18:30 – 20:30</b> 120 min	<b>Intellectual Property Management Session</b> <i>Jude Paganelli</i> <i>Douglas Portnow</i>
<b>20:30</b>	<b>End of Day 2</b>

Day 3 – May 20, 2015

Time	Session
<b>08:00 – 09:00</b>	<b>Poster Presentations and Breakfast</b>
	<b>Session 9 – New Technology II</b> Chairmen: G. Baroud, S. Becker
<b>09:00 – 09:30</b> <i>30 min</i>	<b>Lecture 21</b> The Future of Implants, What's On Them, What Do Coatings Do? <i>Paul Santerre</i>
<b>09:30 – 10:00</b> <i>30 min</i>	<b>Lecture 22</b> Update on materials used in bone regeneration in dentistry: do we have any in common? <i>Anastasia Kelekis-Cholakis</i>
<b>10:00 – 10:30</b> <i>30 min</i>	<b>Lecture 23</b> Multimodal Contrast and Embolic Material, Beyond PVA, in Benign & Malignant Disease <i>Jinzi Zheng</i>
<b>10:30 – 10:45</b>	<b>Morning Break, Poster, Sponsor and Exhibitor Viewing</b>
	<b>Session 10.1 – Paper Presentations</b> Chairmen: J. M. Bouler, S. Guelcher
<b>10:45 – 11:00</b> <i>15 min</i>	<b>Keynote No 6</b> Lateral Ridge augmentation Scott Guelcher
<b>11:00– 11:15</b> <i>15 min</i>	<b>Presentation No 18</b> Review of Poly(methyl Methacrylate) Bone Cement <i>J. M. Yang</i>
<b>11:15 – 11:23</b> <i>8 min</i>	<b>Presentation 19</b> Characterizing Accessibility of Porous Calcium Phosphate Scaffolds <i>S. Jerban, G. Baroud, M. Bohner</i>
<b>11:23 – 11:31</b> <i>8 min</i>	<b>Presentation 20</b> Biomechanical Analysis of Spinal Instrumentation Systems for Thoracolumbar Fractures: Standard Open Surgical Instrumentation vs Percutaneous Vertebral Expansion and Hybrid <i>A. Germaneau, T. Vendevre, M. Saget, P. Doumalin, J. C. Dupré, F. Brémand, F. Hesser, C. Brèque, P. Maxy, M. Roulaud, O. Monlezun, P. Rigoard</i>
<b>11:31 – 11:39</b> <i>8 min</i>	<b>Presentation No 21</b> Review of Core Decompression Treatment in Patients with Osteonecrosis of the Hip <i>J. Villa, S. Husain, A. Gianakos, J. M. Lane</i>
	<b>Session 10.2 – Paper Presentations</b> Chairmen: D. K. Filippiadis, P. I. Mallinson
<b>11:40 – 11:55</b> <i>15 min</i>	<b>Keynote No 7</b> Comparison Between Standard and Augmented Vertebroplasty in Extreme Vertebral Fractures: When Cement is Not Enough <i>D. K. Filippiadis, M. Tsitskari, L. Reppas, C. Kostantos, E. Brountzos, N. Kelekis, A. Kelekis</i>
<b>11:55 – 12:03</b> <i>8 min</i>	<b>Presentation 22</b> Osteoporotic Vertebral Compression Fractures (OVCF): Kyphoplasty or Conservative Treatment? <i>J-F. Cazeneuve</i>
<b>12:03 – 12:11</b> <i>8 min</i>	<b>Presentation No 23</b> Injectable Functionalised Self-Assembling Nano-Peptides Promote Osteogenic Differentiation of Human Mesenchymal Stem Cells (hMSCs) In Vitro <i>S. Peggrem, J. T. Triffitt, Z. Xia</i>

<b>12:11 – 12:19</b> <i>8 min</i>	<b>Presentation No 24</b> “Tuberplasty”: A New Minimally Invasive Bone Augmentation Procedure for Tibial Plateau Fractures. First Results of a Prospective Feasibility Study <i>T. Vendeuvre, L. Collet, S. Teyssedou, M. Saget, J. P. Richer, P. Pries, L. E. Gayet, P. Rigoard, C. Breque</i>
<b>12:19 – 12:27</b> <i>8 min</i>	<b>Presentation 25</b> Sustained Release of Strontium from Injectable Calcium Polyphosphate-Derived Brushite Cement Enhanced Bone Healing <i>W. P. Ren, W. Song, D. C. Markel</i>
<b>12:30 – 13:30</b>	<b>Lunch, Poster, Sponsor and Exhibitor Viewing</b>
<b>Session 11 – New Technology III</b> Chairmen: P. L. Munk	
<b>13:30 – 13:45</b> <i>15 min</i>	<b>Lecture 24</b> Disc Interventions <i>D. K. Filippiadis, Greece</i>
<b>13:45 – 14:00</b> <i>15 min</i>	<b>Lecture 25</b> Reinforced Polymer in Bone: Combining Materials <i>A. Kelekis, Greece</i> <i>S. Tutton</i>
<b>14:00</b>	<b>End of Day 3</b>