



The convention center is the **VETERANS MEMORIAL CONVENTION CENTER** and it is located at **900 Boylston Street, Boston, MA 02115, USA**



**PROGRAM OF GRIBOI 2011**



Canadian Association of Radiologists  
L'Association canadienne des radiologistes

Please note that the GRIBOI participants may be eligible to receive RCPSC MOCOMP credits. The GRIBOI 2011 is expecting CAR accredited.

**1<sup>st</sup> DAY**

**TUESDAY APRIL 5<sup>th</sup> 2011**

7.00 am- ongoing	Welcoming and Registration
8.00 am – 8.15 am	Opening
<b>KEY LECTURES</b>	<b>CHAIRMEN – Tom FACISZEWSKI &amp; Peter MUNK</b>
8.15 am + 20 min	Lecture - 1 <b>Herve DERAMOND, France</b> EVIDENCE, HISTORY, UPDATE, SOCIOECONOMICS OF VBA IN EUROPE
+20 min	Lecture - 2 <b>Ray BAKER, President of North American Spine Society (NASS), USA</b> EVIDENCE, STATUS, SOCIOECONOMICS OF VBA IN THE UNITED STATES
8:55-9:30	Breakfast / Time for discussion
<b>SESSION 1</b>	<b>VCF AND AGING SPINE</b> <b>CHAIRMEN – Fergus MCKIERNAN &amp; Richard HALL</b>
9.30 am + 20 min	Lecture - 3 <b>Mary BOUXSEIN, USA</b> BIOMECHANICS OF THE AGEING VERTEBRAL BODY
+20 min	Lecture - 4 <b>Patricia DOLAN, UK</b> BIOMECHANICS OF THE AGEING SPINE
+20 min	Lecture - 5 <b>Fergus MCKIERNAN, USA</b> THE CLINICAL VERTEBRAL FRACTURE EVENT; EPIDEMIOLOGY AND MORBIDITY

	5-minute Break
<b>SESSION 2</b>	<b>EVIDENTIARY STATUS OF VERTEBRAL AUGMENTATION: 2011</b> <i>CHAIRMEN – Joshua HIRSCH &amp; Gregg ZOARSKI</i>
10.30 am + 20 min	Lecture - 6 <b>Allan BROOK, USA</b> ANALYZING THE EVIDENCE ABSENT THE NEJM RCTS
+20 min	Lecture - 7 <b>David KALLMES, USA</b> ANALYZING THE HIGHEST LEVEL EVIDENCE: TWO BLINDED RCTS FROM THE NEJM
+20 min	Lecture - 8 <b>Christopher BONO, USA</b> RESOLVING THE DIFFERENCES BETWEEN THE OLD AND THE NEW DATA: ARE THEY REALLY SAYING DIFFERENT THINGS?
11.30 am – 12.00 pm	<b>Panel Discussion</b> <i>Moderators – Joshua HIRSCH &amp; Gregg ZOARSKI</i> C. BONO, D. KALLMES, A. BROOK
12.00 am – 12.15 pm	<b>Concluding Remarks</b> T. FACISZEWSKI
12.30 pm - 2.00 pm	Lunch / Exhibitors
<b>SESSION 3</b>	<b>BONE GRAFTING PROCEDURES</b> <i>CHAIRMEN – Christopher BONO, Hansen YUAN &amp; Jean-Michel BOULER</i>
2.00 pm – 20 min	Lecture – 9 <b>Sune LARSSON, Sweden</b> CLINICAL USE OF INJECTABLE CERAMICS IN EXTREMITIES
+20 min	Lecture – 10 <b>Marc BOHNER, Switzerland</b> CERAMIC-BASED BONE GRAFT SUBSTITUTES
2.40 pm +10 min	Selected Abstract – 1 (23) E. VERRON, B.H. FELLAH, P. JANVIER, H. LE GUEN, R. CAVAGNA, D HOLOPHERNE-DORAN, O. GAUTHIER, J.M. BOULER, France CALCIUM-DEFICIENT APATITE MICROGRANULES AND CEMENTS COMBINED WITH BUPIVACAINE: INFLUENCE ON THE DRUG RELEASE PROFILE
+10 min	Selected Abstract – 2 (4) A ROSENBERG, N.R. CAMACHO, J. CHANG, K. MURPHY, USA NOVEL BIORESORBABLE CEMENT FOR PERCUTANEOUS VERTEBRAL FRACTURE TREATMENT
+10 min	Selected Abstract – 3 (74) S. TADIER, O. MARSAN, C. REY, C. COMBES, France SETTING REACTION OF A CALCIUM PHOSPHATE - CALCIUM CARBONATE INJECTABLE CEMENT: A KINETIC STUDY
+5 min	Featured Poster – 1 (14) A. COUGHLAN, M.R. TOWLER, USA BACTERIAL INHIBITORY COATINGS BASED ON GLASS POLYALKENOATE CEMENT CHEMISTRY

+5 min	<p>Featured Poster – 2 (38)  <b>V. SCHNITZLER, F. FAYON, C. DESPAS, D. MASSIOT, A. WALCARIUS, P. JANVIER, O. GAUTHIER, G. MONTAVON, J.M. BOULER, B. BUJOLI,</b>  France  ALENDRONATE-DOPED APATITIC CEMENTS AS A POTENTIAL TECHNOLOGY FOR THE PREVENTION OF OSTEOPOROTIC HIP FRACTURES</p>
+5 min	<p>Featured Poster – 3 (63)  <b>A. GOEL, S. KAPOOR, J.M.F. FERREIRA</b>  FAST HEALING, STRONG AND RESORBABLE ALKALI-FREE PHOSPHO-SILICATE BIOGLASS GRANULES, SCAFFOLDS AND INJECTABLE COMPOSITES FOR REGENERATIVE MEDICINE</p>
3.25 pm - 4.00 pm	Coffee break / Poster session / Exhibitions
<b>SESSION 4</b>	<p><b>DRUG-LOADED GRAFTING</b>  <b>CHAIRMEN – Marc BOHNER, Bassem GEORGY &amp; Michael HOFMANN</b></p>
4.00 pm + 20 min	<p>Lecture – 11  <b>Howard SEEHERMAN, USA</b>  ROLE OF MACROPOROSITY IN DELIVERY MODALITIES FOR BMP</p>
+20 min	<p>Lecture – 12  <b>Xiaodong LI, USA</b>  SYSTEMIC INHIBITION OF SCLEROSTIN AS AN ANABOLIC APPROACH FOR OSTEOPOROSIS AND FRACTURE HEALING</p>
4.40 pm – 5.30pm +10 min	<p>Selected Abstract – 4 (16)  <b>A.W. WREN, N.M. CUMMINS, M.R. TOWLER, USA</b>  ALUMINIUM-FREE GLASS POLYALKENOATE SPINAL CEMENTS</p>
+10 min	<p>Selected Abstract – 5 (34)  <b>H. ZHANG, Zh. XIA, S. FRANKLIN, J.T. CZERNUSZKA, UK</b>  INJECTABLE POROUS MICROSPHERES FOR CONTROLLED DRUG AND CELL DELIVERY</p>
+10 min	<p>Selected Abstract – 6 (19)  <b>M. STRUNK, S. PARK, T. RICKETTS, J. CHANG, USA</b>  RATES OF GROWTH FACTOR RELEASE FROM AN INJECTABLE CARRIER OF AUTOLOGOUS BLOOD AND BONE MARROW</p>
+5 min	<p>Featured Poster – 4 (60)  <b>O. GAUTHIER, France</b>  VERTEBROPLASTY USING BISPHOSPHATE-LOADED CALCIUM PHOSPHATE</p>
+5 min	<p>Featured Poster – 5 (1)  <b>J.E. DUMAS, E.M. PRIETO, G. HOLT, J. BIBLE, S.A. GUELCHER, USA</b>  LOW POROSITY INJECTABLE BIOCOMPOSITES INCORPORATING RHBMP-2 ENHANCE BONE REMODELING IN A RABBIT FEMORAL PLUG MODEL</p>
+5 min	<p>Featured Poster – 6 (24)  <b>C. MELLIER, B.H. FELLAH, O. GAUTIER, N. ROCHET, B. BUJOLI, P. JANVIER, J.M. BOULER, France</b>  INFLUENCE OF BLOOD ADDITION ON MECHANICAL, TEXTURAL AND BIOLOGICAL OF CALCIUM PHOSPHATE CEMENT</p>
+5 min	<p>Featured Poster – 7 (70)  <b>G. CAMA, L. DI SILVIO, S. DEB, UK</b>  MACROPOROUS BRUSHITE BONE CEMENT</p>

<b>LECTURES</b>	<i>CHAIRMEN – Michael LIEBSCHNER &amp; Johannes HIERHOLZER</i>
5.30 pm +15 min	Lecture – 13 <b>Gregg ZOARSKI</b> , USA BIOMECHANICS OF VBA
+15 min	Lecture – 14 <b>Michael ADAMS</b> , UK VERTEBRAL FRACTURE AND AUGMENTATION INFLUENCE LOAD-BEARING BY NEIGHBOURING VERTEBRAE

## 2<sup>nd</sup> DAY

WEDNESDAY APRIL 6<sup>th</sup> 2011

<b>KEY LECTURES</b>	<i>CHAIRMEN – Stephan BECKER, Peter JARZEM, Bob Poser</i>
8.00 am + 15 min	Lecture – 15 <b>Rex Peters</b> , USA MARKET AND REGULATORY BURDENS IN USA
+15 min	Lecture – 16 <b>Hansen YUAN</b> , USA CONFLICT OF INTEREST, PATIENT SAFETY, AND THE REGULATORY BURDEN OUTSIDE THE UNITED STATES
+15 min	Lecture – 17 <b>Robert MITCHELL</b> , Canada INTELLECTUAL PROPERTIES IN VBA
+15 min	<b>Panel Discussion</b> <i>Moderators – TBD</i> R. Peter, H. Yuan, R. Mitchell
9:00 am – 9:30 min	Breakfast / Poster session / Exhibitions
<b>SESSION 5</b>	<b>INDUSTRIAL INNOVATION</b> <i>CHAIRMEN – Gian-Carlo ANSELMETTI, Herve DERAMOND &amp; Kieran MURPHY</i>
9:30 am + 10 min	Lecture – 18 <b>Gian-Carlo ANSELMETTI</b> , Italy SPINEALIGN AUGMENTATION SYSTEM
+10 min	Lecture – 19 <b>Sean TUTTON</b> , USA KIVA AUGMENTATION SYSTEM
+10 min	Lecture – 20 <b>TBD</b> MARROW ABLATION COMBINED WITH CEMENT AND PTH THERAPY OF UNIGENE
+10 min	Lecture – 21 <b>Johannes HIERHOLZER</b> , Germany (17) SHIELD KYPHOPLASTY SYSTEM

+10 min	Lecture – 22 <b>Stephan BECKER</b> , Austria SKELTEX ISV SYSTEM
+10 min	<b>Discussion / Take-away Message</b>
	5-minute Break
<b>SESSION 6</b>	<b>TUMOUR SESSION</b> <i>CHAIRMEN – John MATHIS , Allan BROOK &amp; Bassem GEORGY</i>
10.30 + 15 min	Lecture – 23 <b>Bassem GEORGY</b> , USA AUGMENTATION IN MALIGNANT LESIONS; IMAGING, BIOMECHANICS AND APPROACH
+15 min	Lecture – 24 <b>Peter MUNK</b> , Canada RADIOFREQUENCY ABLATION IN COMBINATION WITH CEMENT INJECTION AND TREATMENT OF MALIGNANT LESIONS
+15 min	Lecture – 25 <b>Gian-Carlo ANSELMETTI</b> , Italy AUGMENTATION OF CERVICAL MALIGNANT LESIONS
+15 min	Lecture – 26 <b>Ariel HIRSCH</b> , USA PMMA AND RADIOISOTOPES IN VBA
+15 min	Lecture – 27 <b>Kieran MURPHY</b> , Canada INNOVATIVE APPROACHES TO TUMOUR AND OLIGOMETASTIC DISEASE
+5 min	Featured Poster – 8 (18) <b>J. HIERHOLZER, TH. VOGL, R. PFLUGMACHER, M. GOUNIS, A. WAKHLOO, CH. FIEBIG, R. HAMMERSTINGL</b> , Germany REDUCED CEMENT LEAKAGE WITH DIRECTED CEMENT FLOW KYPHOPLASTY
+5 min	Featured Poster – 9 (15) <b>J. WOO, P. PEZESHKI, A.J.M. YEE, C.M. WHYNE, M.K. AKENS, E. WON, M. GOFELD</b> , Canada VALIDATION OF A NOVEL BONE TUMOR RF ABLATION SYSTEM –PHYSICS AND ANIMAL DATA
+5 min	Featured Poster – 10 (41) <b>T.S. KANEKO, V. SEHGAL, H.B. SKINNER, M.S. AL-GHAZI, B.H. HOANG, N.S. RAMSINGHANI, J.H. KEYAK</b> , USA RADIOACTIVE BONE CEMENT FOR THE TREATMENT OF VERTEBRAL METASTASES
+5 min	Featured Poster – 11 (77) <b>M.A. LOPEZ-HEREDIA, X.F. WALBOOMERS, P.C. THÜNE, F.C. ÖNER, J.A. JANSEN</b> , Netherland CALCIUM PHOSPHATE CEMENTS FOR LOCAL DELIVERY OF CHEMOTHERAPEUTICS
12:00-12:30	GRIBOI ASSEMBLY
12.30 pm – 2.00 pm	Lunch / Exhibitors
<b>SESSION 7</b>	<b>CAVITY-ASSISTED VBA</b> <i>CHAIRMEN – Hansen YUAN, Sune LARSSON &amp; Antonio KRUEGER</i>

2.00 pm + 15 min	Lecture – 28 <b>Peter JARZEM</b> , Canada KYPHOPLASTY IN CANCER PATIENTS
+15 min	Lecture – 29 <b>Antonio KRUEGER</b> , Germany KYPHOPLASTY IN TRAUMA PATIENTS
+15 min	Lecture – 30 <b>Natale FRANCAVIGLIA</b> , Italy KYPHOPLASTY USING CALCIUM-PHOSPHATE CEMENT TRAUMA PATIENTS
+5 min	Featured Poster – 12 (76) <b>R. CONNOLLY, T. MCGRATH, J. EMERY</b> , USA TREATMENT OF NON-OSTEOPOROTIC BURST-TYPE VERTEBRAL COMPRESSION FRACTURES USING A NEW PEEK IMPLANT IN COMBINATION WITH PMMA CEMENT
+5 min	Featured Poster – 13 (84) <b>M. DRAGANI, A. OCCHIOCUPO, S. FANTINI, S. MARCIA</b> , Italy NEW OSTEOCONDUCTIVE MATERIAL – CERAMENT - USED IN KYPHOPLASTY: RESULTS AT 1 YEAR
+5 min	Featured Poster – 14 (39) <b>M. MARQUEZ-MIRANDA, T.S. KANEKO, J.H. KEYAK</b> , USA A NOVEL DEVICE FOR CREATING A VOID DURING VERTEBROPLASTY FOR BONE METASTASES
+5 min	Featured Poster – 15 (64) <b>B.E. DALTON, A.C. KOHM, R.D. POSER</b> , USA COMPARISON OF RADIOFREQUENCY TARGETED VERTEBRAL AUGMENTATION (RF-TVA) TECHNIQUE VERSUS BALLOON KYPHOPLASTY IN AN EX VIVO VERTEBRAL COMPRESSION FRACTURE MODEL
+5 min	Featured Poster – 16 (56) <b>M. LORIO, M. FOWLER, D. BEALL, R. EASTLACK</b> , USA SIX MONTH RESULTS FROM A US IDE TRIAL EVALUATING THE OSSEOFIX IMPLANT FOR TREATMENT OF VERTEBRAL COMPRESSION FRACTURES
3.10 pm -3.45 pm	Coffee break / Poster session / Exhibitions
<b>SESSION 8</b>	<b>BIOMECHANICS IN VBA</b> <i>CHAIRMEN – Hassan SERHAN, Nicholas DUNNE &amp; Patricia DOLAN</i>
3.45 pm + 15 min	Lecture – 31 <b>Ruth WILCOX</b> , UK COMPUTATIONAL MODELLING FOR PRE-CLINICAL EVALUATION OF FUNCTIONAL SPINAL INTERVENTIONS: ANALYSIS OF PROPHYLACTIC VERTEBROPLASTY
+15 min	Lecture – 32 <b>Michael LIEBSCHNER</b> , USA EFFICACY OF VERTEBROPLASTY: WHY ARE WE NEGLECTING ITS BIOMECHANICS?
+10 min	Selected Abstract – 7 (28) <b>M. KINZL, A. BOGER, P.K. ZYSSET, D.H. PAHR</b> , Austria INFLUENCES OF PORE AND BONE VOLUME FRACTION ON THE MECHANICAL PROPERTIES OF STANDARD AND LOW-MODULUS PMMA/BONE BIOPSIES EXTRACTED FROM AUGMENTED VERTEBRAL BODIES

+10 min	<p>Selected Abstract – 8 (11)  <b>A. BRUNO, D. ANDERSON, J. D'AGOSTINO, M. BOUXSEIN, USA</b>  HYPERKYPHOSIS INDUCED BY VERTEBRAL FRACTURE INCREASES COMPRESSIVE LOADS ON THE VERTEBRAE MORE THAN KYPHOSIS INDUCED BY DEGENERATIVE CHANGES</p>
+10 min	<p>Selected Abstract – 9 (35)  <b>C. PERSSON, A. LÓPEZ, A. HOESS, M. OTT, H. ENGQVIST, Sweden</b>  TOWARDS LOW-MODULUS BONE CEMENTS – THE EFFECT OF A NATURAL OIL IN PMMA</p>
+5 min	<p>Featured Poster – 17 (66)  <b>S. TARSUSLUGIL, R. O'HARA, N. DUNNE, F. BUCHANNAN, J. ORR, D.C. BARTON, R.K. WILCOX, UK</b>  OPTIMISATION OF CALCIUM PHOSPHATE CEMENTS TO AUGMENT TRAUMATIC SPINAL FRACTURES USING EXPERIMENTALLY VALIDATED COMPUTATIONAL MODELS</p>
+5 min	<p>Featured Poster – 18 (21)  <b>V. BORSE, A.M. LIDDLE, N. KAPUR, J. TIMOTHY, P.A. MILLNER, R.M. HALL, UK</b>  BIPEDICULAR VERSUS UNIPEDICULAR APPROACHES IN VERTEBROPLASTY: EFFECT OF CEMENT VOLUME</p>
	5-min Break
<b>SESSION 8</b>	<b>BIOMECHANICS IN VBA</b> CHAIRMEN – <i>Mary BOUXSEIN &amp; Ruth WILCOX</i>
+15 min	<p>Lecture – 33  <b>N. DUNNE, F. BUCHANAN, R. O'HARA, J. CRAIG, UK</b>  EFFECT OF CEMENT VISCOSITY ON MECHANICAL BEHAVIOUR:  AN OSTEOPOROTIC BONE MODEL</p>
+10 min	<p>Selected Abstract – 10 (20)  <b>O. HOLUB, V. BORSE, A. LIDDLE, N. KAPUR, R.M. HALL, UK</b>  COMPARISON OF FRACTURE PREDICTION IN OSTEOPOROTIC SAMPLES</p>
+10 min	<p>Selected Abstract – 11 (72)  <b>R. LANDGRAF, J. IHLEMANN, S. KOLMEDER, A. LION, Germany</b>  THERMOMECHANICAL MODELING APPROACH FOR THE REPRESENTATION OF COUPLED CURING PROCESSES IN ACRYLIC BONE CEMENTS USED IN VERTEBROPLASTY</p>
+5 min	<p>Featured Poster – 19 (25)  <b>A.M. LIDDLE, V.H. BORSE, D.M. SKRZYPIEC, J. TIMOTHY, N. KAPUR, R.M. HALL, UK</b>  MINIMISING SUBSIDENCE IN LUMBAR TOTAL DISC REPLACEMENT THROUGH EFFECTIVE CEMENT PLACEMENT</p>

### 3<sup>rd</sup> DAY

THURSDAY APRIL 7<sup>th</sup> 2011

<b>SESSION 9</b>	<b>NON-SPINAL APPLICATION</b> CHAIRMEN – <i>Peter MUNK &amp; Sean TUTTON</i>
8.00 am – 15 min	<p>Lecture – 34  <b>John MATHIS, USA</b>  SACROPLASTY</p>

+15 min	Lecture – 35 <b>Alexis KELEKIS</b> , Greece AUGMENTATION IN THE PELVIS
+10 min	Selected Abstract – 12 (49) <b>R. PFLUGMACHER</b> , <b>R. BORNEMANN</b> , <b>T. RANDAU</b> , <b>D.C. WIRTZ</b> , Germany RADIOFREQUENCY (RF) KYPHOPLASTY IN THE TREATMENT OF OSTEOLYTIC VERTEBRAL FRACTURES
+10 min	Selected Abstract – 13 (79) <b>J.M. PERSENAIRE</b> , UK SIGNIFICANCE OF FILL PATTERNS OBSERVED WITH TWO DIFFERENT BONE AUGMENTATION MATERIALS USED IN PERCUTANEOUS VERTEBROPLASTY
+5 min	Featured Poster – 20 (40) <b>J.F. CAZENEUVE</b> , <b>Y. HASSAN</b> , <b>A. HILANEH</b> , France WHICH IS THE BEST FOR OSTEOPOROTIC VERTEBRAL COMPRESSION FRACTURES: BALLOON KYPHOPLASTY OR CONSERVATIVE THERAPY?
+ 5 min	Featured Poster – 21 (81) <b>P.E. ZOUBOULIS</b> , <b>A. VRIS</b> , <b>A. PANAGOPOULOS</b> , <b>P. SALONIKIDIS</b> , <b>M. TYLLIANAKIS</b> , Greece SAFE AND SUCCESSFUL TREATMENT OF VERTEBRAL COMPRESSION FRACTURES WITH THE OSSEOFIX™ SPINAL FRACTURE REDUCTION SYSTEM: FIRST 2 YEARS OF APPLICATION
9.00 am – 9:30 min	<b>Breakfast / Poster session / Exhibitors</b>
<b>SESSION 10</b>	<b>INTRADISCAL INJECTIONS</b> <i>CHAIRMEN – Stephan BECKER, Thomas STEFFEN</i>
9.30 am + 15 min	Lecture – 36 <b>Stephan BECKER</b> , Austria NON-SPINAL FUSION TECHNIQUES: STATUS
+ 15 min	Lecture – 37 <b>Thomas STEFFEN</b> , Canada NUCLEOPLASTY – INDICATIONS, SURGICAL CHALLENGES AND RISKS
+10 min	Selected Abstract – 14 (6) <b>E. REDERSTORFF</b> , <b>C. VINATIER</b> , <b>S. COLLIEC-JOUAULT</b> , <b>P. PILET</b> , <b>S. LAIB</b> , <b>J. GUICHEUX</b> , <b>P. WEISS</b> , France AN INJECTABLE SELF-SETTING HYDROGEL DOPED WITH AN EXOPOLYSACCHARIDE FROM MARINE ORIGIN AS A SYNTHETIC EXTRACELLULAR MATRIX FOR CARTILAGE TISSUE ENGINEERING
+10 min	Selected Abstract – 15 (26) <b>M. CLAUSS</b> , <b>H. U. FURUSTRAND</b> , <b>A. BIZZINI</b> , <b>A. TRAMPUZ</b> , <b>T. ILCHMANN</b> , Switzerland THE INFECTED BONE GRAFT IN-VITRO EVALUATION OF STAPHYLOCOCCAL BIOFILM FORMATION ON FRESH (FR), FRESH-FROZEN (FF) OR PROCESSED HUMAN (PH) AND PROCESSED BOVINE (PB) SPONGIOSA
+10 min	Selected Abstract – 16 (27) <b>S. AGRAWAL</b> , <b>V.K. SHARMA</b> , <b>S. BATRA</b> , India ROLE OF INJECTABLE BONE GRAFT SUBSTITUTE IN FUNCTIONAL OUTCOME OF DISTAL RADIUS FRACTURES
	5 min Break



<b>SESSION 11</b>	<b>BIOLOGICS AND FUNCTIONALIZATION</b> <i>CHAIRMEN – Jim TRIFFITT, Kerong DAI</i>
10.30 am + 15 min	Lecture – 38 (73) <b>Kerong DAI</b> , China A STUDY OF TITANIUM FIBER BALLS COMBINED WITH NANO-SR-HA IN THE BONE DEFECT REPAIR AND VERTEBRAL AUGMENTATION
+15 min	Lecture – 39 <b>Jim TRIFFITT</b> , UK MESENCHYMAL STEM CELLS
+10 min	Selected Abstract – 17 (5) <b>K.B. FONSECA, F.A. CRUZ, A.F. LOURENÇO, P.L. GRANJA, C.C. BARRIAS</b> , Portugal INJECTABLE ALGINATE POLYMERS FOR BONE TISSUE REGENERATION: PHYSICO-CHEMICAL PROPERTIES AND IN VITRO MESENCHYMAL STEM CELL RESPONSE
+10 min	Selected Abstract – 18 (71) <b>Zh. XIA, R. LOCKLIN, J.T. TRIFFITT</b> , UK FATE OF HUMAN MESENCHYMAL STEM CELLS IN IMMUNODEFICIENT MICE: DIFFERENTIATION OR TRANSDIFFERENTIATION?
+10 min	Selected Abstract – 19 (37) <b>M.T. SOHAIL</b> , Pakistan BONE GRAFT SUBSTITUTE -ANTIBIOTIC IMPREGNATED IN CHRONIC OSTEOMYELITIS
+5 min	Featured Poster – 22 (58) <b>H. YUAN, A. WENGER, F.PHILLIPS, S. HOCHSCHULER, U. BERLEMANN, J. MAYER</b> , USA BONEWELDING TECHNOLOGY: ENHANCED BIOMECHANICAL STABILITY FOR PEDICLE SCREWS
<b>SESSION 12</b>	<b>INJECTABLE BIOMATERIALS</b> <i>CHAIRMEN – Marc BOHNER, Christele COMBES &amp; Pierre WEISS</i>
11 .40 am + 15 min	Lecture – 40 <b>Sanjukta DEB</b> , UK CEMENTS IN ORTHOPAEDIC SURGERY
+15 min	Lecture – 41 (62) <b>P.M.C. Torres, S.M. Olhero, S. Pina, J.M.F. Ferreira</b> , Portugal INFLUENCE OF PARTICLE/AGGLOMERATE SIZE OF B–TCP ON ITS REACTIVITY AS COMPONENT FOR BRUSHITE FORMING BONE CEMENTS
+5 min	Featured Poster – 23 (57) <b>R. O'Hara, F. Buchanan, J. Orr, N. Dunne</b> , UK APPLICATION OF MARINE DERIVED COLLAGEN TO A CALCIUM PHOSPHATE CEMENT SYSTEM FOR SPINAL FRACTURE FIXATION
+5 min	Featured Poster – 24 (31) <b>G. Wynn-Jones, R.M. Shelton, M.P. Hofmann</b> , UK INJECTABILITY OF PORTLAND CEMENT FOR ORTHOPAEDIC APPLICATION BONEWELDING® TECHNOLOGY: ENHANCED BIOMECHANICAL STABILITY FOR PEDICLE SCREWS
+5 min	Featured Poster – 25 (33) <b>J.L. O'Beirne, R.L. Sammons, U. Gbureck, M.P. Hofmann</b> , UK INJECTABILITY OF ANTIBIOTIC-LOADED BRUSHITE BONE CEMENT

1:00 pm

**Concluding Remarks and Take-away Messages**