



Bone
Research Society

3rd JOINT MEETING, 27-29 JUNE 2011

www.brsoc.org.uk



British Orthopaedic
Research Society

CAMBRIDGE, UK



www.borsoc.org.uk

EXHIBITOR PROFILES

Amgen

www.amgen.com

Amgen discovers, develops, manufactures, and delivers innovative human therapeutics. A biotechnology pioneer since 1980, Amgen was one of the first companies to realize the new science's promise by bringing safe, effective medicines from lab to manufacturing plant to patient. Amgen therapeutics have changed the practice of medicine, helping millions of people around the world in the fight against cancer, kidney disease, rheumatoid arthritis, bone disease, and other serious illnesses. With a deep and broad pipeline of potential new medicines, Amgen remains committed to advancing science to dramatically improve people's lives. To learn more about our pioneering science and vital medicines, visit

Baxter

www.baxter.com

Baxter BioSurgery offers biomaterials to advance surgical procedures and improve clinical and patient outcomes.

FLOSEAL is a high viscosity gel for haemostasis - effective on both soft and hard tissues - from oozing to brisk bleeding. It works at the end of the coagulation cascade and is effective also in heparinised patients.

ACTIFUSE is a silicate substituted, calcium phosphate bone graft substitute that accelerates bone formation. It can be used in a broad range of spinal and orthopedic procedures with appropriate stabilizing hardware.

TISSUCOL/TISSEEL is a physiological fibrin sealant designed to enhance tissue healing.

TISSUDURA is a collagen biomatrix for dura regeneration that is remodeled into a living neodura within 16 weeks after implantation.

GENTAFLEECE is a gentamycin-impregnated collagen fleece to be used as a topical haemostat on larger oozings in regions with a high risk of infection.

Bose

www.bose.com

The Bose ElectroForce Systems Group is a leading supplier of materials testing and durability simulation instruments to research institutions, universities, medical device companies, and engineering companies worldwide. ElectroForce test instruments help customers design better products and get them to market faster and more efficiently. ElectroForce test instruments provide exceptional dynamic performance and precision for a variety of testing applications by using proprietary linear motor technology, including: characterization of engineered materials, soft tissue and biomaterials; fatigue testing of components used in industrial and consumer applications; and durability simulation of medical devices, including stents, endovascular grafts, and orthopaedic implants.

Eli Lilly

www.lilly.com

Eli Lilly and Company Limited is one of the world's largest research-based pharmaceutical companies, dedicated to creating and delivering innovative pharmaceutical healthcare solutions that enable people to live longer, healthier and more active lives. Our research and development efforts constantly strive to address the world's growing unmet medical needs in several different clinical areas.

For information about our products or services, please come and talk to us at the Lilly stand, or log on to the Eli Lilly website at www.lilly.com.

We look forward to meeting you.

Furlong Foundation

www.frcf.org.uk

The Furlong Research Charitable Foundation (FRCF) is a London based charity that supports a wide spectrum of research programmes within the field of Orthopaedic Science. This ranges from general scientific programmes such as Molecular Genetic & Functional Analysis of Genes Harboursing Risk for Primary Osteoarthritis to controversial areas of research such as metal-on-metal bearing surfaces.

The Foundation also organises and co-sponsors many educational events, courses and symposia to further the training of surgeons, scientists and engineers throughout the country.

GE Healthcare LUNAR

www.ge.com

GE Healthcare, Lunar is a leading densitometry equipment partner worldwide. We are dedicated to develop innovative and productive bone assessment systems to help you diagnose osteoporosis.

GE provides a complete bone densitometry product portfolio to make bone densitometry accessible to as many patients as possible. We offer high-definition technology to x-ray free fracture risk assessment....all with proven precision that is crucial for accurate patient bone assessment and treatment monitoring.

Heraeus Medical

www.heraeus-medical.com

Heraeus Medical is one of the leading companies in the field of bone cement, biomaterials and bio surgery for elective orthopaedic and trauma surgery. As a result, the company makes an essential contribution by improving the surgical outcome in bone and joint surgery leading to an improvement in the patients' health-related quality of life.

The key product PALACOS®, is regarded as the Gold Standard amongst bone cements, with a history of clinical efficacy spanning five decades. In the field of bio-surgery, Heraeus develops and offers innovative anti-infective coatings for medical implants.

Immunodiagnostic Systems (IDS)

www.idsplc.com

IDS excels at providing scientifically advanced solutions that allow laboratories to efficiently perform and confidently report results for important specialty markers in the areas of bone, cartilage, and growth.

IOF and IFCC experts recommend that s-PINP and s-CTX are used as reference analytes for bone turnover markers in observational and intervention studies. Together with the co-specific 25 Vitamin D, the s-PINP and s-CTX can be consolidated onto the automated IDS-iSYS system for a complete bone turnover and nutritional status.

Please come and visit us at the IDS stand to discuss:

- Our Vitamin D tests;
- How our bone and growth assays can support your research; and
- Specialty ELISA kits from our partners.

Instron

www.instron.com

Instron is a leading provider of testing equipment for the material testing and structural testing markets. Instron's products test the mechanical properties and performance of various materials, components and structures in a wide array of environments. A global company providing single-source convenience, Instron is a full-service materials testing company that manufactures and services testing instruments, systems, software and accessories.

Instron's proficiency in designing and building testing systems to evaluate materials ranging from the most fragile filament to advanced alloys, affords Instron's customers a comprehensive resource for all their research, quality and service-life testing requirements. Information is also available on the company's enhanced website at www.instron.com.

Materialise

www.materialise.com

Since 1990 Materialise has been dedicated to offering you a total solution for advancing your biomedical research and development. The **Mimics Innovation Suite** is a platform

That encompasses a variety of products and services tailored to challenges encountered in the biomedical field. From scan data to visualization and beyond, our solutions are powerful tools for taking your R&D to the next level.

The **Mimics Innovation Suite** is FDA 510(k) and CE approved.

Mimics and 3-matic are developed at Materialise within an ISO 9001 certified quality system or ISO 13485 for medical software.

Medtronic

www.medtronic.co.uk

Our Spinal and Biologics business is committed to advancing the treatment of spinal conditions, and as the global leader in today's Spinal and Biologics market, we lead the way in innovative solutions to treat the Spine.

A crucial element to this innovation and market leadership is that our business is committed to development of new technologies through collaboration. We work with world-renowned surgeons, researchers and other innovative partners to offer state-of-the-art products and technologies.

Orthovita UK Ltd

www.orthovita.com

Orthovita is an established leader in the product development, manufacturing and marketing of innovative Orthobiologics materials. The company portfolio includes proven safe and effective products for procedures in Spine and Orthopaedics, involving fusion, regeneration and fixation of human bone.

Vitoss® and Vitoss BA® Bone Graft Substitute has one of the most robust data packages on the market with more than 18 human clinical spine studies in over 800 patients that includes Level I Human Clinical Data.

Cortoss® Bone Augmentation Material is a bioactive augmentation material specifically licensed for vertebral augmentation and screw fixation. Cortoss® offers superior intra-operative handling due to its unique composition.

Pathway Diagnostics

www.pathwaydiagnostics.com

Pathway Diagnostics Ltd is a specialist in the field of bone, cartilage and mineral metabolism immunoassays and is the exclusive distributor in the UK and Ireland of both the MicroVue® range of Bone Marker assay kits from Quidel and Cartilage assays kits from Ibx Diagnostics.

The MicroVue® range of ELISA assays includes a highly specific Bone Alkaline Phosphatase (BAP) assay, serum Osteocalcin, Collagen Type –1 C-Terminal propeptide (CICP), DPD and Total DPD, PYD, TRAP5b, OPG, Helical Peptide and YKL-40, as well as a chromogenic Creatinine assay and other research reagents.

Ibx Diagnostics specialises in cartilage assay kits including C2C and C1,2C ELISA's for cartilage degradation (serum & urine), CPII and CS-846 ELISA's for cartilage formation (serum & urine).

Details of new products at the BRS meeting include

- TECO Sclerostin ELISA assay
- New Coll2-1 and Coll2-1NO2 Cartilage assays

Pathway Diagnostics also markets an extensive range of metabolic disease marker assays, autoimmune assays in multiplex and ELISA format, Complement test and research reagents, and multiplex human cytokine assays.

Ranier

www.ranier.co.uk

Ranier is based in Cambridge, UK and its lead product, Cadisc™ -L, is an entirely polyurethane, load sharing, replacement lumbar disc. It is designed to mimic both the functionality & biomechanics of the natural lumbar disc, providing both physiological range and physiological quality of motion. Cadisc™ -L has no articulating surfaces and no metal endplates for full MRI compatibility; the bone contacting surfaces have a Calcium Phosphate coating and ribs for fixation. Ranier is also developing an anatomical cervical disc, Cadisc™ -C which shares the kinematic & load sharing advantages of its lumbar stable mate.

Servier Laboratories

www.servier.co.uk

SkyScan/e2v

www.e2v.com

www.skyscan.be

SkyScan specializes in the development and manufacturing of X-ray microtomography (micro-CT) systems for the non-destructive investigation of an object's internal microstructure. The standard commercial microtomography systems from SkyScan today reach a spatial resolution in the submicron range. A comprehensive range of systems covering a wide range of budgets in both in-vivo and in-vitro areas is backed by a dedicated team of specialists in the applications of microCT technology in biological and other fields. SkyScan aims to bring to customers the highest possible level of support and the best instrument quality. To this end, we have a continuous development program for both our hardware and our comprehensive quantitative software analysis suite. Responding to demand from the growing community of micro-CT users, we strive to keep our research and development at the cutting edge of non-destructive 3D microscopy.

Vertec Scientific

www.vertec.co.uk

Now established in the UK for over thirty years, Vertec Scientific, based in Silchester, near Reading, is a leading distributor of world class systems for diagnostic imaging and radiotherapy in the UK. The Company's portfolio features intraoperative x-ray c-arms and DXA from Hologic, radiotherapy patient immobilisation systems from Klarity Medical, ultrasound from Siemens, portable CT from Neurologica, virtual colonoscopy and cardiology from Viatronix, radiation protection from Scanflex, Gafchromic dosimetry film, the innovative DR x-ray system Opera Swing from GMM and the newly launched, vet digital x-ray system from DRGEM Corp, plus Picsara, a highly innovative multi-image management system.

Zwick Testing

www.zwick.co.uk

Worldwide demands in the booming medical sector have resulted in the growth of more complex materials and component testing. Increasing regulations regarding certification, traceability and auditing of data have introduced additional challenges to laboratory process management. As a result, more and more companies are turning to Zwick to provide a complete solution, due to its extensive experience in the industry.

Zwick pays close attention to the market needs including the introduction of new products, applications and customer support. It welcomes co-operation between materials testing experts and medical specialists in order to provide test environments which replicate as closely as possible, conditions found in the human body.