

At the intersection of medical practitioners, materials researchers, manufacturers and marketers.

September 10-13, 2012 | Hilton North Raleigh-Midtown, NC, USA



Innovations in Biomedical Materials is a new, biennial conference for those working in the materials research, manufacturing and medical communities. This conference will specifically look at technological advancements, discuss product innovations and identify potential applications. Attendees like you will experience an innovative and sharing environment where you can network with one another, explore opportunities to partner with research organizations and manufacturing, and discuss the growing entrepreneurial side of materials in the biomedical field.



Most importantly, this conference will address these critical questions:

- What research will advance biomedical materials for tissue engineering, novel treatments and other medical applications?
- What material and product innovations are needed for the medical community to improve treatments?
- How can businesses capitalize on basic research and understand the medical community needs to shape innovative and effective new products?



Together, we will tackle these issues and you will walk away with new ideas for the ceramic and glass side of the biomedical materials industry including:

- Bioactive glass for bone augmentation
- Bone cements
- Scaffolds
- Soft tissue regeneration
- Wound treatment
- Radiation therapy



If you work in the research or business side of the biomedical materials field, **Biomaterials 2012** is designed specifically for you. Join like-minded professionals for an in-depth look into the current and future trends of the industry and how they will grow your business and change the world. Stay connected to meeting updates by joining the email list at www.ceramics.org/biomaterials2012



Meeting Co-chairs:

Steven Jung, PhD
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TRACKS:

Innovations in Biomedical Materials 2012 will emphasize collaboration between R&D, medical practitioners, and biomedical materials manufacturers/marketers to better develop emerging technologies into marketable products. Submit your abstract by **June 13, 2012** in:

Uses of Bioactive Glass in New Treatments

Novel bioactive glass forms, compositions, and microstructures focused on improving the natural healing process for treatment of any area of the body.

Track Chair: Charanpreet Bagga, Prosidyan, Inc.

Blood Vessel and Nerve Guides

Biomaterials that are used specifically for guiding vascular or nerve growth or regeneration. Insight into the environment needed for successful vascular or nerve regeneration applications.

Track Chair: Dr. Amy Harkins, St. Louis University

Three-Dimensional Scaffolds for Tissue Regeneration

Scaffolds for both segmental load bearing defects and non load bearing bone void fillers are of interest. Primarily for orthopedic, dental, and spine applications.

Track Chair: Dr. Hyun Bae, Cedar Sinai Hospital

Malleable Bone Void Fillers (Bone Cements or Putty)

Improvements in bone void filler technology or insight into the current products commercially available. This track may cover improvements in carrier technology, bone filler technology, new products, or conceptual products.

Track Chair: Dr. Greg Pomrink, NovaBone

Wound or Burn Treatment

Novel methods, dressings, or insights into effective wound healing or burn treatment. In-vitro data may be acceptable, but in-vivo animal or human data preferred.

Track Co-chairs: Dr. Luisa DePietro and Dr. Lin Chen, University of Illinois at Chicago

Surface Treatments and Coating of Titanium Implants

Surface treatment or coating technology aimed at improving the clinical outcomes of titanium implants. This track is open to all areas of clinical use including dental, orthopedic, and spine.

Track Chair: Dr. Peter Ulrich, Titan Spine

Composites

This is a general track that covers biomaterial composites for various applications.

Track Chair: Dr. Erik Erbe, NuVasive

ABSTRACT SUBMISSION INSTRUCTIONS

Visit www.ceramics.org/biomaterials2012 to review the session topics then select "Submit Abstract" to be directed to the Abstract Central website. If you have questions, please contact Marilyn Stoltz at mstoltz@ceramics.org or 614-794-5868.

Sensors

This is a general track that covers sensor technology that will be or is currently applied to improve healing.

Track Chair: Dr. Randy Avent, North Carolina State University

Biomedical Imaging

This track is to discuss specific clinical needs for advanced biomedical imaging or to showcase a new imaging technology.

Track Chair: Dr. Andy Larson, Northwestern University

Radiation Treatment

This track will focus on biomaterial radiation treatment options, current products, future products, and new areas or methods of treatment.

Track Chair: Dr. Riad Salem, Northwestern University

Hemostasis and Blood Loss Control

Hemostatic devices, advanced tourniquets, and other blood loss control technologies. Insight into current technologies and desirable future development are other acceptable topics.

Commercialization of Biomedical Implants and Devices

Proof of efficacy and safety are very challenging issues on the path of commercialization of biomedical products. Regulatory requirements, which are different from country to country, add complexity in the path to commercialization. Speakers in this track will present a recent product success story and point out key challenges on the way from the lab to the patient.

Track Chair: Markus Reiterer, Medtronic, Inc.

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"Sessions are being designed to help you make valuable contacts and to educate both the R&D and applied medical community about valuable information necessary to advance research and business. Other sessions will focus on steering R&D efforts to better develop new ideas and products for the medical industry and informing medical practitioners and manufacturers about new technologies available for limited trials and licensing."

– Ted Day, R. Ph., President, Mo-Sci Corporation

Innovations in Biomedical Materials 2012

TENTATIVE SCHEDULE

North Carolina Tissue Engineering and Regenerative Medicine Society Conference will be held on Monday, September 10, 2012 from 8:00 a.m. to 5:30 p.m. Although co-located, it is a separate conference.

Monday, September 10, 2012

Networking Reception 5:30 p.m. – 7:30 p.m.

Tuesday, September 11, 2012

Plenary Speakers 8:30 a.m. – 10:00 a.m.
 Break 10:00 a.m. – 10:30 a.m.
 Three Concurrent Sessions 10:30 a.m. – 12:00 p.m.
 Lunch with Plenary Session 12:00 p.m. – 1:30 p.m.
 Three Concurrent Sessions 1:30 p.m. – 3:00 p.m.
 Break 3:00 p.m. – 3:30 p.m.
 Three Concurrent Sessions 3:30 p.m. – 5:00 p.m.
 Poster Session and Reception 5:00 p.m. – 7:00 p.m.

Wednesday, September 12, 2012

Plenary Speaker 9:00 a.m. – 10:00 a.m.
 Break 10:00 a.m. – 10:30 a.m.
 Three Concurrent Sessions 10:30 a.m. – 12:00 p.m.
 Lunch with Plenary Session 12:00 p.m. – 1:30 p.m.
 Three Concurrent Sessions 1:30 p.m. – 3:00 p.m.
 Break 3:00 p.m. – 3:30 p.m.
 Three Concurrent Sessions 3:30 p.m. – 5:00 p.m.
 Conference Dinner 6:00 p.m. – 8:00 p.m.

Thursday, September 13, 2012

Discussion Groups – with Plenary and Invited Speakers 9:00 a.m. – 10:00 a.m.
 Break 10:00 a.m. – 10:30 a.m.
 Tutorial Sessions 10:30 a.m. – 12:00 p.m.

Hotel

Hilton North Raleigh-Midtown, 3415 Wake Forest Road, Raleigh, NC 27609
 Tel: 1-919-872-2323 Fax: 1-919-876-0890
 To reserve your room, visit www.ceramics.org/biomaterials2012.

Rates:

Single/Double - \$115	Quad - \$135
Triple - \$125	Government - \$91



600 N. Cleveland Ave., Suite 210
 Westerville, Ohio 43082 USA

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Call for Papers – Due June 13, 2012

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