



Cambridge Polymer Group

June 2013

Dr. Gavin Braithwaite, Vice President of Research, Cambridge Polymer Group, Inc., will be delivering an overview of Hydrogels for Medical Applications.

Thursday June 27th

Session I: Polymeric Hydrogels 9:00-9:30

Hydrogels for Medical Applications: Past, Present & Future

In this presentation, Gavin discusses the increased use of hydrogels in biomedical applications, outlining what they are, their properties, and why they may have value in several biomedical applications. In particular, we will focus on using hydrogels in demanding high-load applications for orthopaedics. We will discuss novel tests required to support these applications, and the intrinsic weaknesses of these materials.

Dr. Gavin Braithwaite, Vice President of Research

Gavin manages the R&D efforts at CPG. He has been working with colloids, surfaces and polymers in solution for over 20 years. He has a B.Sc. in Physics from Edinburgh University, specializing in acoustics and fluids, a Masters in Electronics from Southampton University, specializing in digital radio communication strategies, and a Ph.D. in Chemical Engineering from Imperial College (London), where he worked on adsorbed polymer layers and colloidal stability. For this

InnoPlast Solutions Conference

<http://www.mediplastconference.com>

Emerging Trends in Polymers & Plastics in Medical Devices

June 26-28, 2013

San Francisco, CA

Marriott Marquis

The theme for this year's 2-day conference on "Polymers & Plastics in Medical Devices" is to bring the participants up to speed on the newest trends and technical advances in the field of Medical Devices as it relates to Polymeric Materials

work, he built and used an AFM to probe the interparticle forces due to adsorbed polymer layers. He is an expert in instrument design, having designed an atomic force microscope for his thesis and a number of custom instruments since joining CPG. He also designed a micro-shear rheometer as part of his post-doctoral research at MIT, where he investigated the rheology of confined polymer solutions and melts. He has a number of issued patents on topics as diverse as an extensional rheometer (now marketed as the CaBER), a method for making biomimetic collagen layers, and on methods for making, and uses for, hydrogels. At Cambridge Polymer Group, he is managing the main research efforts. Gavin has expertise in polymer gel formulation and characterization, and focuses a large part of his research on associating polymer systems. His primary interest is polymers in solution and in colloidal systems.

Cambridge Polymer Group is your premier contract research resource solving problems with our multi-disciplinary research team and full service laboratory. We provide routine analytical testing on materials, custom test design, consultation, and out-sourced assistance for translational research. We assist clients in developing new materials, design of prototypes for proof-of-concept studies, experimental design and data collection for patents and fund-raising, assistance with 510K approvals, and development of new materials for targeted applications. For problem-solving with your materials, we are a full-service, ISO 9001 certified CRO.

Cambridge Polymer Group, Inc. is an ISO 9001:2008 certified contract research laboratory specializing in polymeric materials. We provide routine analytical testing on materials, custom test design, failure analysis, consultation, instrumentation, custom polymer and hydrogel formulation, and out-sourced research.

Cambridge Polymer Group
56 Roland Street, Suite 310
Boston, MA 02129
617.629.4400 (office)
617.629.9100 (fax)

info@campoly.com www.campoly.com

This email was sent by info@campoly.com.

You are receiving this newsletter because you have worked with or expressed interest in Cambridge Polymer Group in the past. If you would like to be removed from this mailing list, please send an email with "Unsubscribe" in the subject line [here](#) .

Your information is held private and is not shared with any third parties.

6/25/2013
