



iBrain's Seminar

Friday, March 22th – from 11h am to noon

Faculty of Medicine – Meeting Room 3rd Floor

Prof. Mark A. Borden

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Microbubble pharmacokinetics: Effect of size, dose and PEGylation

Borden's laboratory investigates the science and engineering of microbubbles, nanodrops and other colloidal suspensions for use in biomedical imaging and therapy. Current applications include ultrasound molecular imaging, ultrasound image-guided drug delivery and oxygen delivery. His research group also focuses on molecular-level details of interfacial transport phenomena related to our engineered colloids.

His laboratory develops medical technology to aid in the diagnosis and treatment of diseases, such as acute respiratory distress syndrome (ARDS), heart disease and cancer. He has spun out two companies (Respirogen Inc. and Advanced Microbubbles LLC) to commercialize this technology and translate it to hospitals and clinics.

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