SOCIÉTÉ CHIMIQUE DE GENÈVE

Gas microbubbles and ultrasound: From diagnostic imaging to therapy

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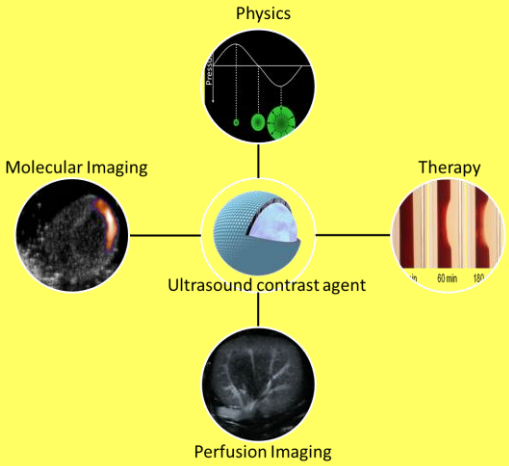
Ultrasound imaging has seen tremendous technological improvements over the last 15 years mainly thanks to rapid developments in digital electronics. In parallel, the introduction of ultrasound contrast agents (UCA) more than 20 years ago prompted tremendous research efforts by clinicians, scientists and manufacturers, and positively influenced the development of ultrasound imaging. It has made contrast-enhanced ultrasound (CEUS) a serious competitor with other imaging modalities, like CT and MR, for which contrast agents have been used for years.



This lecture will address various aspects pertaining to the i) ultrasound contrast agent formulation ii) physical aspects of these agents iii) diagnostic imaging as well as iv) new developments toward molecular imaging and therapeutic applications. This will highlight the multidisciplinary context of this technology.

Conférence présentée le

LUNDI 24 FÉVRIER 2014 à 17h30

Université de Genève – Bâtiment Sciences II
Auditoire A. Pictet – A100
30, quai Ernest-Ansermet, Genève

La conférence est publique

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