

Prof. [Caroline Boudoux](#)

Professor, Laboratory of Optical Diagnoses and Imagery, Polytechnique Montréal, Canada



Caroline Boudoux obtained her PhD in 2007 from the Harvard-MIT Division of Health Sciences and Technology (USA) in biomedical optics. After a post-doctoral fellowship at Ecole Polytechnique (France), she joined the Engineering Physics department of Polytechnique Montréal (Canada). Caroline Boudoux has been the head of the Laboratory of Optical Diagnoses and Imagery at Polytechnique Montréal since 2008. She focuses on the development of new imaging modalities and their clinical translation, and is specialized in the use of fibre-optic components for non-invasive observation of internal organs. All of Professor Boudoux's work employs photonics, and encompasses optical coherence tomography, endoscopy, optical machining, non-linear microscopy, and confocal microscopy. Rookie entrepreneur, she also co-founded Castor Optics, Inc., a start-up commercializing double-clad fiber couplers.

Keynote Talk title: *Biomedical optics and recent advances in imaging modalities*