

# AVVISO DI SEMINARIO

**Prof. Qian Cheng**

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## *Biomolecular and disease evaluation with photoacoustic technique*

In situ and in vivo biomolecular detection is still a difficult problem, which induces uncertainty in the diagnosis of cancer and other diseases. Photoacoustic technology is a new type of biological imaging technique that can identify molecular and microstructure information. It also has advantages such as deep penetration, non-ionizing radiation, and non-invasive. In this talk, Prof. Cheng will give the brief introduction about her studies on detection of various tumors, osteoporosis, myocardial infarction and cerebrovascular diseases with photoacoustic technology. Her work has been published more than 50 peer review papers in IEEE TMI, Photoacoustics, BOE, etc., and one of them was selected by Photoacoustics as the only Highlighted Article in 2022. Besides, she also contribute to some book chapters and 20+ licensed patents.

**Venerdì 14 OTTOBRE 2022 : ore 15.00**

**Aula Seminari del Dipartimento SBAI – Pal. RM004**

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