



UNIVERSITA' DEGLI STUDI DI PAVIA

*DOTTORATO DI RICERCA IN FISICA*

## COLLOQUIA 2020/2021

**Giovedì 4 Marzo 2021, ore 16  
Online su Zoom\***

### **Biomedical Applications of Magnetic Nanoparticles**

**Quentin Pankhurst**  
*University College London, UK*

**Abstract:** 'Healthcare Biomagnetics' – the sensing, moving and heating of magnetic nanoparticles in vitro or in the human body – offers the potential for safe and convenient alternatives for many therapeutic and diagnostic applications. This is leading to the development of products such as remote sensors, mechanical actuators, and therapeutic heat sources. In this lecture a selection of recent examples will be presented and discussed.

\*The link Zoom will be sent by email to all people belonging to the Physics Department and INFN Pavia. Other interested people should register before 02/03/2021 at this link:

<https://forms.gle/UkdwiNAHYMu5LUVQA>

