



Title:	<i>“Models” in biomedical physics and radiation protection research: from in vitro cell systems to population studies</i>
Lecturers:	Nicoletta Protti, Giorgio Baiocco + invited lecturers
Duration:	One-week intensive course, approx. 40 hours
CFU:	4 (if considered as a course), 5 if a school
Period:	Second half - June 2025 (indicative weeks: 16-20 or 23-27)
Content:	Topics covered (lectures and hands-on sessions): <ul style="list-style-type: none">● standard in vitro cell cultures● organoids and 3D tissue replicas, including bioprinting● microfluidics applications and organ-on-a-chip systems● in vivo models● population studies, clinical trials and radiation epidemiology● focus on breast cancer (imaging and therapy)
Notes	The detailed programme of the course will be available early 2025, after the outcome of the application for funds to organize training courses in the framework of the PIANOFORTE partnership for Radiation Protection research (https://pianoforte-partnership.eu/)