UNIVERSITÀ DEGLI STUDI FIRENZE | Dipartimento di Medicina Sperimentale e Clinica

Master di II° livello in
**Broncoscopia e Pneumologia Interventistica**
Anno accademico 2025/26
Coordinatore Prof. **Lorenzo Corbetta**
Direttore Programma di Formazione in Pneumologia Interventistica
Azienda Ospedaliero Universitaria Careggi

# WORKSHOP

# Artificial Intelligence in IP: international cooperation between Europe and Asia

**In collaboration with the**
**Master's Degree on Bronchoscopy and Interventional Pulmonology**
**and the International Affair Office of the Experimental and clinical Medicine Department – University of Florence**

## Florence, 19th of December 2025 at 14.30

**The Social Hub Florence Belfiore**
**Viale Belfiore, 55, 50144 Firenze FI**

# Introduction

Artificial Intelligence (AI) is transforming medicine into a new era of precision, efficiency, and collaboration. Once a theoretical field of computer science, AI now stands at the core of global medical innovation, reshaping how physicians diagnose, treat, and learn.

This international workshop brings together experts and institutions from **China, the United Arab Emirates, India, and Europe** to discuss the rapidly evolving role of AI in healthcare and, in particular, in **interventional pulmonology**. From early algorithms to today's advanced deep-learning models, AI has matured into a powerful ally capable of enhancing clinical performance and supporting decision-making in real time.

In respiratory medicine, these technologies are revolutionizing lung cancer screening, bronchoscopic navigation, and mediastinal lymph node assessment. Automated image interpretation, AI-driven simulators, and robotic-assisted procedures are making complex interventions safer and more precise, while immersive virtual and augmented reality tools are transforming medical training across continents.

The purpose of this workshop, delivered in hybrid mode from the Master's location in Florence, is to share scientific evidence, technical innovation, and educational strategies in a spirit of **international cooperation**. By combining diverse perspectives and experiences, we aim to build a common vision of how human expertise and artificial intelligence can jointly advance **patient care and medical education** worldwide.

Welcome to this global dialogue on the future of intelligent medicine.

# PROGRAM

*Chairmen:*
***Piero Candoli (Bologna) – Tudor Toma (London)***

**14.30:**
***AI in the diagnostic pathway of lung cancer***
*Lorenzo Corbetta (Florence)*

**14.45:**
***AI in Emirates***
*Trilok Chand (Abu Dhabi)*

**15.00:**
***AI in China***
*Yishi Li (Chongqing) presented by Guo Shuliang*

**15.15:**
***AI in India***
*Hari Kishan Gonuguntla (Hyderabad)*

**15.30:**
***AI for training***
*Tudor Toma (London)*

**15.45:**
***Discussion***
*Thomas Galasso (Bologna);*
*Filippo Lanfranchi (Venezia);*
*Master participants*

**16.00:**
**Greetings and see you at the Master 2026**

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