Presentation of Guido Marchi, a PhD student from University of Pisa

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Brief presentation:
I am a medical doctor and pulmonologist at the University Hospital of Pisa, Italy, with dual Italian–Canadian citizenship. I hold second-level Master's degrees in Bronchoscopy and Interventional Pulmonology (University of Florence) and in Methodology of Research and Clinical Experimentation (University of Pisa). I am currently pursuing a PhD in Clinical Physiopathology at the University of Pisa.

My clinical and research activity focuses on thoracic imaging, thoracic ultrasound, pleural diseases, interventional pulmonology, drug-induced interstitial lung diseases, thoracic oncology, and the integration of artificial intelligence into respiratory medicine to enhance diagnostic accuracy and clinical decision-making.

At the international level, I serve as the Early Career Member Representative for Assembly 14 (Clinical Techniques, Imaging and Endoscopy) of the European Respiratory Society (ERS) for the 2025–2028 term, contributing to scientific programme development and strategic planning in respiratory medicine. I also serve as Early Career Representative for the ERS Clinical Research Collaboration (CRC) Working Group and for the ERS Monograph, supporting multicentre

research coordination and editorial direction.

Within the American Thoracic Society (ATS), I am a member of the Documents Development and Implementation Committee (2025–2026), contributing to the evaluation and methodological review of ATS clinical guidelines, and I serve on the ATS Task Force on Artificial Intelligence, focused on the ethical and clinically meaningful implementation of AI in respiratory care.

Nationally, I serve as National Secretary of the Imaging Study Group of the Italian Respiratory Society (SIP-IRS), coordinating scientific activities and education programmes, and I am Scientific Director of the Italian Congress of Imaging in Pulmonology.

I am the author of multiple peer-reviewed publications and a regular speaker and chair at national and international conferences. My PhD work specifically focuses on immune checkpoint inhibitor-related pneumonitis in lung cancer patients, with an emphasis on real-world incidence, clinical–radiological phenotyping, and comprehensive multidimensional assessment, integrating imaging, clinical biomarkers, and treatment response trajectories. My broader research explores advancements in thoracic ultrasound and imaging-based decision support, and the clinically integrated application of artificial intelligence in respiratory medicine.

I am an active member of leading professional societies, including the European Respiratory Society (ERS), the American Thoracic Society (ATS), the World Association for Bronchology and Interventional Pulmonology (WABIP), the Italian Respiratory Society (Società Italiana di Pneumologia – SIP/IRS), the Italian Society of Thoracic Endoscopy (Società Italiana di Endoscopia Toracica – SIET), and the Italian Society of Artificial Intelligence in Medicine (Società Italiana di Intelligenza Artificiale in Medicina – SIIAM).

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