

Sara Pilotto, M.D., Ph.D.

Assistant Professor in Medical Oncology, Department of Medicine, University of Verona

Education and Professional Experience

- 2003/4 – 2008/9: Degree course in Medicine and Surgery at University of Verona (Italy)
 - 2007 – 2009: Internal Student in Medical Oncology, University of Verona (Italy), Director Prof. Gianluigi Cetto.
 - March - October 2009: Pre-doctoral Fellow at Department of Immunology (Director Prof. M. Colombatti), University of Verona. Experiences in molecular biology, cell cultures, *in vivo* models (xenografts).
 - October 15, 2009: Degree in Medicine and Surgery with Full Marks and Honors (110/110 cum laude) at University of Verona (Italy). Experimental thesis: *PSMA (prostate specific membrane antigen) e mesotelina: approcci innovativi di immunotargeting in neoplasia solide umane*". Chairman: Prof. Gianluigi Cetto.
- February 2010: Italian Medical License Exam (IMLE) at University of Verona (Italy)
- From May 2010 to May 2015: Medical Oncology Residency in Medical Oncology, University of Verona (Italy), Director Prof. Giampaolo Tortora.
 - June 10, 2015: Specialistic Degree in Medical Oncology with Full Marks and Honors (70/70 cum laude) at University of Verona (Italy). Experimental thesis: *Molecular characterization of advanced EGFR mutant lung adenocarcinoma with Next-Generation Sequencing and Digital PCR: correlation with activity and efficacy of gefitinib*. Chairman: Prof. Giampaolo Tortora.
- From April 2015 to February 2016: professional experience at the Instituto Oncologico Dr. Rosell - Hospital Universitario Quiron Dexeus (Barcelona) about the preclinical and translational aspects of lung cancer research.
- From October 2015 to October 2018: PhD program in Inflammation, Immunity and Cancer. Project title: *Genetic, epigenetic and micro-environmental markers as predictors of prognosis, response and resistance to chemotherapy, targeted agents and immunotherapy in resected squamous cell lung carcinoma*.
 - May 22, 2019: PhD in Inflammation, Immunity and Cancer at University of Verona (Italy)
- From December 2016: Academic Researcher in Medical Oncology (University of Verona)

National Academic Qualification as Associate Professor, Disciplinary Sector MED06/D3 – Blood Diseases, Oncology and Rheumatology [Validity: 31/10/2018 – 31/10/2024 (art. 16, comma 1, law 240/10)]

Personal Skills and Competences

Research Activity and Bibliometric Indicators

131 peer reviewed articles (PubMed) and 1 book chapter.

H-index: 24 (Scopus)

Total citations: 1952 (Source: Scopus)

Main Areas of Research

- Translational research in the context of lung cancer, particularly exploring the mechanisms of sensitivity/resistance to chemotherapy, targeted therapy and immunotherapy.
- Comprehensive approach to cancer patients, with a specific focus on nutrition, physical activity and psychological aspects.
- Methodology of clinical trials in both the clinical and the translational setting.
- Clinical research in the context of lung cancer, participating to the clinical development of different agents in phase I, II, III and IV clinical trials (as principal investigator or sub-investigator).
- Building and validation of prognostic/predictive models integrating clinical and genomic/immunological biomarkers in lung cancer.

Academic Appointments

- 2016 – present: Professor for teaching activities in Clinical approach to cancer patient (elective course) - Combined Bachelor's + Master's degree in Medicine and Surgery, University of Verona (Italy)
- 2016 – present: Professor for teaching activities in Medical Oncology - Postgraduate Specialisation in Medical Oncology, University of Verona (Italy)
- 2017 – present: Professor for teaching activities in Assessment and symptoms management in palliative care (Advanced methods of assessment, prevention and assistance to the family and to the communities) - Master's degree in Nursing and Obstetrics, University of Verona (Italy)
- 2018 – present: Professor for teaching activities in Medical Oncology (Clinical nursing care in medical area) - Bachelor's degree in Nursing, University of Verona (Italy)
- 2019 – present: Coordinator of the course Clinical nursing care in medical area - Bachelor's degree in Nursing, University of Verona (Italy)
- 2020 – present: Professor for teaching activities in Opportunities and challenges of new therapies in lung cancer - PhD program in Inflammation, Immunity and Cancer, University of Verona (Italy)

Research Projects

- Co-investigator in the Italian Association for Cancer Research (AIRC), Investigator Grant 2017 n° 20583: *RICTOR/mTOR and FGFR/FRS2 as drivers of prognosis and potential therapeutic targets in squamous cell lung cancer*. P.I. Prof. Emilio Bria
- Cariverona Project 2018: *Analysis and characterization of myeloid cells in solid and hematologic malignancies*. Coordinator Prof. Vincenzo Bronte
- Cariverona Project 2015.0872: *Predictive and diagnostic biomarkers in neoplastic, inflammatory and neurodegenerative diseases*. Coordinator Prof. Giampaolo Tortora
- Co-investigator in the Italian Association for Cancer Research (AIRC), My First AIRC Grant 2013 n° 14282: *Prognostic relevance of potentially druggable driving molecular pathways for resected squamous cell lung carcinoma*. P.I. Prof. Emilio Bria

Prizes and Awards

- 2015 - Winner of the International Association for the Study of Lung Cancer (IASLC) Fellowship Award. Project title: *Immune checkpoint inhibitor and driving gene mutations as outcome predictors for resected squamous cell lung carcinoma*.

Presentations in Congresses

Several abstracts and posters presented at international and national oncology meeting.

Speaker in more than 40 national and international congresses. Among them:

- IASLC World Conference on Lung Cancer 2019 Invited Discussant MA07 - *Clinical Questions and Potential Blood Markers For Immunotherapy*. Barcelona, September 7 - 10, 2019
- IASLC World Conference on Lung Cancer 2017 MA.01 SCLC - Research Perspectives. *Lanreotide Maintenance in SCLC Expressing Somatostatin Receptors: Efficacy Results of Multicenter Randomized G04.2011 Trial*. Tokyo, October 15 - 18 2017
- IASLC World Conference on Lung Cancer 2016 OA06.06 - *Druggable Alterations Involving Crucial Carcinogenesis Pathways Drive the Prognosis of Squamous Cell Lung Carcinoma (SqCLC)*. Vienna December 4 - 7 2016
- 11th Congress on Lung Cancer by SLCG (Spanish Lung Cancer Group). Barcelona, November 26 - 27 2015

Expert Panel Member

- 2019 – present: member of Lung cancer Guidelines Experts Panel of Italian Association of Medical Oncology (AIOM).
- 2019 – present: ESMO faculty member for the ESMO Press & Media Affairs Committee.
- 2021 – present: ESMO faculty member for the Non-Metastatic NSCLC and other Thoracic Malignancies faculty group.
- 2019: Reviewer Projects and/or Research Grants for IASLC (International Association for the Study of Lung Cancer).
- IASLC 2020 WCLC - Program Committee Member.
- Member of the ESMO Leadership Program 2019.
- 2015 – present: member of the EORTC Lung Cancer Young Investigator.

Editorial Activity

Reviewer for several Peer-Reviewed journals:

Lancet Respiratory Medicine, Critical Reviews in Oncology/Haematology, Journal of Immunotherapy of Cancer, Therapeutic Advances in Medical Oncology, Immunotherapy, Expert Opinion on Biological Therapy, Targeted Oncology, Plos One, The International Journal of Biological Markers, Translational Lung Cancer Research, Tumori Journal, Cancer Medicine, BMJ Open, BMC Immunology, Lung Cancer, Expert Review of Anticancer Therapy, Oncoimmunology.

- 2020 – present: Editorial Board Member of Frontiers in Oncology for “Thoracic Oncology” specialty section as Associate Editor.
- 2021 – present: Editorial Board Member of Expert Review of Anticancer Therapy.

Autorizzo il trattamento dei miei dati personali presenti nel cv ai sensi dell'art. 13 del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali" e dell'art. 13 del GDPR (Regolamento UE 2016/679) autorizzo la pubblicazione nella banca dati dell'area tematica ECM del portale della Regione del Veneto

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