Curriculum Vitae

REBECCA SENETTA

(April 2023)

# Personal details

Born in 1979

Nationality: Italy

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# Educations

# 2005 General Medicine - Medical doctor University of Turin, Italy

# 2011 Surgical Pathology – Postgraduate School University of Turin, Italy

# 2016 Human Oncology – PhD University of Turin, Italy

# Professional experiences and current position

December 2022-to date: Associate Professor at the University of Turin, Department of Oncology, Pathology Unit at Città della Salute e della Scienza of Turin, Italy

December 2019-December 2022: Research at the University of Turin, Department of Oncology, Pathology Unit at Città della Salute e della Scienza of Turin, Italy

April 2017-December 2019: Medical Doctor – Surgical Pathology - Città della Salute e della Scienza of Turin, Italy

February 2014-April 2017: Medical Doctor – Surgical Pathology - IRCCS, Candiolo, Turin, Italy

August 2011-October 2011: Observership at Department of Pathology, Memorial Sloan-Kettering Cancer Center, 1275 York Ave, New York, USA

January 2011-March 2011: training on dermatopathology at University of Florence, Italy

# Participation to Directive Boards of Scientific Societies and/or Institutions:

January 2020-to date: Surgical Pathology Area Coordinator - Italian Melanoma Intergroup

Member of the Società Italiana di Anatomia Patologica e Citologia (SIAPEC)

# Honors

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# Teaching activity:

AA 2019-today: Teaching activity in Surgical Pathology at the Medical School, University of Turin, Turin, Italy

AA 2019-today: Teaching activity in Anatomic Pathology and Diagnostic at the Biomedical Laboratory Techniques School, University of Turin, Turin, Italy

AA 2019-today: Teaching activity in Skin Pathology for the Postgraduate School in Surgical Pathology and in Dermatology and Venereology

2011-to date: tutor for Undergraduate Students of Medicine, trainees in Surgical Pathology Unit

# Research main topics

Subjects: Pathological Anatomy and Histology; Skin Pathology; Anal Cancer.

My field of interest is mainly focused on translational studies of histology, immunohistochemistry and molecular pathology applied to dermatopathology, both in melanomas and non-melanoma skin cancers.

In the Department of Oncology, I work in collaboration with basic science researchers in order to obtain a multidisciplinary approach to skin cancers pathogenesis, progression and treatment.

***Main projects as PI***

2020: Rete Oncologica del Piemonte e della Valle d’Aosta - “Valutazione del profilo immunologico mediante tecnologia nanostring di melanomi primitivi cutanei con regressione istologica”.

2012: Triennal Fellowship-FIRC 2011 – Fondazione Italiana per la Ricerca sul Cancro (FIRC) - “Lung and melanoma metastases to brain: searching for signatures with a focus on the role of Caveolin-1”.

***Bibliometry (2008-present)*** ([*www.scopus.com*](http://www.scopus.com))

h-index (sec. Scopus): 19

Citations: 2035

***Pubblications***

***Best publications***

- Gibello L, D'Antico S, Salafia M, **Senetta R**, Pomatto MAC, Orlando G, Sarcinella A, Lopatina T, Quaglino P, Lorenzi M, Verzini F, Camussi G, Brizzi MF. First pilot case-control interventional study using autologous extracellular vesicles to treat chronic venous ulcers unresponsive to conventional treatments. Pharmacol Res. 2023 Apr;190:106718. doi: 10.1016/j.phrs.2023.106718.

- Yakymiv Y, Marchisio S, Ortolan E, Bracci C, **Senetta R**, Rumore MR, Tampieri C, Fia M, Ribero S, Funaro A, Quaglino P. CD39/CD73 dysregulation and adenosine metabolism contribute to T-cell immunosuppression in patients with Sézary syndrome. Blood. 2023 Jan 5;141(1):111-116. doi: 10.1182/blood.2022017259.

- Verginelli F, Pisacane A, Gambardella G, D'Ambrosio A, Candiello E, Ferrio M, Panero M, Casorzo L, Benvenuti S, Cascardi E**, Senetta R**, Geuna E, Ballabio A, Montemurro F, Sapino A, Comoglio PM, Boccaccio C. Cancer of unknown primary stem-like cells model multi-organ metastasis and unveil liability to MEK inhibition. Nat Commun. 2021 May 3;12(1):2498. doi: 10.1038/s41467-021-22643-w.

- Gambella A, **Senetta R**, Collemi G, Vallero SG, Monticelli M, Cofano F, Zeppa P, Garbossa D, Pellerino A, Rudà R, Soffietti R, Fagioli F, Papotti M, Cassoni P, Bertero L. NTRK Fusions in Central Nervous System Tumors: A Rare, but Worthy Target. Int J Mol Sci. 2020 Jan 23;21(3):753. doi: 10.3390/ijms21030753.

- Scarisbrick JJ, Quaglino P, Prince HM, Papadavid E, Hodak E, Bagot M, Servitje O, Berti E, Ortiz-Romero P, Stadler R, Patsatsi A, Knobler R, Guenova E, Child F, Whittaker S, Nikolaou V, Tomasini C, Amitay I, Prag Naveh H, Ram-Wolff C, Battistella M, Alberti-Violetti S, Stranzenbach R, Gargallo V, Muniesa C, Koletsa T, Jonak C, Porkert S, Mitteldorf C, Estrach T, Combalia A, Marschalko M, Csomor J, Szepesi A, Cozzio A, Dummer R, Pimpinelli N, Grandi V, Beylot-Barry M, Pham-Ledard A, Wobser M, Geissinger E, Wehkamp U, Weichenthal M, Cowan R, Parry E, Harris J, Wachsmuth R, Turner D, Bates A, Healy E, Trautinger F, Latzka J, Yoo J, Vydianath B, Amel-Kashipaz R, Marinos L, Oikonomidi A, Stratigos A, Vignon-Pennamen MD, Battistella M, Climent F, Gonzalez-Barca E, Georgiou E, **Senetta R**, Zinzani P, Vakeva L, Ranki A, Busschots AM, Hauben E, Bervoets A, Woei-A-Jin FJSH, Matin R, Collins G, Weatherhead S, Frew J, Bayne M, Dunnill G, McKay P, Arumainathan A, Azurdia R, Benstead K, Twigger R, Rieger K, Brown R, Sanches JA, Miyashiro D, Akilov O, McCann S, Sahi H, Damasco FM, Querfeld C, Folkes A, Bur C, Klemke CD, Enz P, Pujol R, Quint K, Geskin L, Hong E, Evison F, Vermeer M, Cerroni. The PROCLIPI international registry of early-stage mycosis fungoides identifies substantial diagnostic delay in most patients. Br J Dermatol. 2019 Aug;181(2):350-357. doi: 10.1111/bjd.17258.

- Isella C, Brundu F, Bellomo SE, Galimi F, Zanella E, Porporato R, Petti C, Fiori A, Orzan F, **Senetta R**, Boccaccio C, Ficarra E, Marchionni L, Trusolino L, Medico E, Bertotti A. Selective analysis of cancer-cell intrinsic transcriptional traits defines novel clinically relevant subtypes of colorectal cancer. Nat Commun. 2017 May 31;8:15107. doi: 10.1038/ncomms15107.

- Gammaitoni L, Giraudo L, Macagno M, Leuci V, Mesiano G, Rotolo R, Sassi F, Sanlorenzo M, Zaccagna A, Pisacane A**, Senetta R**, Cangemi M, Cattaneo G, Martin V, Coha V, Gallo S, Pignochino Y, Sapino A, Grignani G, Carnevale-Schianca F, Aglietta M, Sangiolo D. Cytokine-Induced Killer Cells Kill Chemo-surviving Melanoma Cancer Stem Cells. Clin Cancer Res. 2017 May 1;23(9):2277-2288. doi: 10.1158/1078-0432.CCR-16-1524.

- Stella GM**, Senetta R**, Inghilleri S, Verdun di Cantogno L, Mantovani C, Piloni D, Scudeller L, Meloni F, Papotti M, Ricardi U, Cassoni P. MET mutations are associated with aggressive and radioresistant brain metastatic non-small-cell lung cancer. Neuro Oncol. 2016 Apr;18(4):598-9. doi: 10.1093/neuonc/nov325.

- Isella C, Terrasi A, Bellomo SE, Petti C, Galatola G, Muratore A, Mellano A, **Senetta R**, Cassenti A, Sonetto C, Inghirami G, Trusolino L, Fekete Z, De Ridder M, Cassoni P, Storme G, Bertotti A, Medico E. Stromal contribution to the colorectal cancer transcriptome. Nat Genet. 2015 Apr;47(4):312-9. doi: 10.1038/ng.3224.

- Massi D, Tomasini C, **Senetta R**, Paglierani M, Salvianti F, Errico ME, Donofrio V, Collini P, Tragni G, Sementa AR, Rongioletti F, Boldrini R, Ferrari A, Gambini C, Montesco MC. Atypical Spitz tumors in patients younger than 18 years. J Am Acad Dermatol. 2015 Jan;72(1):37-46. doi: 10.1016/j.jaad.2014.09.049.

***More relevant pubblication in the last 5 years – focus on dermatopathology (2018-2022)***

- Santoro F, Maletta F, Parente R, Fissore J, Tampieri C, Santoro L, Birocco N, Picciotto F, Quaglino P, Volante M, Asioli S, **Senetta R**, Papotti M. Clinical-Pathological Evaluation and Prognostic Analysis of 228 Merkel Cell Carcinomas Focusing on Tumor-Infiltrating Lymphocytes, MCPYV Infection and ALK Expression. Endocr Pathol. 2022 Jun;33(2):289-303. doi: 10.1007/s12022-022-09716-2.

- Roccuzzo G, Giordano S, Avallone G, Rubatto M, Canonico S, Funaro A, Ortolan E**, Senetta R**, Fava P, Fierro MT, Ribero S, Quaglino P. Sézary Syndrome: Different Erythroderma Morphological Features with Proposal for a Clinical Score System. Cells. 2022 Jan 20;11(3):333. doi: 10.3390/cells11030333.

- Cappellesso R, Nozzoli F, Zito Marino F, Simi S, Castiglione F, De Giorgi V, Cota C, **Senetta R**, Scognamiglio G, Anniciello AM, Cesinaro AM, Mandalà M, Gianatti A, Valente MG, Valeri B, Sementa AR, Ricci C, Corti B, Roviello G, Dei Tos AP, Franco R, Massi D. NTRK Gene Fusion Detection in Atypical Spitz Tumors. Int J Mol Sci. 2021 Nov 15;22(22):12332. doi: 10.3390/ijms222212332.

- Tonella L, Pala V, Ponti R, Rubatto M, Gallo G, Mastorino L, Avallone G, Merli M, Agostini A, Fava P, Bertero L, **Senetta R**, Osella-Abate S, Ribero S, Fierro MT, Quaglino P. Prognostic and Predictive Biomarkers in Stage III Melanoma: Current Insights and Clinical Implications. Int J Mol Sci. 2021 Apr 27;22(9):4561. doi: 10.3390/ijms22094561.

- Elefanti L, Zamuner C, Del Fiore P, Stagni C, Pellegrini S, Dall'Olmo L, Fabozzi A**, Senetta R**, Ribero S, Salmaso R, Mocellin S, Bassetto F, Cavallin F, Tosi AL, Galuppini F, Dei Tos AP, Menin C, Cappellesso R. The Molecular Landscape of Primary Acral Melanoma: A Multicenter Study of the Italian Melanoma Intergroup (IMI). Int J Mol Sci. 2021 Apr 7;22(8):3826. doi: 10.3390/ijms22083826.

- Mandalà M, Galli F, Patuzzo R, Maurichi A, Mocellin S, Rossi CR, Rulli E, Montesco M, Quaglino P, Caliendo V, De Giorgi V, Merelli B, Caracò C, Piazzalunga D, Labianca A, Ribero S, **Senetta R**, Gianatti A, Valeri B, Massi D, Ascierto PA, Santinami M; Italian Melanoma Intergroup (IMI). Timing of sentinel node biopsy independently predicts disease-free and overall survival in clinical stage I-II melanoma patients: A multicentre study of the Italian Melanoma Intergroup (IMI). Eur J Cancer. 2020 Sep;137:30-39. doi: 10.1016/j.ejca.2020.07.001.

- Osella-Abate S, Vignale C, Annaratone L, Nocifora A, Bertero L, Castellano I, Avallone G, Conti L, Quaglino P, Picciotto F, **Senetta R**, Papotti MG, Cassoni P, Ribero S. Microenvironment in cutaneous melanomas: a gene expression profile study may explain the role of histological regression. J Eur Acad Dermatol Venereol. 2021 Jan;35(1):e35-e38. doi: 10.1111/jdv.16784.

- Portelli F, Galli F, Cattaneo L, Cossa M, De Giorgi V, Forte G, Fraternali Orcioni G, Gianatti A, Indini A, Labianca A, Maurichi A, Merelli B, Montesco MC, Occelli M, Patuzzo R, Piazzalunga D, Pigozzo J, Quaglino P, Ribero S, Salvatori R, Saraggi D, Sena P, **Senetta R**, Valeri B, Tanaka M, Fukayama M, Palmieri G, Mandalà M, Massi D; Italian Melanoma Intergroup (IMI). The prognostic impact of the extent of ulceration in patients with clinical stage I-II melanoma: a multicentre study of the Italian Melanoma Intergroup (IMI). Br J Dermatol. 2021 Feb;184(2):281-288. doi: 10.1111/bjd.19120.

- Dika E, Riefolo M, Porcellini E, Broseghini E, Ribero S, **Senetta R**, Osella-Abate S, Scarfì F, Lambertini M, Veronesi G, Patrizi A, Fanti PA, Ferracin M. Defining the Prognostic Role of MicroRNAs in Cutaneous Melanoma. J Invest Dermatol. 2020 Nov;140(11):2260-2267. doi: 10.1016/j.jid.2020.03.949.

- Osella-Abate S, Conti L, Annaratone L, **Senetta R**, Bertero L, Licciardello M, Caliendo V, Picciotto F, Quaglino P, Cassoni P, Ribero S. Phenotypic characterisation of immune cells associated with histological regression in cutaneous melanoma. Pathology. 2019 Aug;51(5):487-493. doi: 10.1016/j.pathol.2019.04.001.

- Osella-Abate S, Bertero L, **Senetta R**, Mariani S, Lisa F, Coppola V, Metovic J, Pasini B, Puig S S, Fierro MT, Manrique-Silva E, Kumar R, Nagore E, Cassoni P, Ribero S. TERT Promoter Mutations are Associated with Visceral Spreading in Melanoma of the Trunk. Cancers (Basel). 2019 Mar 30;11(4):452. doi: 10.3390/cancers11040452.

- Zugna D, **Senetta R**, Osella-Abate S, Fierro MT, Pisacane A, Zaccagna A, Sapino A, Bataille V, Maurichi A, Picciotto F, Cassoni P, Quaglino P, Ribero S. Favourable prognostic role of histological regression in stage III positive sentinel lymph node melanoma patients.Br J Cancer. 2018 Feb 6;118(3):398-404. doi: 10.1038/bjc.2017.397.

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