

## SILVIA PICONESE

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### EDUCATION

- 12/2008: PhD in Life and Biomolecular Sciences, awarded by Open University (Walton Hall, Milton Keynes, UK), conducted at the sponsoring establishment Fondazione IRCCS Istituto Nazionale dei Tumori (Milan, Italy). Final evaluation: Excellent. Supervisor: Mario P. Colombo.
- 07/2004: MSc (*Laurea Magistrale*) in Medical Biotechnology, Facoltà di Medicina, Università degli Studi di Milano (Milan, Italy). Final evaluation: 110/110 *cum laude*.

### PROFESSIONAL EXPERIENCE AND RESEARCH INTERESTS

- 2011-present: Research Assistant (Ricercatore a tempo determinato). Laboratory of Cellular and Molecular Immunology, Dipartimento di Medicina Interna e Specialità Mediche, "Sapienza" Università di Roma (Italy). Supervisor: Prof. Vincenzo Barnaba. National academic qualification as associate professor (06/M1).  
*Treg plasticity in human cancer. Type I Interferons in Treg dynamics. Immunometabolism of Treg in mouse models of inflammation and cancer.*
- 2009-2010: PostDoc, Molecular Immunology Division, Fondazione IRCCS Istituto Nazionale dei Tumori (Milan, Italy).  
*Regulatory T cell plasticity, Treg-mast cell interactions, mast cells in autoimmunity and allergy, stromal regulation of autoimmune responses.*
- 2004-2008: PhD Student, Immunotherapy and Gene Therapy Unit, Istituto Nazionale dei Tumori (Milan, Italy).  
*Immune regulation in experimental tumors, Treg suppression through OX40.*
- 2002-2004: Undergraduate Student, Polygenic Inheritance Unit, Istituto Nazionale dei Tumori (Milan, Italy).  
*Genetic susceptibility to lung tumors.*

### HONOURS AND AWARDS

- 2010: "Guido Berlucchi" national prize for young researchers in oncology, Brescia, Italy.
- 2009: Selection in the list of 4 finalists of the "Andrea e Libi Lorini" national prize for young researchers in oncology and HIV/AIDS, awarded by the Lorini Foundation (Milan, Italy).
- 2009: "Cecilia Cioffrese" national prize for young researchers in the fields of oncology and viral diseases, awarded by the "Carlo Erba" Foundation, Milan, Italy.

### GRANTS

- 2014: Grant for Biomedical Research-Non Communicable Diseases awarded for 2 years by Fondazione Roma.
- 2014: Grant for young investigators awarded for 3 years by Istituto Pasteur-Fondazione Cenci Bolognetti.
- 2013: Progetti di Ateneo awarded for 3 years by Sapienza University.
- 2012: FIRB-Futuro in Ricerca awarded for 3 years by MIUR. Title of the project: "Molecular pathways at the interface between immune and metabolic regulation leading to chronic inflammation and autoimmunity".
- 2009: My First AIRC Grant awarded for three years by AIRC (Associazione Italiana Ricerca sul cancro). Title of the project: "Interactions between regulatory T cells and mast cells in cancer".

### SCIENTIFIC ACTIVITIES

- Ad hoc* reviewer for Cancer Research, International Journal of Cancer, Cancer Immunology and Immunotherapy, Human Immunology, Journal of Investigative Dermatology, Liver International and Tumori Journal.
- Member of Accademia Medica di Roma from 2013 and of the Italian Society of Immunology, Clinical Immunology and Allergology (SIICA) from 2005.
- From 2005, she has participated to 34 national and international meetings, of which 4 as invited speaker, 1 as chairman, 10 as selected for oral presentation and 12 as selected for poster presentation.

### PUBLICATIONS

35 publications in international peer-reviewed journals (25 articles and 10 reviews/commentaries), from 2006, of which 11 as last and/or corresponding author and 13 as first or co-first author. H-index: 15. Total IF: 295.6. Number of citations: 1257 (1108 excluding self citations). She has also contributed to 2 books.

#### List of selected publications:

- Pacella I, Timperi E, Accapezzato D, Martire C, Labbadia G, Cavallari EN, D'Etto G, Calvo L, Rizzo F, Severa M, Coccia EM, Vullo V, Barnaba V, Piconese S. *IFN- $\alpha$  promotes rapid human Treg contraction and late Th1-like Treg decrease*. J Leukoc Biol. 2016 Feb 26. pii: jlb.5A0415-140R.
- Piconese S, Timperi E, Pacella I, Schinzari V, Tripodo C, Rossi M, Guglielmo N, Mennini G, Grazi GL, Di Filippo S, Brozzetti S, Fazzi K, Antonelli G, Lozzi MA, Sanchez M, Barnaba V. *Human OX40 tunes the function of regulatory T cells in tumor and nontumor areas of hepatitis C virus-infected liver tissue*. Hepatology. 2014 Nov;60(5):1494-507. doi: 10.1002/hep.27188.
- Burocchi A, Pittoni P, Gorzanelli A, Colombo MP, Piconese S. *Intratumor OX40 stimulation inhibits IRF1 expression and IL-10 production by Treg cells while enhancing CD40L expression by effector memory T cells*. Eur J Immunol. 2011 Dec;41(12):3615-26.
- Piconese S, Gri G, Tripodo C, Musio S, Gorzanelli A, Frossi B, Pedotti R, Pucillo CE, Colombo MP. *Mast cells counteract regulatory T-cell suppression through interleukin-6 and OX40/OX40L axis toward Th17-cell differentiation*. Blood. 2009 Sep 24;114(13):2639-48.
- Gri G, Piconese S, Frossi B, Manfroi V, Merluzzi S, Tripodo C, Viola A, Odom S, Rivera J, Colombo MP, Pucillo CE. *CD4+CD25+ regulatory T cells suppress mast cell degranulation and allergic responses through OX40-OX40L interaction*. Immunity. 2008 Nov 14;29(5):771-81.
- Colombo MP, Piconese S. *Regulatory-T-cell inhibition versus depletion: the right choice in cancer immunotherapy*. Nat Rev Cancer. 2007 Nov;7(11):880-7. Review.
- Piconese S, Valzasina B, Colombo MP. *OX40 triggering blocks suppression by regulatory T cells and facilitates tumor rejection*. J Exp Med. 2008 Apr 14;205(4):825-39. doi: 10.1084/jem.20071341.