

Education and PHD/Masters/Courses

- 1986-1990: Università di Milano, IT Degree in Biology (110/110 cum laude)
1991-1994 University of Cambridge, UK Visiting Scholar
1995-2000 Università di Milano, IT PhD in Pharmacology and Toxicology (excellent)
2000-2001 Università di Milano-Bicocca, IT Specializing school in applied biotechnology (50/50)

Titles (included other positions covered)

- 2001-Present: European Institute of Oncology, Milan: Director of Experimental Oncology Unit on Dendritic cell biology and Immunotherapy.
2007-2012: Visiting Professor University of Oslo
2012: Member of the scientific and technical committee of the IEO Biobank
2012: Chair of the scientific and technical committee of Cogentech (a facility company established at IEO)

Research Activities carried out at IEO

Since 2001 Director of Experimental Oncology Unit on Dendritic cell biology and Immunotherapy.
Research field: Study of dendritic cell biology in the mucosal immune system with particular emphasis on cancer immunotherapy.

Passed Clinical and Research Activities

- 1991-1994: University of Cambridge, U.K Fellow in the laboratory of Dr. Richard Perham, Prof. of Biochemistry, Department of Biochemistry, University of Cambridge, UK.
Research field: Disulphide oxidoreductases: bases of molecular recognition investigated by the means of protein engineering.
1995-1999: CNR, Consiglio Nazionale delle Ricerche: PhD in Pharmacology and Toxicology in the laboratory of Dr Paola Ricciardi-Castagnoli, Prof. of Immunology, Università di Milano, Italy.
Research field: Interaction between dendritic cells and infectious agents.
2000-2001: Università degli studi di Milano-Bicocca: Dipartimento Di Biotecnologie e Bioscienze. Postdoctoral Fellow
Research field: Role of dendritic cells in bacterial handling at mucosal surfaces

Awards and other Recognitions

- 1995-99: Winner of the MURST fellowship (Borsa Ministeriale) to attend the PhD in Pharmacology and Toxicology
1996: Winner of the Award from the “Fondazione Adriano Buzzati Traverso”
1998: *1998 Cell Biology Roche Award* received in Viterbo during the XXVI Convegno Nazionale del Gruppo di cooperazione in Immunologia (GCI).
1999: Winner of the *Premio per le colture cellulari Mascia Brunelli*
2000-01: Winner of the FIRC short term fellowship to set up a collaboration with Prof. R. Steinman at Rockefeller University NY
2006: Elected **EMBO Young Investigator**
2007: Associate Editor *Mucosal Immunology*
2007: Winner of an ERC starting grant (Dendroworld)
2008: Nominated member of the Henry Kunkel Society.
2007-2012: Visiting Professor University of Oslo
2008: Associate Editor *European Journal of Immunology, Beneficial Microbes, Immunology and Cell Biology*
2011: Winner of the Avon prize as the woman symbol of the city of Milan
2011: Elected **EMBO member**

2013: Winner of an ERC Consolidator grant (HomeoGUT)

Publications

1. Rimoldi, M., Chieppa, M., Salucci, V., Sonzogni, A., Nespoli, A., Viale, G., Allavena, P., **Rescigno, M.** Intestinal immune homeostasis is regulated by the cross-talk between epithelial cells and dendritic cells. (2005) *Nat Immunol.* 6:507-14.
2. Martinoli C, Chiavelli A, and **Rescigno M.** Entry route of Salmonella typhimurium directs the type of induced immune response. *Immunity*, 2007 Dec;27(6):975-84.
3. Rotta G, Matteoli G, Mazzini E, Nuciforo P, Colombo MP, **Rescigno M.** Contrasting roles of SPARC-related granuloma in bacterial containment and in the induction of anti-Salmonella typhimurium immunity. *J Exp Med.* 2008 Mar 17;205(3):657-67. Epub 2008 Mar 3.
4. Iliiev ID, Mileti E, Matteoli G, Chieppa M, **Rescigno M.** Intestinal epithelial cells promote colitis-protective regulatory T-cell differentiation through dendritic cell conditioning. *Mucosal Immunol.* 2009 Jul;2(4):340-50. Epub 2009 Apr 22.
5. Iliiev ID, Spadoni I, Mileti E, Matteoli G, Sonzogni A, Sampietro GM, Foschi D, Caprioli F, Viale G, **Rescigno M.** Human intestinal epithelial cells promote the differentiation of tolerogenic dendritic cells. *Gut.* 2009 Nov;58(11):1481-9.
6. Matteoli G, Mazzini E, Iliiev ID, Mileti E, Fallarino F, Puccetti P, Chieppa M, **Rescigno M.** Gut CD103+ dendritic cells express indoleamine 2,3-dioxygenase which influences T regulatory/T effector cell balance and oral tolerance induction. *Gut.* 2010 May;59(5):595-604.
7. Mittal D, Saccheri F, Vénéreau E, Pusterla T, Bianchi ME, **Rescigno M.** TLR4-mediated skin carcinogenesis is dependent on immune and radioresistant cells. *EMBO J.* 2010 Jul 7;29(13):2242-52.
8. Saccheri F, Pozzi C, Avogadri F, Barozzi S, Faretta M, Fusi P, **Rescigno M.** Bacteria-induced gap junctions in tumors favor antigen cross-presentation and antitumor immunity. *Sci Transl Med.* 2010 Aug 11;2(44):44ra57.
9. Enterotypes of the human gut microbiome. Arumugam M, Raes J, Pelletier E, Le Paslier D, Yamada T, Mende DR, Fernandes GR, Tap J, Bruls T, Batto JM, Bertalan M, Borruel N, Casellas F, Fernandez L, Gautier L, Hansen T, Hattori M, Hayashi T, Kleerebezem M, Kurokawa K, Leclerc M, Levenez F, Manichanh C, Nielsen HB, Nielsen T, Pons N, Poulain J, Qin J, Sicheritz-Ponten T, Tims S, Torrents D, Ugarte E, Zoetendal EG, Wang J, Guarner F, Pedersen O, de Vos WM, Brunak S, Doré J; MetaHIT Consortium, Antolín M, Artiguenave F, Blottiere HM, Almeida M, Brechot C, Cara C, Chervaux C, Cultrone A, Delorme C, Denariariz G, Dervyn R, Foerstner KU, Friss C, van de Guchte M, Guedon E, Haimet F, Huber W, van Hylckama-Vlieg J, Jamet A, Juste C, Kaci G, Knol J, Lakhdari O, Layec S, Le Roux K, Maguin E, Mérieux A, Melo Minardi R, M'rini C, Muller J, Oozeer R, Parkhill J, Renault P, **Rescigno M,** Sanchez N, Sunagawa S, Torrejon A, Turner K, Vandemeulebrouck G, Varela E, Winogradsky Y, Zeller G, Weissenbach J, Ehrlich SD, Bork P. *Nature.* 2011 May 12;473(7346):174-80. Epub 2011 Apr 20.
10. Frittoli E., Matteoli G., Palamidessi A., Mazzini E., Maddaluno L., Disanza A., Yang C., Svitkina T, **Rescigno, M***, and Scita G., The Signaling Adaptor Eps8 Is an Essential Actin Capping Protein for Dendritic Cell Migration. *Immunity* 2011, 23;35(3):388-99
* Co-corresponding author
11. Spadoni I, Iliiev ID, Rossi G, **Rescigno M.** Dendritic cells produce TSLP that limits the differentiation of Th17 cells, fosters Treg development, and protects against colitis. *Mucosal Immunol.* 2012 Jan 11. doi: 10.1038/mi.2011.64. [Epub ahead of print]
12. Tsilingiri K, Barbosa T, Penna G, Caprioli F, Sonzogni A, Viale G, **Rescigno M.** Probiotic and postbiotic activity in health and disease: comparison on a novel polarised ex-vivo organ culture model. *Gut.* 2012 Feb 1.
13. Klaenhammer TR, Kleerebezem M, Kopp MV, **Rescigno M.** The impact of probiotics and prebiotics on the immune system. *Nat Rev Immunol.* 2012 Oct;12(10):728-34. doi: 10.1038/nri3312.
14. Massa PE, Paniccia A, Monegal A, de Marco A, **Rescigno M.** Salmonella engineered to express CD20-targeting antibodies and a drug-converting enzyme can eradicate human lymphomas. *Blood.* 2013 Jun 4. [Epub ahead of print]

15. Mazzini E, Massimiliano L, Penna G, **Rescigno M**. Oral Tolerance Can Be Established via Gap Junction Transfer of Fed Antigens from CX3CR1+ Macrophages to CD103+ Dendritic Cells. *Immunity*. 2014 Jan 21. pii: S1074-7613(14)00003-X. doi: 10.1016/j.immuni.2013.12.012. [Epub ahead of print]

Congresses

October 2008 European Mucosal Immunology group – organizer – Milan, Italy
August 2010 International Congress of Immunology – speaker – Japan
February 2011 Keystone meeting Dendritic cells – speaker – Santa Fe, USA
March 2012 Keystone meeting Dendritic cells – speaker – Keystone, USA
July 2013 International Congress of Immunology, - organizer - Vancouver, Canada
August 2013 International congress of Immunology – speaker – Milan, Italy