

Curriculum Vitae

Name: Ilaria Ferrarotti

Date of birth: 16th September, 1975

Position Temporary Research Associate

Education/research career and position

1999 Degree in Biology, University of Pavia
1999-2000 Annual training at "HLA laboratory"- Policlinico S.Matteo, Pavia.
2000-2003 Fellowship at "Laboratorio di Biochimica e Genetica delle Malattie Respiratorie" Policlinico S. Matteo, Pavia
2003 Postgraduation in Clinical Biochemistry, University of Pavia
2003-2013 Contract researcher at Laboratorio di Biochimica e Genetica delle Malattie Respiratorie – Policlinico S. Matteo, Pavia
2010, 2011 Visitor Scientist - Royal College of Surgery, Department of Medicine, Beaumont Hospital, Dublin
2013 - present Lecturer, School of Medicine and Surgery, University of Pavia
2014-2015 Temporary Research Associate - Dept of Molecular Medicine, Pneumology Unit, IRCCS San Matteo Hospital Foundation, University of Pavia
2015- present Temporary Research Associate - Dept of Internal Medicine and Therapeutics, Pneumology Unit, IRCCS San Matteo Hospital Foundation, University of Pavia

Awards and honours

2003 Taormina ERS Lung Science Conference Award for the best poster presentation
2006 eALTA Award
2010 European Respiratory Society – Short-term Fellowship Award

Dr. Ferrarotti is the Coordinator of the Italian Centre for Diagnosis of Inherited Alpha1-antitrypsin Deficiency - Policlinico San Matteo, Pavia. Her research focuses on genetics of respiratory diseases and, in particular, Alpha1-antitrypsin deficiency and common COPD.

Scientific Activity

43 papers in peer-reviewed journals, 83 abstracts presented at International Conferences ; Cumulative IF 230, H-index 15.

Selected Peer-Reviewed Publication for the past 5 year

1. Miranda E, **Ferrarotti I**, Berardelli R, Laffranchi M, Cerea M, Gangemi F, Haq I, Ottaviani S, Lomas DA, Irving JA, Fra A. The pathological Trento variant of alpha-1-antitrypsin (E75V) shows non-classical behaviour during polymerization. *FEBS J.* 2017 May 15. doi: 10.1111/febs.14111.
2. **Ferrarotti I**, Stolk J, Ottaviani S, Fumagalli M, Janciauskiene S, Corsico AG, Iadarola P. Advances in identifying urine/serum biomarkers in Alpha-1 antitrypsin deficiency for more personalized future treatment strategies. *COPD*, 2017;14:56-65.
3. Balbi B, **Ferrarotti I**, Miravittles M. *Efficacy of augmentation therapy for emphysema associated with α 1-antitrypsin deficiency: enough is enough.* *Eur Respir J*, 2016 Jan;47:35-8.
4. **Ferrarotti I**, Poplawska-Wisniewska B, Trevisan MT, Koepke J, Dresel M, Koczulla R, Ottaviani S, Baldo R, Gorrini M, Sala G, Cavallon L, Welte T, Chorostowska-Wynimko J, Luisetti M, Janciauskiene

- S. *How Can We Improve the Detection of Alpha1-Antitrypsin Deficiency?* PLoS One. 2015 Aug 13;10(8):e0135316
5. Luisetti M, **Ferrarotti I***, Corda L, Ottaviani S, Gatta N, Bruletti G, Bertella E, Balestroni G, Confalonieri M, Seebacher C, Iannacci L, Salerno FG, Mariani F, Carone M, Balbi B. *Italian Registry of Patients with Alpha-1 Antitrypsin Deficiency. General Data and Quality of Life Evaluation.* COPD,2015;12(S1):52-7.
 6. **Ferrarotti I**, Carroll TP, Ottaviani S, Fra AM, O'Brien G, Molloy K, Corda L, Medicina D, Curran DR, McElvaney NG, Luisetti M. *Identification and characterization of eight novel SERPINA1 Null mutations.* Orph J Rare Dis, 2014; 9:172.
 7. **Ferrarotti I**, Luisetti M. *COPD: no gene left unturned.* Lancet Respir Med, 2014 Mar;2(3):171-2.
 8. Piras B, **Ferrarotti I**, Lara B, Martinez MT, Bustamante A, Ottaviani S, Pirina P, Luisetti M, Miravittles M *Clinical phenotypes of Italian and Spanish patients with Alpha-1-antitrypsin deficiency.* Eur Respir J. 2013; 42:54-64.
 9. Greulich T, Ottaviani S, Bals R, Lepper PM, Vogelmeier C, Luisetti M, **Ferrarotti I**. *Alpha1-antitrypsin deficiency - Diagnostic testing and disease awareness in Germany and Italy.* Respir Med. 2013 Sep;107(9):1400-8.
 10. Thun GA, Imboden M, **Ferrarotti I**, Kumar A, Obeidat M, Zorzetto M, Haun M, Curjuric I, Couto Alves A, Jackson VE, Albrecht E, Ried JS, Teumer A, Lopez LM, Huffman JE, Enroth S, Bossé Y, Hao K, Timens W, Gyllenstein U, Polasek O, Wilson JF, Rudan I, Hayward C, Sandford AJ, Deary IJ, Koch B, Reischl E, Schulz H, Hui J, James AL, Rochat T, Russi EW, Jarvelin MR, Strachan DP, Hall IP, Tobin MD, Dahl M, Fallgaard Nielsen S, Nordestgaard BG, Kronenberg F, Luisetti M, Probst-Hensch NM. *Causal and Synthetic Associations of Variants in the SERPINA Gene Cluster with Alpha1-antitrypsin Serum Levels.* PLoS Genet. 2013 Aug;9(8):e1003585.
 11. **Ferrarotti I**, Thun GA, Probst-Hensch NM, Luisetti M. *α 1-Antitrypsin Level and Pheno/Genotypes.* Chest. 2013 Nov 1;144(5):1732-3