

## **Curriculum vitae**

### **Fabio L.M. Ricciardolo**

#### **Personal details**

Born in Catania

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#### **Educations**

- Medical School graduation: University of Catania (Italy) – July 14th 1989;
- Doctor Licence qualification: University of Catania (Italy) – December 1989;
- Ph.D. in Respiratory Disease (1990-1994), University of Naples/Catania and presentation of thesis at the University of Milan in January 1996;
- Specialist in Respiratory Disease (1989-90 and 1994-1997), University of Catania, presentation of thesis in November 1997;

#### **Professional experiences and current position**

- Research Fellow at the Cardiovascular Research Institute, University of California San Francisco (mentor: Prof. Jay A. Nadel): June 1992 – December 1993;
- Assistant Professor and specialist consultant in the Institute of Respiratory Disease - University of Catania (Italy) (1997-1999);
- Post-Doc Research Fellow in the Department of Pulmonology, University of Leiden (mentor: Prof. Peter J. Sterk): August 1997 – April 1999;
- Specialist Consultant in Respiratory Disease Unit of Garbagnate (Milan; Italy) General Hospital (1999-2000); Specialist Consultant in Respiratory Disease Unit of Ospedali Riuniti in Bergamo (Italy) (2000-2003); Specialist Consultant in Respiratory Disease and Allergy Unit of Gaslini Institute in Genova (Italy) (2003-2006);
- From October 2006 to July 2015: Assistant Professor of Respiratory Medicine at the University of Torino;
- From July 2015 to September 2022: Associate Professor in Respiratory Medicine at the University of Torino;
- Since October 2022: Full Professor in Respiratory Medicine at the University of Torino;
- Since October 2006 specialist Consultant in the Clinic of Respiratory Disease of San Luigi University Hospital (School of Medicine, University of Torino; Italy) (2006-2017) and in the Rare Lung Disease Unit (2017-Today);
- Since January 2020 Director of Interstitial and Rare Lung Disease Unit and since 2022 entitled Severe Asthma and Rare Lung Disease Unit in San Luigi Gonzaga University Hospital, Orbassano, Torino, Italy.

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

- Since March 2015: Associate Editor of ERJ Open Research; From October 2019 to June 2020: Deputy Chief Editor of ERJ Open Research.
- Since July 2017: Academic Editor of PLOS One
- Since August 2017: Member of the Editorial Board of the European Journal of Pharmacology
- Member of the following scientific societies: European Respiratory Society (ERS), Association of Italian Pulmonologists (AIPO) and Italian Respiratory Society (SIP).
- 2017-2021: Member of the ERS Long-Range Planning Committee (appointed from ERS assembly 5).
- From October 2019 to September 2022: Secretary of study group 5.2 Monitoring Airway Disease of ERS Assembly 5.

- Since September 2022: CHAIR of the study group 5.2 Monitoring Airway Diseases (Assembly 5) of ERS.
- Member of the European Respiratory Society Task Force entitled “EXHALED BREATH and NITRIC OXIDE (NO)” (2014).
- Since 2013 Member of Global Initiative for Asthma (GINA) Italian Board for writing Italian Asthma Guidelines: LIBRA project.

### **Honors**

- 1) European Respiratory Society award for the second prize of poster presentation to the ERS Meeting held in Berlin, 1997;
- 2) European Respiratory Society Research Fellowship 1997. Project title: "The effect of nitric oxide-synthesis inhibition on allergen-induced airway hyperresponsiveness to bradykinin in asthma";
- 3) Boehringer First Prize for scientific Italian investigator in Pulmonary Medicine under 35 years old, 1998.
- 4) European Respiratory Society award for the first prize of Allergy and Clinical Immunology Assembly in the Annual Meeting held in Berlin, 2001.
- 5) Fellow of ERS award (May 2019).

### **Teaching activity:**

- Since 2007 professor of the Respiratory Medicine courses in the Nursing School and the Radiology Technicians School (1<sup>st</sup> level teaching).
- Since 2011 professor of the Respiratory Medicine courses in School of Medicine and Surgery (2<sup>nd</sup> level teaching).
- Since 2007 professor of the Respiratory Medicine courses in the post-graduate Schools of Respiratory Medicine, Allergy and Clinical Immunology and Sport Medicine (3<sup>rd</sup> level teaching).
- Since 2017 professor in PhD Programme in Experimental Medicine and Therapy at the University of Torino.
- Since 2021-2022 Director of the international Master (II level) entitled Severe Asthma.
- Since November 2022 Director of Post-graduate School of Respiratory Medicine.

### **Research main topics**

#### **Main projects as PI:**

1. European Respiratory Society Research Fellowship in Leiden University (1997). Project title: The effect of nitric oxide-synthesis inhibition on allergen-induced hyperresponsiveness to bradykinin in asthma. Duration: 1 year.
2. Italian Ministry of Health: Ricerca Corrente (from 2005 to 2008). Coordinator of the project, at the Gaslini Institute, entitled: Role of bradykinin in the mechanisms of fibroblasts' proliferation and differentiation in the airways. Duration: 3 years.
3. Several (ex-60%) Local Funds from Italian Ministry of University and Research: from 2007 to 2021.
4. Project “Ricerca Sanitaria Finalizzata” Piedmont Region (2007). Coordinator of the project entitled: Severe asthma and upper airways' pathologies. Duration: 1 year.
5. Project “Ricerca Sanitaria Finalizzata” Piedmont Region (2008). Coordinator of the project entitled: Mild-moderate asthma and upper airways' pathologies. Duration: 2 years.

6. Project “Ricerca Sanitaria Finalizzata” Piedmont Region (2009). Coordinator of the project entitled: TNF-a, IL-4R, IL-4 and IL-10 gene polymorphisms in asthma. Duration: 1 year.
7. Project financially supported by AstraZeneca. Title: Expression and activity of Bradykinin B1 and B2 receptors in severe asthma bronchial fibroblasts: Budesonide/Formoterol modulating effects. In vitro study. Duration: 3 years (from 2009 to 2011).
8. Project financially supported by Chiesi. Title: Effect of ambroxol and beclomethasone on LPS- and virus-induced cytokine release and oxidative/nitrative stress in the bronchial epithelial cells. Duration: 14 months (from 2011 to 2012).
9. Project financially supported by Boehringer. Title: Role of muscarinic receptors in bronchial mucosa of mild and severe asthma in relation to airway remodeling. Duration: 2 years (from 2013 to 2015).
10. Project financially supported by Chiesi. Title: Expression of growth factors induced by inflammatory stimuli in asthma, COPD and control fibroblasts: effects of beclomethasone, formoterol and glycopirronium. Duration: 1 year (2017).
11. Grant entitled GSK Call 2018 – Innovation in Severe Refractory Asthma. Duration: 1 year.
12. Grant SANOFI (since March 2020) for the project entitled: T2-high e T2-low asthma and rhino-sinusitis. Duration: 2 years.
13. Project financially supported by Chiesi. Title: “Clinical, functional and biological characterization of neutrophilic asthma phenotype and endotypes”. Duration: 1 year (since September 2020).
14. Grant entitled GSK Call 2022 – Innovation in BPCO. Duration: 1 year.

**Bibliometry (1993-present)** ([www.scopus.com](http://www.scopus.com))

Total number of abstracts, original articles, review/editorial articles, and chapter in books: 401;

Publications quoted in PubMed/Scopus: 174;

Scientific Citation Index of publications on Scopus: 5854; Google Scholar: 8385 (27<sup>th</sup> March, 2023);

H-index on Scopus 40 and Google Scholar 45 (27<sup>th</sup> March, 2023).

**publications**

1. Di Maria GU, Bellofiore S, Puglisi S, Novo S, **Ricciardolo FLM**, Mistretta A.

Cyclooxygenase products mediate the cutaneous vasodilation induced by endothelin-1 in humans.

**Regul Peptides** **1993**; 47:233-238. doi: 10.1016/0167-0115(93)90390-T

2. **Ricciardolo FLM**, Nadel JA, Bertrand C, Yamawaki I, Chan B, Geppetti P.

Tachykinins and kinins in antigen-evoked plasma extravasation in guinea-pig nasal mucosa.

**Eur J Pharmacol** **1994**; 261:127-132. doi: 10.1016/0014-2999(94)90310-7

3. **Ricciardolo FLM**, Nadel JA, Graf PD, Bertrand C, Yoshihara S, Geppetti P.  
Role of kinins in anaphylactic-induced bronchoconstriction mediated by tachykinins in guinea-pigs.  
**Br. J. Pharmacol** 1994; 113:508-512. doi: 10.1111/j.1476-5381.1994.tb17018.x
4. **Ricciardolo FLM**, Nadel JA, Yoshihara S, Geppetti P.  
Evidence for reduction of bradykinin-induced bronchoconstriction in guinea-pigs by release of nitric oxide.  
**Br. J. Pharmacol** 1994; 113:1147-1152. doi: 10.1111/j.1476-5381.1994.tb17117.x
5. Bellofiore S, Ciancio N, Pennisi A, Coco G, Passanisi G, **Ricciardolo FLM**, Mistretta A, Di Maria GU.  
Inhaled platelet activating factor increases airway sensitivity but not maximal airway narrowing to methacholine in normal subjects.  
**Monaldi Arch Chest Dis** 1994; 49: 4, 288-292.
6. Yoshihara S, Chan B, Yamawaki I, Geppetti P, **Ricciardolo FLM**, Massion P, Nadel JA.  
Plasma extravasation in the rat trachea induced by cold air is mediated by tachykinin release from sensory nerves.  
**Am J Respir Crit Care Med** 1995; 151:1011-1017. doi: 10.1164/ajrccm/151.4.1011
7. Geppetti P, Bertrand C, **Ricciardolo FLM**, Nadel JA.  
New aspects on the role of kinins in neurogenic inflammation.  
**Canad J Physiol Pharmacol** 1995; 73:843-847. doi: 10.1139/y95-115
8. Javdan P, Figini M, **Ricciardolo FLM**, Geppetti P.  
Nedocromil sodium and sodium cromoglycate inhibit plasma extravasation in the guinea pig conjunctiva.  
**Ocular Immunology and Inflammation** 1995; 3(1):37-44. doi: 10.3109/09273949509057809
9. Yoshihara S, **Ricciardolo FLM**, Geppetti P, Linden A, Hara M, Chan B, Nadel JA  
Corticotropin releasing factor inhibits antigen-induced plasma extravasation in airways.  
**Eur J Pharmacol** 1995; 280:113-118. doi: 10.1016/0014-2999(95)00187-P
10. Yoshihara S, Geppetti P, Hara M, Linden A, **Ricciardolo FLM**, Chan B, Nadel JA.  
Cold air-induced bronchoconstriction is mediated by tachykinin and kinin release in guinea pigs.  
**Eur J Pharmacol** 1996; 296:291-296. doi: 10.1016/0014-2999(95)00719-9
11. Bellofiore S, **Ricciardolo FLM**, Ciancio N, Sapienza MA, Patané A, Mistretta A, Di Maria GU.  
Changes in respiratory drive account for the magnitude of dyspnoea during bronchoconstriction in asthmatics.  
**Eur Respir J** 1996; 9:1155-1159. doi: 10.1183/09031936.96.09061155

12. Figini M, **Ricciardolo FLM**, Javdan P, Nijkamp F, Emanuelli C, Pradelles P, Folkerts G, Geppetti P.

Evidence that epithelium-derived relaxing factor released by bradykinin in the guinea pig trachea is nitric oxide.

**Am J Respir Crit Care Med** 1996; 153:918-923. doi: 10.1164/ajrccm.153.3.8630573

13. **Ricciardolo FLM**, Geppetti P, Mistretta A, Nadel JA, Sapienza MA, Bellofiore S, Di Maria GU.

Randomised double-blind placebo-controlled study of the effect of inhibition of nitric oxide synthesis in bradykinin-induced asthma.

**Lancet** 1996; 348:374-377. doi: 10.1016/S0140-6736(96)04450-9

14. **Ricciardolo FLM**, Mistretta A, Geppetti P, Figini M, Di Maria GU.

The role of nitric oxide synthase pathway on bradykinin-induced bronchoconstriction in guinea pigs and in man.

**Monaldi Arch Chest Dis** 1996; 51(6): 543-547.

15. **Ricciardolo FLM**, Di Maria GU, Mistretta A, Sapienza MA, Geppetti P.

Impairment of bronchoprotection by nitric oxide in severe asthma.

**Lancet** 1997; 350: 1297-1298. doi: 10.1016/S0140-6736(05)62474-9

16. **Ricciardolo FLM**, Di Maria GU, Sterk PJ, Mistretta A, Geppetti P.

Nitric oxide and the response to inhaled bradykinin in severe asthma. Reply. [Letter]

**Lancet** 1998; 351: 449-450. doi: 10.1016/S0140-6736(05)78399-9

17. **Ricciardolo FLM**, Lovett M, Halliday DA, Nadel JA, Kaneko T, Bunnett NW, Geppetti P.

Bradykinin increases intracellular calcium levels in a human bronchial epithelial cell line via the B2 receptor subtype.

**Inflamm Res** 1998; 47:231-235. doi: 10.1007/s000110050322

18. Emanuelli C, **Ricciardolo FLM**, Vergnani L, Bertrand C, Fellin R, Folkerts G, Nijkamp FP, Geppetti P.

Characterization of the endothelin receptor subtypes mediating relaxant NO release from guinea pig trachea.

**Br. J. Pharmacol** 1998; 125:963-968. doi: 10.1038/sj.bjp.0702174

19. **Ricciardolo FLM**, Rado V, Fabbri LM, Sterk PJ, Di Maria GU, Geppetti P.

Bronchoconstriction induced by citric acid inhalation in guinea pigs: role of tachykinins, bradykinin and nitric oxide.

**Am J Respir Crit Care Med** 1999; 159:557-562. doi: 10.1164/ajrccm.159.2.9804022

20. Sterk PJ, de Gouw HWFM, **Ricciardolo FLM**, Rabe KF.

Exhaled nitric oxide in COPD: glancing through a smoke screen.

**Thorax** 1999; 54:565-567. doi: 10.1136/thx.54.7.565

21. **Ricciardolo FLM**, Vergnani L, Wiegand S, Ricci F, Manzoli N, Fischer A, Amadesi S, Fellin R, Geppetti P.  
Detection of nitric oxide release induced by bradykinin in guinea pig trachea and main bronchi using a porphyrinic microsensor.  
**Am J Respir Cell Mol Biol** 2000; 22(1):97-104. doi: 10.1165/ajrcmb.22.1.3706
22. **Ricciardolo FLM**, Trevisani M, Geppetti P, Nadel JA, Amadesi S, Bertrand C.  
Role of nitric oxide and septide-insensitive NK1 receptors in bronchoconstriction induced by aerosolized neurokinin A in guinea-pigs.  
**Br. J. Pharmacol** 2000; 129 (5):915-920. doi: 10.1038/sj.bjp.0703135
23. **Ricciardolo FLM**, Steinhoff A, Amadesi S, Guerrini R, Tognetto M, Trevisani M, Creminon C, Bertrand C, Bunnett NW, Fabbri LM, Salvadori S, Geppetti P.  
Presence and bronchomotor activity of protease-activated receptor-2 in guinea pig airways.  
**Am J Respir Crit Care Med** 2000; 161:1672-1680. doi: 10.1164/ajrccm.161.5.9907133
24. Malerba M, Clini E, Cremona G, Radaeli A, Bianchi L, Corda L, Pini L, **Ricciardolo F**, Grassi V, Ambrosino N.  
Exhaled nitric oxide in patients with PiZZ phenotype-related alpha-1-anti-trypsin deficiency.  
**Respir Med** 2001; 95(6): 520-525. doi: 10.1053/rmed.2001.1168
25. **Ricciardolo FLM**.  
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**Monaldi Arch Chest Dis** 2001; 56:91-94.
26. **Ricciardolo FLM**, Timmers MC, Geppetti P, van Schadewijk WA, Sont J, de Gouw HWFM, van Krieken JHJM, Hiemstra PS, Sterk PJ.  
Allergen-induced impairment of bronchoprotective nitric oxide synthesis in asthma.  
**J Allergy Clin Immunol** 2001; 108:198-204. doi: 10.1067/mai.2001.116572
27. **Ricciardolo FLM**.  
Mechanism of citric acid-induced bronchoconstriction.  
**Am J Med** 2001; 111 (suppl. 8A):18S-24S. [https://doi.org/10.1016/S0002-9343\(01\)00816-6](https://doi.org/10.1016/S0002-9343(01)00816-6)
28. Maniscalco M, Vatrella A, Pelaia G, **Ricciardolo FLM**, Sofia M.  
Inhaled ultrasonically nebulized distilled water decreases exhaled nitric oxide in asthma.  
**Lung** 2002;180(6):319-26. doi: 10.1007/s00408-002-0103-x
29. **Ricciardolo FLM**.  
Multiple roles of nitric oxide in the airways.  
**Thorax** 2003; 58:175-182. doi: 10.1136/thorax.58.2.175
30. **Ricciardolo FLM**, Di Stefano A, van Krieken JH, Sont JK, van Schadewijk A, Rabe KF, Donner CF, Hiemstra PS, Sterk PJ, Mauad T.

Proliferation and inflammation in bronchial epithelium after allergen in atopic asthmatics.  
**Clin Exp Allergy** 2003; 33:905-911. doi: 10.1046/j.1365-2222.2003.01686.

31. **Ricciardolo FLM**, Timmers MC, Sont JK, Folkerts G, Sterk PJ.

Effect of bradykinin on allergen induced increase in exhaled nitric oxide in asthma.  
**Thorax** 2003; 58:840-845. doi: 10.1136/thorax.58.10.840

32. **Ricciardolo FLM**.

cNOS-iNOS paradigm and arginase in asthma.  
**Trends Pharmacol Sci** 2003; 24: 560-561. doi: 10.1016/j.tips.2003.09.007

33. Spicuzza L, Ciancio N, Pellegrino R, Bellofiore S, Polosa R, **Ricciardolo E**, Brusasco V, Di Maria GU.

The effect of inhaled furosemide and acetazolamide on bronchoconstriction induced by deep inspiration in asthma.  
**Monaldi Arch Chest Dis** 2003;59(2):150-4.

34. **Ricciardolo FLM**, Gaston B, Hunt J.

Acid stress in the pathology of asthma.  
**J Allergy Clin Immunol** 2004; 113: 610-619. doi: 10.1016/j.jaci.2003.12.034

35. **Ricciardolo FLM**, Rossi GA.

The "Gianic faces" of Nitric Oxide (NO) in asthma: role for the inducible and the constitutive NO synthase isoforms.  
**J Allergy Clin Immunol** 2004; 113:789-790. doi: 10.1016/j.jaci.2004.01.568

36. **Ricciardolo FLM**, Di Stefano A.

Corticosteroid resistance in smokers with asthma.  
**Am J Respir Crit Care Med** 2004; 169 (11):1252-1253. doi: 10.1164/ajrccm.169.11.950

37. **Ricciardolo FLM**, Sterk PJ, Gaston B, Folkerts G.

Nitric oxide in health and disease of the respiratory system.  
**Physiol Rev** 2004; 84: 731-765. doi: 10.1152/physrev.00034.2003

38. Di Stefano A, Caramori G, Capelli A, Gnemmi I, **Ricciardolo FLM**, Oates T, Donner CF, Chung KF, Barnes PJ, Adcock IM.

STAT-4 activation in smokers and patients with chronic obstructive pulmonary disease.  
**Eur Respir J** 2004; 24:78-85. doi: 10.1183/09031936.04.00080303

39. Di Stefano A, Caramori G, **Ricciardolo FLM**, Capelli A, Adcock IM, Donner CF.

Cellular and molecular mechanisms in chronic obstructive pulmonary disease: an overview.  
**Clin Exp Allergy** 2004; 34:1156-1167. doi: 10.1111/j.1365-2222.2004.02030.x

40. Ravensberg AJ, **Ricciardolo FLM**, van Schadewijk A, Rabe KF, Sterk PJ, Hiemstra PS, Mauad T.

Eotaxin-2 and eotaxin-3 expression is associated with persistent eosinophilic bronchial inflammation in patients with asthma after allergen challenge.  
**J Allergy Clin Immunol** 2005; 115(4):779-785. doi: 10.1016/j.jaci.2004.11.045

41. **Ricciardolo FLM**, Zaagsma J, Meurs H.

The therapeutic potential of drugs targeting the arginase pathway.  
**Expert Opinion Investigational Drugs** 2005; 14:1221-1231.  
doi: 10.1517/13543784.14.10.1221

42. **Ricciardolo FLM**, Caramori G, Ito K, Capelli A, Brun P, Abatangelo G, Papi A, Chung KF, Adcock I, Barnes PJ, Donner CF, Rossi A, Di Stefano A.

Nitrosative stress in the bronchial mucosa of severe chronic obstructive pulmonary disease (COPD).  
**J Allergy Clin Immunol** 2005; 116(5):1028-1035. doi: 10.1016/j.jaci.2005.06.034

43. **Ricciardolo FLM**, Di Stefano A, Sabatini F, Folkerts G.

Reactive nitrogen species in the respiratory tract.  
**Eur J Pharmacol** 2006; 533:240-252. doi: 10.1016/j.ejphar.2005.12.057

44. **Ricciardolo FLM**, Njikamp F, Folkerts G.

Nitric Oxide Synthase (NOS) as therapeutic target for asthma and chronic obstructive pulmonary disease.  
**Current Drug Targets** 2006; 7(6): 721-735. doi: 10.2174/138945006777435290

45. Malerba M, **Ricciardolo F**, Torregiani C, Radaeli A, Ceriani L, Mori E, Bontempelli M, Grassi V, Tantucci C.

Neutrophilic inflammation and IL-8 levels in induced sputum of alpha-1-antitrypsin PiMZ subjects.  
**Thorax** 2006; 61:129-133. doi: 10.1136/thx.2005.043471

46. Silvestri M, Bontempelli M, Giacomelli M, Malerba M, Rossi GA, Di Stefano A, Rossi A, **Ricciardolo FLM**.

High serum levels of tumour necrosis factor- $\alpha$  and interleukin-8 in severe asthma: markers of systemic inflammation?  
**Clin Exp Allergy** 2006; 36:1373-1381. doi: 10.1111/j.1365-2222.2006.02502.x

47. Ravensberg J, Van Rensen ELJ, Grootendorst DC, de Kluiver J, Diamant Z, **Ricciardolo FLM**, Sterk PJ.

Validated safety predictions of airway responses to house dust mite in asthma.  
**Clin Exp Allergy** 2007; 37:100-7. doi: 10.1111/j.1365-2222.2006.02617.x

48. **Ricciardolo FLM**.

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**Pulm Pharmacol Ther** 2007; 20(5):473-482. doi: 10.1016/j.pupt.2005.11.007

49. **Ricciardolo FLM**, Njikamp F, De Rose V, Folkerts G.

The guinea pig as an animal model for asthma.

**Current Drug Targets** 2008; 9:452-465. doi: 10.2174/138945008784533534

50. Eleuteri E, Di Stefano A, **Ricciardolo FLM**, Magno F, Gnemmi I, Colombo M, Anzalone R, Cappello F, La Rocca G, Tarro Genta F, Zummo G, Giannuzzi P.

Increased nitrotyrosine plasma levels in relation to systemic markers of inflammation and myeloperoxidase in chronic heart failure.

**Int J Cardiol** 2009; 135:386-390. doi: 10.1016/j.ijcard.2008.11.013

51. Ciprandi G, De Amici M, Murdaca G, Fenoglio D, **Ricciardolo E**, Marseglia G, Tosca M.

Serum interleukin-17 are related to clinical severity in allergic rhinitis.

**Allergy** 2009; 64:1375-1378. doi: 10.1111/j.1398-9995.2009.02010.x

52. Di Stefano A, Caramori G, Gnemmi I, Contoli M, Bristot L, Capelli A, **Ricciardolo FLM**, Magno F, D'Anna SE, Zanini A, Carbone M, Sabatini F, Usai C, Brun P, Chung KF, Barnes PJ, Papi A, Adcock IM, Balbi B.

Association of increased CCL5 and CXCL7 chemokine expression with neutrophil activation in severe stable COPD.

**Thorax** 2009; 64:968-975. doi: 10.1136/thx.2009.113647

53. **Ricciardolo FLM**, Silvestri M, Pistorio A, Strozzi M, Tosca MA, Bellodi S, Battistini E, Gardella C, Rossi GA.

Determinants of exhaled nitric oxide levels (FeNO) in childhood atopic asthma: evidence for neonatal respiratory distress as a factor associated with low FeNO levels.

**J Asthma** 2010; 47(7):810-816. doi: 10.3109/02770903.2010.489245

54. Petecchia L, Sabatini F, Usai C, Carnevali S, Ognibene M, Vanni C, Eva A, Fabbri LM, Rossi GA, **Ricciardolo FLM**.

Mechanisms of bradykinin-induced contraction in human fetal lung fibroblasts.

**Eur Respir J** 2010; 36:655-664. doi: 10.1183/09031936.00112209

55. Cappello F, Caramori G, Campanella C, Vicari C, Gnemmi I, Zanini A, Spanevello A, Capelli A, La Rocca G, Anzalone R, Bucchieri A, D'Anna SE, **Ricciardolo FLM**, Brun P, Balbi B, Carone M, Zummo G, Conway de Macario E, Macario AJL, Di Stefano A.

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Exhaled nitric oxide is related to bronchial eosinophilia and airway hyperresponsiveness to bradykinin in allergen-induced asthma exacerbation.

**Int J Immunopath Pharm** 2012; 25 (1):175-182. doi: 10.1177/039463201202500120.

57. Malerba M, Ragnoli B, Radaeli A, **Ricciardolo FLM**.

Long term adjustment of stable asthma treatment with fractional exhaled nitric oxide and sputum eosinophils.

**Eur J Inflammation** 2012; 10(3):383-392. doi: 10.1177/1721727X1201000314.

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**Int J Clin Pract** 2012 Nov;66(11):1095-1100. doi: 10.1111/ijcp.12001.

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Review of exhaled nitric oxide in chronic obstructive pulmonary disease.  
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61. Sabatini F, Petecchia L, Usai C, Silvestri M, Rossi GA, Miller-Larsson A, **Ricciardolo FLM**.

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**J Asthma** 2012; 49 (10):1004-1011. doi: 10.3109/02770903.2012.729633.

62. Overbeek SA, Kleinjan M, Henricks PA, Kamp VM, **Ricciardolo FLM**, Georgiou NA, Garsen J, Kraneveld AD, Folkerts G.

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