

Curriculum Vitae of Fabio Cibella

PERSONAL INFORMATION Fabio Cibella, MD



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Sex Male | Date of birth May 13, 1957 | Nationality Italian

H factor: 25

Education

1981 Doctoral degree cum laude in Medicine, University of Palermo, Italy

1985 Post doctoral degree cum laude in Respiratory Medicine, University of Palermo, Italy

Working Experience

Feb 01, 1984 **Researcher** (permanent position) of the National Research Council of Italy (CNR) – Institute of Respiratory Physiopathology (IFR), Palermo, Italy

Dec 31, 2001 **Senior Researcher** (permanent position) of the National Research Council of Italy (CNR) – Institute of Biomedicine and Molecular Immunology (IBIM), Palermo, Italy

Areas of scientific interest since 1982

- bronchial hyperreactivity and the variability of patterns of bronchoconstriction;
- mechanics of respiratory system (measure of airway resistance and respiratory work);
- prevalence of bronchial hyperresponsiveness in children affected by atopic rhinitis and its changes along the time;
- lung function decay in asthmatics subjects;
- epidemiological evaluation of the relationship between environment and human health.

Research responsibilities

Aug-Oct, 1991 Expedition to C.N.R. Pyramid Laboratory at 5,050 m above sea level in Nepal (EvK²CNR Program)

1999/2001 Principal investigator of the Telethon research project N° 1163C "Early detection and control of cardio-circulatory and ventilatory disorders in subjects affected by muscular dystrophies"

2005-2007 Principal investigator of the project "Environmental effects on respiratory diseases: investigation in a population sample of schoolchildren of Palermo", supported by ARPA Sicilia

2007-2009 Principal investigator of the project "Environmental effects on respiratory diseases: multiparametric analysis of a representative sample of schoolchildren of Palermo (PEGGS Pollen Environment Genetics Group Study)", supported by ARPA Sicilia

2008-2011	WP4 responsible of the Pilot study to assess short-term effects of exposure air pollutants in subjects with pre-existent lung diseases in Italy in the context of “Progetto Interdipartimentale Ambiente e Salute (PIAS)” of National Research Council of Italy
2010-2012	Responsible of European Project “Schools Indoor Pollution and Health: Observatory Network in Europe – <i>SINPHONIE</i> ” funded by DG SANCO
2010-2012	Responsible of CNR operative unit , Project “ <i>Risk communication and evaluation of factors influencing the perception of risk in environmental epidemiology</i> ” funded by MIUR, PRIN 2008
2010-2013	Responsible of Palermo Unit in the context of project “Exposure to indoor pollutants: guidelines for the evaluation of risk factors in the school environment and the definition of measures for the protection of the respiratory health of children and adolescents (<i>Indoor-School</i>)” funded by Ministry for Health – CCM 2010
2011-2013	Responsible of WP3 in the context of project “Indoor and Outdoor Air quality and Respiratory Health in Malta and Sicily – <i>RESPIRA</i> Project” funded by Crossborder Program Italy-Malta 2007-2013
2013-2014	IBIM Responsible in the Project “Consolidation and extension of rare disease surveillance in Sicily”
2014-2017	IBIM Responsible in FP7 European Project (FP7-SEC-2013-1) IMPRESS (IMproving Preparedness and Response of HEalth Services in major criseS), Task 4.3 - Italian Use Case
2014-2015	Responsible for training activity “Primary prevention. Monitoring of environment-health relationships: development of sensors” in the profile “Primary, secondary and tertiary prevention in respiratory diseases: respiratory health indicators, molecular markers of pathological phenotypes and monitoring of drug therapeutic efficacy”. Project “Cellular and Molecular Biotechnologies and Biosensors for Human Health Monitoring”, ID n. 22, CUP G78B14000080006, Public Notice n. 1 of 26/1/2012 - Enforcing employability in the R&D system and the emergence of research spin-offs in Sicily
2015-2017	IBIM Responsible in the Project “Improvement of the characteristics of the Rare disease surveillance system”
2016-2019	WP 5 Responsible (“Molecular Epidemiology”) in the Project “International Centre of advanced study in environment, ecosystem and human health - CISAS”, funded by CIPE (resolution n. 105/2015 of 23/12/2015)
2017-2019	IBIM Responsible in the Project “Improvement of the regional surveillance system for congenital malformations”

Selection of publications on peer-reviewed journals

1. V. Bellia, G. Peralta, S. Oddo, G. Migliara, S. Amoroso, **Cibella F**, G. Bonsignore: Applicability of a simple nasal provocation test in etiologic diagnosis of bronchial asthma. *Respiration*, 45, 1984 (81-87).
2. V. Bellia, **Cibella F**, P. Coppola, V. Greco, G. Insalaco, F. Milone, S. Oddo, G. Peralta: Variability of peak expiratory flow rate as a prognostic index in asymptomatic asthma. *Respiration*, 46, 1984 (328-333).

3. V. Bellia, **Cibella F**, G. Migliara, G. Peralta, G. Bonsignore: Characteristics and prognostic value of morning dipping of peak expiratory flow rate in stable asthmatics subjects. *Chest*, 88, 1985 (89-93).
4. G. Insalaco, S.T. Kuna, **Cibella F**, R.D. Villeponteaux: Thyroarytenoid muscle activity during hypoxia, hypercapnia, and voluntary hyperventilation in humans. *J. Appl. Physiol.*, 69, 1990 (268-273)
5. **Cibella F**, O. Marrone, S. Sanci, V. Bellia, G. Bonsignore: Expiratory timing in obstructive sleep apnoeas. *Eur. Respir. J.*, 3, 1990 (293-298).
6. G. Insalaco, S.T. Kuna, B.M. Costanza, G. Catania, **Cibella F**, V. Bellia: Thyroarytenoid muscle activity during loaded and nonloaded breathing in adult humans. *J. Appl. Physiol.*, 70, 1991 (2410-2416).
7. **Cibella F**, Cuttitta G, S. Romano, A. Grassino, V. Bellia: Ventilatory response to spontaneous resistive load variations during sleep. *J. Appl. Physiol.*, 76, 1994 (2394-2404).
8. V. Bellia, A. Bonanno, **Cibella F**, Cuttitta G, A. Mirabella, M. Profita, AM. Vignola, G. Bonsignore: Urinary leukotriene E4 in the assessment of nocturnal asthma. *J Allergy Clin Immunol*, 97, 1996 (735-741).
9. **Cibella F**, Cuttitta G, Kayser B, Narici M, Romano S, Saibene F: Respiratory mechanics during exhaustive submaximal exercise at high altitude in healthy humans. *J Physiol (London)*, 494, 1996 (881-890).
10. **Cibella F**, Cuttitta G, S. Romano, V. Bellia, G. Bonsignore. Evaluation of diaphragmatic fatigue in obstructive sleep apnoeas during non-REM sleep. *Thorax*, 52, 1997 (731-735).
11. Bellia V, Cuttitta G, **Cibella F**, Vignola AM, Crescimanno G, D'Accardi P, Catalano F, Bonsignore G. Effect of ageing on peak expiratory flow variability and nocturnal exacerbations in bronchial asthma. *Eur Respir J*, 10, 1997 (1803-1808).
12. Bellia V, **Cibella F**, Cuttitta G, N. Scichilone, G. Mancuso, A.M. Vignola, G. Bonsignore: Effect of age upon airway obstruction and reversibility in adult patients with asthma. *Chest*, 114, 1998 (1336-1342).
13. **Cibella F**, Cuttitta G, S. Romano, B. Grassi, G. Bonsignore, J. Milic-Emili. Respiratory Energetics during exercise at high altitude. *J Appl Physiol*, 86, 1999 (1785-1792).
14. Cuttitta G, **Cibella F**, A. Visconti, N. Scichilone, V. Bellia, G. Bonsignore. Spontaneous gastroesophageal reflux and airway patency during the night in adult asthmatics. *Am J Respir Crit Care Med*, 161, 2000 (177-181)
15. Cuttitta G, **Cibella F**, V. Bellia, V. Grassi, S. Cossi, S. Bucchieri, G. Bonsignore. Changes in FVC during methacholine-induced bronchoconstriction in elderly patients with asthma. *Chest*, 119, 2001 (1685-1690).
16. **Cibella F**, Cuttitta G, V. Bellia, S. Bucchieri, S. D'Anna, D. Guerrera, G. Bonsignore. Lung function decline in bronchial asthma. *Chest*, 122, 2002 (1944-1948)
17. The ENFUMOSA Study Group. The ENFUMOSA cross-sectional European multicentre study of the clinical phenotype of chronic severe asthma. *Eur Respir J*, 22, 2003 (470-477)
18. Cuttitta G, **Cibella F**, La Grutta S, M.R. Hopps, S. Bucchieri, G. Passalacqua, G. Bonsignore. Nonspecific bronchial hyperresponsiveness in children with allergic rhinitis: relationship with the atopic status. *Pediatr Allergy and Immunology*, 14, 2003 (458-463)
19. **Cibella F**, Cuttitta G, La Grutta S, Hopps MR, Passalacqua G, Pajno GB, Bonsignore G. Bronchial hyperresponsiveness in children with atopic rhinitis: a seven-year follow-up. *Allergy*, 59, 2004 (1074-1079)
20. Romagnoli M, Caramori G, Braccioni F, Ravenna F, Barreiro E, Siafakas NM, Vignola AM, Chanez P, Fabbri LM, Papi A; Abraham B, Antó, JM, Barreiro E, Bel EHD, Bonsignore G, Bousquet J,

- Castellsague J, Chanez P, **Cibella F**, and the ENFUMOSA Study Group. Near-fatal asthma phenotype in the ENFUMOSA Cohort. *Clin Exp Allergy*, 37, 2007 (552-557)
21. **Cibella F**, Cuttitta G, La Grutta S, Passalacqua G, Viegi G. Factors that influence exhaled nitric oxide in Italian schoolchildren. *Ann Allergy Asthma Immunol*, 101, 2008 (407-412)
22. Gagliardo R, La Grutta S, Chanez P, Profita M, Paternò A, **Cibella F**, Bousquet J, Gjomarkaj M. Noninvasive markers of airway inflammation and remodeling in childhood asthma. *Pediatr Allergy Immunol*. 2009;20:780-790
23. Cuttita G., **Cibella F**, La Grutta S, Melis MR, Baldacci S, Maio S, Simoni M, Pistelli F, Carozzi L, Viegi G. The burden of asthma revisited. *Asma: Impatto epidemiologico e attuali conoscenze. It J Allergy Clin Immunol* 2009;19:111-126
24. Pellegrini M, Rotolo MC, La Grutta S, **Cibella F**, Garcia-Algar O, Bacosi A, Cuttitta G, Pacifici R, Pichini S. Assessment of exposure to environmental tobacco smoke in young adolescents following implementation of smoke-free policy in Italy. *Forensic Sci Int*. 2010; 196:97-100
25. **Cibella F**, Cuttitta G, La Grutta S, Melis MR, Lospalluti ML, Uasuf CG, Bucchieri S, Viegi G. Proportional Venn diagram and determinants of allergic respiratory diseases in Italian adolescents. *Pediatr Allergy Immunol* 2011;22:60-68.
26. La Grutta S, **Cibella F**, Passalacqua G, Cuttitta G, Liotta G, Ferlisi A, Viegi G. Association of *Blattella germanica* sensitization with atopic diseases in pediatric allergic patients. *Pediatr Allergy Immunol*. 2011;22:521-527
27. Volanti P, **Cibella F**, Sarvà M, De Cicco D, Spanevello A, Mora G, La Bella V. Predictors of non-invasive ventilation tolerance in amyotrophic lateral sclerosis. *J Neurol Sci*. 2011;303:114-118.
28. Dongarrà G, Lombardo M, Tamburo E, Varrica D, **Cibella F**, Cuttitta G. Concentration and reference interval of trace elements in human hair from students living in Palermo, Sicily (Italy). *Environ Toxicol Pharmacol* 2011;32:27-34.
29. Caponnetto P, **Cibella F**, Mancuso S, Campagna D, Arcidiacono G, Polosa R. Effect of a nicotine free inhalator as part of a smoking cessation program. *Eur Respir J*. 2011;38:1005-1011
30. **Cibella F**, Cuttitta G, La Grutta S, Melis MR, Bucchieri S, Viegi G. A cross-sectional study assessing the relationship between BMI, asthma, atopy and eNO among schoolchildren. *Ann Allergy Asthma Immunol*. 2011;107:330-336
31. La Grutta S, Ferrante G, Malizia V, **Cibella F**, Viegi G. Environmental effects on fractional exhaled nitric oxide in allergic children. *J Allergy (Cairo)*. 2012;2012:916926
32. Ferrante G, Simoni M, **Cibella F**, Ferrara F, Liotta G, Malizia V, Corsello G, Viegi G, La Grutta S. Third-hand smoke exposure and health hazards in children. *Monaldi Arch Chest Dis*. 2013;79:38-43
33. Caponnetto P, Campagna D, **Cibella F**, Morjaria JB, Caruso M, Russo C, Polosa R. Efficiency and Safety of an eLectronic cigAreTte (ECLAT) as Tobacco Cigarettes Substitute: A Prospective 12-Month Randomized Control Design Study. *PLoS One* 2014;2:9(1)
34. Audino P, La Grutta S, **Cibella F**, La Grutta S, Melis MR, Bucchieri S, Alfano P, Marcantonio S, Cuttitta G. Rhinitis as a risk factor for depressive mood in pre-adolescents: a new approach to this relationship. *Pediatr Allergy Immunol* 2014;16
35. Bruno A, Pace E, **Cibella F**, Chanez P. Body Mass Index and comorbidities in adult severe asthmatics. *Biomed Res Int* 2014
36. Bonanno A, Gangemi S, La Grutta S, Malizia M, Riccobono L, Colombo P, **Cibella F**, Profita M. 25-Hydroxyvitamin D, IL-31, and IL-33 in Children with Allergic Disease of the Airways. *Mediators of Inflammation* 2014
37. **Cibella F**, Ferrante G, Cuttitta G, Bucchieri S, Melis MR, La Grutta S, Viegi G. The burden of rhinitis and rhinoconjunctivitis in adolescents. *Allergy Asthma Immunol Res* 2014;

38. Longo V, Costa MA, **Cibella F**, Cuttitta G, La Grutta S, Colombo P. Multiple IgE recognition on the major allergen of the Parietaria pollen Par j 2. *Mol Immunol* 2014;
39. **Cibella F**, Cuttitta G, Della Maggiore R, Ruggieri S, Panunzi S, De Gaetano A, Bucchieri S, Drago G, Melis MR, La Grutta S, Viegi G. Effect of indoor nitrogen dioxide on lung function in urban environment. *Environ Res.* 2015;138:8-16
40. Polosa R, Caponnetto P, **Cibella F**, Le Houezec J. Quit and smoking reduction rates in vape shop consumers: a prospective 12-month survey. *Int J Environ Res Public Health* 2015;12: 3428-3438
41. **Cibella F**, Bruno A, Cuttitta G, Bucchieri S, Melis MR, De Cantis S, La Grutta S, Viegi G. An elevated body mass index increases lung volume but reduces airflow in Italian schoolchildren. *PLoS One* 2015;10:e0127154
42. Farsalinos KE, **Cibella F**, Caponnetto P, Campagna D, Morjaria JB, Battaglia E, Caruso M, Russo C, Polosa R. Effect of continuous smoking reduction and abstinence on blood pressure and heart rate in smokers switching to electronic cigarettes. *Intern Emerg Med.* 2016;11:85-94
43. Russo C, **Cibella F**, Caponnetto P, Campagna D, Maglia M, Frazzetto E, Mondati E, Caruso M, Polosa P. Evaluation of post cessation weight gain in quitters who have switched to electronic cigarettes. *Sci Rep.* 2016;6:18763
44. Montalbano L, Cilluffo G, Gentile M, Ferrante G, Malizia V, **Cibella F**, Viegi G, Passalacqua G, La Grutta S. Development of a nomogram to estimate the Quality of Life (QoL) in asthmatic children by using the Childhood Asthma Control Test (C-ACT). *Pediatr Allergy Immunol.* 2016;27:514-520
45. Campagna D, **Cibella F**, Caponnetto P, Amaradio MD, Caruso M, Morjaria JB, Malerba M, Polosa R. Changes in breathomics from a 1-year randomized smoking cessation trial of electronic cigarettes. *Eur J Clin Invest.* 2016; 46:698-706
46. **Cibella F**, Campagna D, Caponnetto P, Amaradio MD, Caruso M, Russo C, Cockcroft DW, Polosa R. Lung function and respiratory symptoms in a randomized smoking cessation trial of electronic cigarettes. *Clin Sci (Lond)* 2016; 130:1929-1937
47. Censi P, **Cibella F**, Falcone EE, Cuttitta G, Saiano F, Inguaggiato C, Latteo V. Rare earths and trace elements contents in leaves: A new indicator of the composition of atmospheric dust. *Chemosphere* 2017; 169:342-350
48. Ruggieri S, Drago G, Longo V, Colombo P, Balzan M, Bilocca D, Zammit C, Montefort S, Scaccianoce G, Cuttitta G, Viegi G, **Cibella F**. RESPIRA Project Group. Sensitization to dust mite defines different phenotypes of asthma: a multicenter study. *Pediatr Allergy Immunol.* 2017 Aug 7. doi: 10.1111/pai.12768
49. Fasola S, La Grutta S, **Cibella F**, Cilluffo G, Viegi G. Global Lung Function Initiative 2012 reference values for spirometry in South Italian children. *Respir Med.* 2017; 131:11-17
50. Polosa R, **Cibella F**, Caponnetto P, Maglia M, Prosperini U, Russo C, Tashkin D. Health impact of E-cigarettes: a prospective 3.5-year study of regular daily users who have never smoked. *Sci Rep* 2017; 7:13825. doi: 10.1038/s41598-017-14043-2
51. Bonura A, Di Blasi D, Barletta B, Butteroni C, Corinti S, Gervasi F, Melis Mario R, Uasuf C, **Cibella F**, Di Felice G, Colombo P. Modulating allergic response by engineering the major Parietaria allergens. *J Allergy Clin Immunol*, 2017

