

Fulvio Braido

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Present Post :Associate Professor in Respiratory Diseases at the Department of Internal Medicine and Medical Specialties (DIMI) University of Genoa, Italy con
Head of Respiratory for continuity of care- IRCCS University Hospital San Martino – Genoa.

Background qualifications and University degrees:

- Graduated in Medicine and Surgery on 01/04/93 at the University of Genoa with final mark: 110/110 with honours.
- Qualified as Specialist in Respiratory Diseases at the Postgraduate Speciality School of Respiratory Diseases of the University of Genoa on 18th November 1997 (Final mark: 50/50)
- Qualified as Specialist in Allergology and Clinical Immunology at the Speciality School of Allergology and Clinical Immunology in 18th November 1997 (Final mark: 50/50).

Working and Teaching activities:

- From 1st November 1993 to 31st October 1997 resident physician at the Respiratory Disease Department - University of Genoa.
- From 1st May 2001 to 14th December 2016 Medical executive of the Respiratory Diseases and Allergy – Department of Internal Medicine – University and Research Hospital “San Martino” of Genoa in charge of reasonability (Modulo C1 TP) for respiratory failure, lung ventilation and long term oxygen Therapy from 1st November 2011 to 31st December 2011;
- High professional responsibility for respiratory failure, lung ventilation and long term oxygen therapy from 1st January 2012 to 30th April 2014; Chief of Critical Area Unit for Chronic

Respiratory Failure and Nocturnal Breathing Disorders from 1st May 2014 to 14th December 2016.

- From 15th December 2016 and ongoing Associate Professor of Respiratory Medicine - University of Genoa –
- From July 1st 2020 Head of Respiratory unit for continuity of care - University and Research Hospital “San Martino” of Genoa.
- Teaching activities performed before the appointment of the title of Associate Professor:
 - o Contract professor for the course of “Respiratory Diseases” – Postgraduate Specialty School of Respiratory Diseases - University of Genoa - from 2001 till now
 - o Contract professor for the course of “Respiratory Diseases” - Course of applied nursing techniques - University Diploma of Nursing - University of Genoa - 2001/2002
 - o Contract professor for the course of “Respiratory Diseases” - Integrated course of Clinical Nursing in Medicine and Surgery (interdisciplinary) - University of Genoa - 2002/2003, 2003/2004, 2004/2005, 2005/2006, 2006/2007, 2007/2008, 2008/2009, 2009/2010, 2010/2011, 2011/2012
 - o Contract professor for the course of “Inflammatory Lung Disorders”, adjunct course of the Official Course of Respiratory Diseases, at the Bachelor’s Degree Course in Medicine and Surgery, University of Genoa 2003/2004, 2004/2005, 2005/2006, 2006/2007, 2007/2008, 2008/2009.
 - o Contract professor for the course of “Inflammatory Lung Disorders”, adjunct course of the Official Course of Respiratory Diseases, at the Master’s Degree Course in Medicine and Surgery, University of Genoa 2009/2010, 2010/2011, 2011/2012, 2012/2013.
 - o Professor for the course of "Respiratory Diseases" - Course of general and specialized medicine applied to rehabilitation - Degree in Physiotherapy - University of Genoa. 2013/2014, 2014/2015, 2015/2016.
 - o Lecturer for the Master in "Marketing Management in the Pharmaceutical Sector" of the Faculty of Pharmacy, University of Pavia - 2005/2006, 2006/2007, 2007/2008, 2008/2009, 2009/2010, 2010/2011, 2011/2012.

Involvement in Scientific Societies and international bodies

Elected President of Interasma (International Society of Asthmology)

Former Chairman of the Continuing Medical Education Committee of European Academy of Allergy & Clinical Immunology and European Accreditation Board in Allergology and Clinical Immunology (EBAACI).

Collaborator of MASK-rhinitis (MACVIA-ARIA) Sentinel Network MASK-rhinitis (MACVIA-ARIA Sentinel Network) parte del Action Plan B3 of the European Innovation Partnership on Active and Healthy Ageing (EIP on AHA).

Former executive committee member of Italian Respiratory Society

Scientific Communication activity

Speaker in more than 300 national and international meetings. Chair of PNEUMOTECH (Scuola di Perfezionamento in Tecnologia Applicata alla Pneumologia) 2004-2012. Chair of Respiratory Critical Care Work Shadowing meetings held in Genoa 2011, 2012, 2015, 2016. Co-Chairman

Highlights in Allergy & Respiratory Diseases Congress 2013-2017. Member of the working group for Italian asthma, COOD and rhinitis guidelines updating from 2004.

Editorial board membership:.

Journal of Allergy & Therapy, Biomed research international, Canadian Respiratory Journal, Clinical and Translational Allergy, Journal of European CME, Journal of Allergy & Therapy, Minerva Mendica

Involvement as principal investigator or co-investigator in clinical trials:

“Disability in moderate COPD patients and its relationship with comorbidities and patients reported outcomes”. Principal Investigator.

“Satisfaction and Adherence to COPD Treatment” SAT-COPD Italian observational study. Prot 1237.51 SAT. Principal Investigator.

“Evaluation of sleep quality in asthma patient and the relationship with PROs”. Principal Investigator.

Prot. NB19751 “A Double-Blind Placebo Controlled Efficacy (as assessed by post-bronchodilator FEV₁) and Safety Study of 5 mg RO3300074 once daily for 2 years in Subjects with Smoking-Related, Moderate-to-Severe COPD with Emphysema Receiving Concurrent Optimal COPD Drug Therapy”.

Prot. D5890L00022 “Local Phase 4 Pan-European SMART Study”.

Prot. MC/PR/033004/002/06 “Multicentre, multinational, randomized double blind, double dummy, active drug controlled parallel group study design clinical trial of the efficacy and tolerability of beclomethasone dipropionate 2050mcg plus salbutamol 100mcg in HFA pMDI fixed combination vs. Beclomethasone dipropionate 250mcg plus salbutamol 100mcg in CFC pMDI (Clenil Compositum 250) fixed combination in a 12 week treatment period of adult patients with uncontrolled asthma”.

Prot. OPL104226 “Observational Study Of An Electronic Questionnaire In Patients With Chronic Obstructive Pulmonary Disease (COPD)”.

Prot. BY217/M2-127 “Effect of Roflumilast on Lung Function in Chronic Obstructive Pulmonary Disease (COPD) Patients Treated With Salmeterol: The EOS Study”.

Prot. ML-05 “Valutazione, in uno studio DBPC, degli effetti sulla flogosi allergica, attraverso lavaggio e scraping nasale, e sui sintomi di Montelukast 10 mg versus placebo somministrato una volta al giorno per 4 settimane a pazienti affetti da rinite allergica persistente”.

Prot. 265 MK0476-265-0 “MK0476 Study in Adult Patients With Perennial Allergic Rhinitis”.

European project- 6th framework program. FOOD-CT-2004-506378 (NOE) GA2LEN “Global Allergy and Asthma European Network”

Prot. M/34273/34 “Efficacy and safety of aclidinium bromide at two dose levels vs placebo when administered to patients with moderate to severe chronic obstructive pulmonary disease (COPD)”.

Prot. M/40464/30 LAC30 “Almirall M/40464/30 A phase III double-blind, randomized, parallel group, multicentre study, to investigate the efficacy and safety of an aclidinium bromide/ formoterol fumarate fixed dose combination compared with each individual component and placebo when administered to patients with stable chronic obstructive pulmonary disease (COPD)”.

Prot. HZC102871 Horizon “A 52-week efficacy and safety study to compare the effect of three dosage strengths of Fluticasone Furoate/GW642444 Inhalation Powder with GW642444 on the Annual Rate of Exacerbations in Subjects with Chronic Obstructive Pulmonary Disease (COPD)”.

Prot. CQAB149B2348 “A phase IIIb multicenter, 52 week treatment, randomized, blinded, double dummy, parallel group efficacy study comparing the effect of inhaled indacaterol 150 mcg o.d. vs inhaled tiotropium 18 mcg o.d. on lung function, rate of exacerbations and related outcomes in patients with COPD”.

Prot. CQMF149B2201 “A Dose Ranging Trial of 4 Doses of Indacaterol Delivered Via Twisthaler in Patients With Chronic Obstructive Pulmonary Disease (COPD)”.

Prot. BV2007/02 “Multicentre, double-blind, placebo-controlled, randomised clinical study of Broncho-Vaxom® (Broncho-Munal®) for the protection from acute exacerbations of COPD”.

Prot. PIRRI/CT/001 “ISMIGEN – AIACE: Advanced immunological approach in COPD exacerbation”.

CQAB149B2401 “Comparison of Indacaterol 150 µg Once Daily (o.d.) With Salmeterol/Fluticasone Propionate 50 µg/500 µg Twice Daily (b.i.d.)”.

Prot. CD-ID-MEDI-557-1089 “An Observational Study to Assess RSV-associated Illness in Adults With COPD and/or CHF.

Prot. RO-2455-404-RD “Roflumilast in Chronic Obstructive Pulmonary Disease (COPD) Patients Treated With Fixed Combinations of Long-acting β 2-agonists (LABA) and Inhaled Glucocorticosteroid (ICS).

Prot. LAN-BR-11-001 “Clinical study on the efficacy and tolerability of an immunostimulant based on bacterial lysates (LANTIGEN B) in the prophylaxis of respiratory infections, with particular reference to patients with allergy to perennial inhalant. Double-blind study versus placebo, randomized, multi-center”.

Prot. D5896C00027 “A 6 Month Safety Study Comparing Symbicort With Inhaled Corticosteroid Only in Asthmatic Adults and Adolescents “

Respiratory allergies: GINA and ARIA guidelines monitoring project(ARGA). AIFA Ministry of Health.

Project: "Amyotrophic lateral sclerosis (ALS) and severe neuromuscular diseases: from molecular mechanisms to taking charge of the patient". Regione Liguria.

Prot. CCD05993AA1-08 TRIBUTE “a 52 week double blind, double dummy, randomized, multinational, multicentre, 2-arm parallel group, active controlled clinical trial of fixed combination of beclomethasone dipropionate plus formoterol fumarate plus glycopyrronium bromide administered via PMDI (CHF5993) versus indacaterol/glycopyrronium (ULTIBRO) via DPI in patients with COPD.

Prot. MBTC 206 “Phase II A, two-part, randomized, multicenter, international, double-blind, placebo-controlled parallel group study aimed to assess efficacy and safety of BTC197 added to the standard of care for the treatment of COPD exacerbation requiring hospitalization in adults ”.

Prot. D3251C00003 Randomised, Double-blind, 56 Week Placebo-controlled, Parallel Group, Multicentre, Phase 3 Study to Evaluate the Efficacy and Safety of 2 Doses of Benralizumab(MEDI-563) in Patients With Moderate to Very Severe COPD with a History of Exacerbations (“Galathea”).

Evaluation of sleep quality in asthma patient and the relationship with PROs.

TRIBUTE- prot. CCD-05993AA1-08 - A 52-week, Double Blind, Double dummy, Randomized, Multinational, Multicentre, 2-arm Parallel Group, active Controlled Clinical Trial of fixed combination of beclometasone dipropionate plus formoterol fumarate plus Glycopyrronium bromide administered via pMDI (CHF 5993) versus indacaterol/glycopyrronium (Ultibro®) via DPI in patients with Chronic Obstructive Pulmonary Disease.

SAT - SATISFACTION AND ADHERENCE TO COPD TREATMENT (observational cross-sectional and perspective trial).

NOVELTY- prot D2287R00103 - A NOVEL Observational longiTudinal studY on Patients With Asthma and/or COPD to Describe Patient Characteristics, Treatment Patterns and the Burden of Illness Over Time and to Identify Phenotypes and Endotypes.

IRIDE - The Italian RegIstry of aDult bronchiectasis

SANI Project - Severe Asthma Network in Italy

Research interests:

Evaluation of Patient Reported Outcomes (PROs) in patients with respiratory and allergic diseases.

Development and validation of tools for the evaluation of PROs in respiratory and allergic diseases.

Development and carrying out studies in real-life for the evaluation of cognitive, psychological and behavioral in the management of respiratory diseases (asthma, cystic fibrosis, COPD).

Assessment of bacterial lysates / drugs clinical and immunological changes in patients with recurrent respiratory infectious diseases, asthma and COPD.

Relationship between sleep apnea and obstructive airways diseases.

Development and validation of Expert System for facilitating the diagnosis of Chronic obstructive lung diseases.

Scientific production

Author of 201 scientific papers cited in Pubmed/Scopus with an H-Index (Gooogle Scholar): 38; Citations (Google Scholar): 6284; H-index Scopus: 31; Overall Citations (Scopus) :4036 (Data at Oct 2020).

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199. Baiardini I, Contoli M, Corsico AG, Scognamillo C, Ferri F, Scichilone N, Rogliani P, Di Marco F, Santus P, Braido F. Exploring the Relationship between Disease Awareness and Outcomes in Patients with Chronic Obstructive Pulmonary Disease. *Respiration.* 2021;100(4):291-297. doi:

10.1159/000513953. Epub 2021 Mar 11. PMID: 33706318; PMCID: PMC8220921.

198. Tagliabue E, Trucco E, Braido F. Epidemiology of severe asthma and international register. *Minerva Med.* 2021 Mar 8. doi: 10.23736/S0026-4806.21.07281-5. Epub ahead of print. PMID: 33682397.

197. Bagnasco D, Passalacqua G, Braido F, Tagliabue E, Cosini F, Filauro M, Ioppi A, Carobbio A, Mocellin D, Riccio AM, Canevari FR. Quick Olfactory Sniffin' Sticks Test (Q-Sticks) for the detection of smell disorders in COVID-19 patients. *World Allergy Organ J.* 2021 Jan;14(1):100497. doi: 10.1016/j.waojou.2020.100497. Epub 2021 Jan 20. PMID: 33495704; PMCID: PMC7816565.

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biological treatments for severe asthma. *World Allergy Organ J*. 2020;13(7):100441. Published 2020 Jul 31. doi:10.1016/j.waojou.2020.100441

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assessing quality of life in patients with asthma and rhinitis. *Clin Exp Allergy*. 2020;50(6):662- 671. doi:10.1111/cea.13599.

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da Silva J, Serpa FS, Larenas-Linnemann D, Fuentes Perez JM, Huerta-Villalobos YR, Rivero-Yeverino D, Rodriguez-Zagal E, Valiulis A, Dubakiene R, Emuzyte R, Kvedariene V, Annesi-Maesano I, Blain H, Bonniaud P, Bosse I, Dauvilliers Y, Devillier P, Fontaine JF, Pépin JL, Pham-Thi N, Portejoie F, Picard R, Roche N, Rolland C, Schmidt-Grendelmeier P, Kuna P, Samolinski B, Anto JM, Cardona V, Mullol J, Pinnock H, Ryan D, Sheikh A, Walker S, Williams S, Becker S, Klimek L, Pfaar O, Bergmann KC, Mösges R, Zuberbier T, Roller-Wirnsberger RE, Tomazic PV, Haahtela T, Salimäki J, Toppila-Salmi S, Valovirta E, Vasankari T, Gemicioğlu B, Yorgancioglu A, Papadopoulos NG, Prokopakis EP, Tsiligianni IG, Bosnic-Anticevich S, O'Hehir R, Ivancevich JC, Neffen H, Zernotti ME, Kull I, Melén E, Wickman M, Bachert C, Hellings PW, Brusselle G, Palkonen S, Bindeslev-Jensen C, Eller E, Wasserman S, Boulet LP, Bouchard J, Chu DK, Schünemann HJ, Sova M, De Vries G, van Eerd M, Agache I, Ansotegui IJ, Bewick M, Casale T, Dykewick M, Ebisawa M, Murray R, Naclerio R, Okamoto Y, Wallace DV; The MASK study group. *Clin Transl Allergy*. 2019 Mar 11;9:16.

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Translational value of the research activity carried out on Patient Reported Outcomes

Rhinasthma

Validation paper:

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- Rogkakou A, Guerra L, Massacane P, Baiardini I, Baena-Cagnani R, Zanella Ch, Canonica GW, Passalacqua G Effects on symptoms and quality of life of hypertonic saline nasal spray added to antihistamine in persistent allergic rhinitis-a randomized controlled study. *Allerg Immunol*. 2005.
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RhinAsthma patient perspective (RAPP)

Validation paper:

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Drug Hypersensitivity Quality of Life Questionnaire (DhRy-Q)

Validation paper

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Chronic Urticaria Quality of Life Questionnaire (CU-Q2oL)

Validation paper

- Baiardini I, Pasquali M, Braidó F, Fumagalli F, Guerra L, Compalati E, Braga M, Lombardi C, Fassio O, Canonica GW. A new tool to evaluate the impact of chronic urticaria on quality of life: Chronic urticaria quality of life questionnaire (Cu-Q2oL). *Allergy*. 2005.
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 - Polish Archives of Internal medicine,
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 - Medical Devices: Evidence and Research,
 - Canadian Respiratory Journal,
 - The Lancet Respiratory Medicine,
 - Pulmonary Pharmacology and Therapeutics,
 - Clinical & Experimental Allergy.
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- **Reviewer** for “Project Grant Application: Can a Goal-Focussed Intervention Delivered In Scottish Community Pharmacies Improve Outcomes for People With Intermittent Allergic Rhinitis? A Pilot Randomised Controlled Trial” – Scottish Government

 - **Reviewer** for “Development and evaluation of a core set of patient reported outcome measures (PROMs) for allergic diseases” project (Application Ref No HRA_HSR/2012/32) Ireland Government.

Genova October 25th 2021