

**ANDREA GRAMEGNA
CURRICULUM VITAE**

SURNAME	GRAMEGNA
NAME	ANDREA
DATA DI NASCITA	17 AUGUST 1986

A1. PRESENT RANK AND POSITION

Assistant Professor in Respiratory Disease
Department of Pathophysiology and Transplantation
University of Milano
Via Festa del Perdono 7
20122 Milan Italy

Consultant in Respiratory Disease
Internal Medicine Department, Respiratory Unit and Adult Cystic Fibrosis Center
Fondazione IRCCS Cà Granda Ospedale Maggiore Policlinico Milano
[Via Francesco Sforza 35](#)
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A2. PREVIOUS ACADEMIC APPOINTMENTS

February 2019 - now	Assistant Professor and Consultant Adult CF Center and Bronchiectasis Programme Department of Pathophysiology and Transplantation, University of Milano Internal Medicine Department, Respiratory Disease and Adult CF Center IRCCS Fond. Ca' Granda Ospedale Maggiore Policlinico, Milano <i>From march 2020 to January 2021 consultant for respiratory disease in a high dependency unit for the treatment of COVID-19 patients.</i>
2017 - February 2019	Consultant in Respiratory Medicine Respiratory Unit and Adult Cystic Fibrosis Center IRCCS Fond. Ca' Granda Ospedale Maggiore Policlinico, Milan, Italy
2012 - 2017	Fellow in Respiratory Medicine University of Milan, Milan, Italy Final thesis on: <i>The role of sputum glucose in cystic fibrosis</i> Score: 70/70 <i>cum laude</i>
February – August 2016	Clinical Research Fellow Northern Ireland Adult CF Centre (Prof. S. Elborn; Prof J. Moore) Belfast City Hospital, 51 Lisburn Road, Belfast BT9 7AB
2006-2011	Medical Student University of Milan, Milan, Italy Final thesis: <i>The role of diaphragmatic ultrasonography in the management of patients with Steinert disease</i> Score: 110/110 <i>cum laude</i>

B. RESEARCH

B1. AWARD AND RECOGNITIONS

2019	ADVANCE Programme (formation programme open to 10-15 CF specialists within 5-10 years post-specialisation) sponsored by Vertex Spa
2017	SIP/IRS Short-Term Research Fellowship 2016 at Adult CF Centre, Belfast City Hospital, Belfast NI – UK (mentor: Prof. Elborn)
2016	<i>Evidence-based Practice core-curriculum</i> with the achievement of the European certification EU-EBM Unity, GIMBE Foundation (www.gimbe.org), Bologna, Italy (mentor: Nino Cartabellotta).
2016	Research grant sponsored by the Italian Respiratory Society for the National School in Respiratory Medicine, Milano 28 nov – 1 dec 2016 (Prof. F. Blasi, Prof S. Centanni)
2014	Charitable grant in collaboration with prof. Francesco Blasi sponsored by Vertex Spa (CF Circle-of-Care) with the project of a smartphone application (50k USD),

B2. INTERNATIONAL AND NATIONAL MEMBERSHIP

2021-today	Member of the Executive Committee ECFS Standard of Care, European Society of Cystic Fibrosis (ECFS)
2020-today	Scientific Board of the Italian Registry of pulmonary NTM (IRENE)
2019-today	Task Force on Radiology in Cystic Fibrosis, Italian Society of Cystic Fibrosis (SIFC)
2018-today	Working group on Adult care, Italian Society of Cystic Fibrosis (SIFC)
2016-today	Member of the Italian Respiratory Society (SIP/IRS)
2015-today	Member of the European Respiratory Society (ERS)

B3. EDITORIAL APPOINTMENTS

2021-today *Associate Editor* for Respiratory Research

Reviewer for the following International papers: BMC Pulmonary Disease; European Journal of Internal Medicine; Pulmonary Pharmacology and Therapeutics; Multidisciplinary Respiratory Medicine; Respiratory Research; European Respiratory Journal; Chest.

B.4 RESEARCH AND STUDY PROTOCOLS

Ongoing

- MAHALE study, a Multicentre, Randomised, Placebo-controlled, 52-Week, Phase III Study With an Open-label Extension to Evaluate the Efficacy and Safety of Benralizumab in Patients With Non-Cystic Fibrosis Bronchiectasis (**principal investigator**)
- VX20-121-102 and 103 studies, two Phase-3 Randomized, Controlled Study Evaluating the Efficacy and Safety of VX-121 Combination Therapy in Subjects with Cystic Fibrosis Who are Heterozygous

for F508del and a Minimal Function Mutation (102) or Homozygous for F508del, or Heterozygous for F508del and a Gating or Residual Function Mutation (103) (**principal investigator**)

- CF Italian Task Force Against COVID-19 Action 2020 (**principal investigator**)
- The Italian Registry of Non-Tuberculous Mycobacteria (IRENE, www.registroirene.it; [clinicaltrials.gov NCT03339063](https://clinicaltrials.gov/ct2/show/study/NCT03339063)) (sub-investigator)
- The Italian Registry of Bronchiectasis (IRIDE; <http://www.sipirs.it/cms/iride/>) (sub-investigator)
- Multicentric prospective observational spontaneous study on the evaluation of risk factors for mortality in adult patients with cystic fibrosis (**principal investigator**)
- OTTAWA study, a phase-2 RCT on oral tamoxifen in the treatment of adult patients with cystic fibrosis (sub-investigator)
- WILLOW study on safety and efficacy of a reversible inhibitor of neutrophil elastase in people with bronchiectasis (sub-investigator)

Past

- CORBUS JBT101-CF-01, a phase-2 RCT on efficacy and safety of lenabasum in CF (sub-investigator)
- Multicentric observational spontaneous study on the efficacy of lumacaftor/ivacaftor on exercise tolerance and daily activity levels in people with CF and homozygosity F508del (sub-investigator)
- Phase-2 RCT on safety, tolerability and efficacy of JBT-101 in people with CF (sub-investigator)
- DPM-CF-303 RCT on the use of dry powder mannitol in people with CF (sub-investigator)
- BETHKIS observational study on tolerability and efficacy of tobramycin (Bramitob) in people with CF and FEV1 < 40% (sub-investigator)
- FREE observational study on TOBI podhaler in patients with CF and chronic *Pseudomonas aeruginosa* infection (sub-investigator)
- VOICE Registry on people with CF and homozygosity F508del (sub-investigator)
- VOCAL Registry for people with CF and at least one gating mutation (sub-investigator)

B5. PUBLICATIONS

- Metrics overview at 14 sep 2021 (scopus.com): 56 documents; 416 citations; h-index 11
- <https://www.scopus.com/authid/detail.uri?authorId=54987074100>
- <https://orcid.org/0000-0003-2315-5737>

B5a. Peer reviewed articles

1. Bandera A, Nobili A, Tettamanti M, Harari S, Bosari S, Mannucci PM; **COVID-19 Network Working Group**. Clinical factors associated with death in 3044 COVID-19 patients managed in internal medicine wards in Italy: comment. *Intern Emerg Med*. 2021 Aug 18:1–4. doi: 10.1007/s11739-021-02797-7. Epub ahead of print. PMID: 34406632; PMCID: PMC8371578.
2. Oriano M, **Gramegna A**, Amati F, D'Adda A, Gaffuri M, Contoli M, Bindo F, Simonetta E, Di Francesco C, Santambrogio M, Sotgiu G, Blasi F, Aliberti S. T2-High Endotype and Response to Biological Treatments in Patients with *Bronchiectasis*. *Biomedicines*. 2021 Jul 2;9(7):772. doi: 10.3390/biomedicines9070772. PMID: 34356836; PMCID: PMC8301446.

3. Rossio R, Tettamanti M, Nobili A, Harari S, Mannucci PM, Bandera A, Peyvandi F; **COVID-19 network working group**. Clinical risk scores for the early prediction of severe outcomes in patients hospitalized for COVID-19: comment. *Intern Emerg Med*. 2021 Aug 3:1–4. doi: 10.1007/s11739-021-02807-8. Epub ahead of print. PMID: 34342788; PMCID: PMC8329608.
4. Bassetti M, Giacobbe DR, Bruzzi P, Barisione E, Centanni S, Castaldo N, Corcione S, De Rosa FG, Di Marco F, Gori A, **Gramegna A**, Granata G, Gratarola A, Maraolo AE, Mikulska M, Lombardi A, Pea F, Petrosillo N, Radovanovic D, Santus P, Signori A, Sozio E, Tagliabue E, Tascini C, Vancheri C, Vena A, Viale P, Blasi F; Italian Society of Anti-infective Therapy (SITA) and the Italian Society of Pulmonology (SIP). Clinical Management of Adult Patients with COVID-19 Outside Intensive Care Units: Guidelines from the Italian Society of Anti-Infective Therapy (SITA) and the Italian Society of Pulmonology (SIP). *Infect Dis Ther*. 2021 Jul 30:1–49. doi: 10.1007/s40121-021-00487-7. Epub ahead of print. PMID: 34328629; PMCID: PMC8323092.
5. Amati F, Simonetta E, Pilocane T, **Gramegna A**, Goeminne P, Oriano M, Pascual-Guardia S, Mantero M, Voza A, Santambrogio M, Blasi F, Aliberti S. Diagnosis and Initial Investigation of Bronchiectasis. *Semin Respir Crit Care Med*. 2021 Aug;42(4):513-524. doi: 10.1055/s-0041-1730892. Epub 2021 Jul 14. PMID: 34261176.
6. Oriano M, Amati F, **Gramegna A**, De Soyza A, Mantero M, Sibila O, Chotirmall SH, Voza A, Marchisio P, Blasi F, Aliberti S. Protease-Antiprotease Imbalance in Bronchiectasis. *Int J Mol Sci*. 2021 Jun 1;22(11):5996. doi: 10.3390/ijms22115996. PMID: 34206113; PMCID: PMC8199509.
7. Costantino A, Topa M, Roncoroni L, Doneda L, Lombardo V, Stocco D, **Gramegna A**, Costantino C, Vecchi M, Elli L. COVID-19 Vaccine: A Survey of Hesitancy in Patients with Celiac Disease. *Vaccines (Basel)*. 2021 May 16;9(5):511. doi: 10.3390/vaccines9050511. PMID: 34065654; PMCID: PMC8156726.
8. **Gramegna A**, Aliberti S, Contarini M, Savi D, Sotgiu G, Majo F, Saderi L, Lucidi V, Amati F, Pappalettera M, Palange P, Blasi F. Overweight and obesity in adults with cystic fibrosis: An Italian multicenter cohort study. *J Cyst Fibros*. 2021 May 27:S1569-1993(21)00129-6. doi: 10.1016/j.jcf.2021.05.002. Epub ahead of print. PMID: 34053868.
9. Marsilio M, **Gramegna A**, Fusco F, Gheduzzi E, Pizzamiglio G, Blasi F, Guglielmetti C. The Evaluation of Determinants and Impacts of Co-Production in Healthcare: A Research Protocol for OPAT in Cystic Fibrosis. *Int J Integr Care*. 2021 Apr 30;21(2):15. doi: 10.5334/ijic.5568. PMID: 33981192; PMCID: PMC8086733.
10. **Gramegna A**, Aliberti S, Terranova L, Oriano M, Contarini M, Blasi F. Prevalence and serotyping of *S. pneumoniae* in a large vaccine-naïve cohort of adults with cystic fibrosis. *Eur J Clin Microbiol Infect Dis*. 2021 May 3. doi: 10.1007/s10096-021-04263-w. Epub ahead of print. PMID: 33937933.
11. Pappalardo M, Fanelli U, Chiné V, Neglia C, **Gramegna A**, Argentiero A, Esposito S. Telemedicine in Pediatric Infectious Diseases. *Children (Basel)*. 2021 Mar 28;8(4):260. doi: 10.3390/children8040260. PMID: 33800549; PMCID: PMC8066295.
12. Blasi F, **Gramegna A**, Sotgiu G, Saderi L, Voza A, Aliberti S, Amati F. SARS-CoV-2 vaccines: A critical perspective through efficacy data and barriers to herd immunity. *Respir Med*. 2021 Apr-May;180:106355. doi: 10.1016/j.rmed.2021.106355. Epub 2021 Mar 6. PMID: 33721697; PMCID: PMC7935673.
13. **Gramegna A**, Contarini M, Bindo F, Aliberti S, Blasi F. Elexacaftor-tezacaftor-ivacaftor: The new paradigm to treat people with cystic fibrosis with at least one p.Phe508del mutation. *Curr Opin Pharmacol*. 2021 Apr;57:81-88. doi: 10.1016/j.coph.2021.01.001. Epub 2021 Feb 11. PMID: 33582393.
14. Ghirardello S, Lecchi A, Artoni A, Panigada M, Aliberti S, Scalabrino E, La Marca S, Boscarino M, **Gramegna A**, Properzi P, Abruzzese C, Blasi F, Grasselli G, Mosca F, Tripodi A, Peyvandi F. Assessment of Platelet Thrombus Formation under Flow Conditions in Adult Patients with COVID-19:

An Observational Study. *Thromb Haemost.* 2021 Aug;121(8):1087-1096. doi: 10.1055/s-0041-1722919. Epub 2021 Feb 5. PMID: 33545735.

15. Esposito S, Argentiero A, **Gramegna A**, Principi N. *Mycoplasma pneumoniae*: a pathogen with unsolved therapeutic problems. *Expert Opin Pharmacother.* 2021 Jun;22(9):1193-1202. doi: 10.1080/14656566.2021.1882420. Epub 2021 Feb 5. PMID: 33544008.
16. Aliberti S, Sotgiu G, **Gramegna A**, McDonnell MJ, Polverino E, Torres A, Goeminne PC, Dimakou K, Shteinberg M, Sibila O, Conio V, Fardon TC, Rutherford R, Dore S, Saderi L, Faverio P, Amati F, Corsico AG, Blasi F, Chalmers JD. Thrombocytosis during Stable State Predicts Mortality in Bronchiectasis. *Ann Am Thorac Soc.* 2021 Aug;18(8):1316-1325. doi: 10.1513/AnnalsATS.202002-094OC. PMID: 33507847.
17. Abbattista M, Ciavarella A, Capecchi M, Tantardini F, **Gramegna A**, Lombardi R, Scaramellini N, Peyvandi F, Martinelli I. Risk factors for mortality in hospitalized patients with COVID-19: a study in Milan, Italy. *Infect Dis (Lond).* 2021 Mar;53(3):226-229. doi: 10.1080/23744235.2020.1859131. Epub 2020 Dec 13. PMID: 33307901.
18. **Gramegna A**, Aliberti S, Sibila O, Di Francesco C, Sotgiu G, Perea L, Terranova L, Oriano M, Pilocane T, Saderi L, Chalmers JD, Marchisio P, Blasi F. Sputum neutrophil elastase in bronchiectasis: A southern european cohort study. *Eur Respir J [Internet].* 2020;56(6)
19. Torre A, Aliberti S, Castellotti PF, Cirillo DM, Grisolia A, Mangioni D, Marchetti G, Rossotti R, Santus P, Besozzi G, Villa S, Codecasa LR, Bandera A, Blasi F, Campisi D, Ferrarese M, **Gramegna A**, Lombardi A, Mancon A, Mantero M, Muscatello A, Passerini M, Piscaglia M, Saporiti M, Schiuma M. Preliminary observations on IGRA testing for TB infection in patients with severe COVID-19 eligible for immunosuppressive therapy. *Respir Med [Internet].* 2020;175
20. **Gramegna A**, Sotgiu G, Di Pasquale M, Radovanovic D, Terraneo S, Reyes LF, Vendrell E, Neves J, Menzella F, Blasi F, Aliberti S, Restrepo MI, Aruj PK, Attorri S, Barimboim E, Caeiro JP, Cambursano VH, Ceccato A, Chertcoff J, Lascar F, Di Tulio F, Díaz AC, de Vedia L, Ganaha MC, Lambert S, Lopardo G, Luna CM, Malberti AG, Morcillo N, Tartara S, Pensotti C, Pereyra B, Scapellato PG, Stagnaro JP, Lötsch F, Vincent JL, Anseeuw K, Francois CA, Van Braeckel E, Djimon MZ, Bashi J, Roger D, Nouér SA, Chipev P, Encheva M, Miteva D, Petkova D, Dodo BA, Hugo MNB, Shen N, Xu J-, Rico CAB, Buitrago R, Paternina FJP, Jean-Marie KN, Carevic VV, Jakopovic M, Jankovic M, Matkovic Z, Mitrecic I, Jacobsson M-B, Christensen AB, HeitmannBødtger UC, Meyer CN, Jensen AV, Baunbæk-knudsen G, Petersen PT, Andersen S, El-Wahhab IE-A, Morsy NE, Shafi ek H, Sobh E, Bertrand F, Brun- Buisson C, de Montmollin E, Fartoukh M, Messika J, Tattevin P, Dreher M, Kolditz M, Meisinger M, Pletz MW, Hagel S, Rupp J, Schaberg T, Spielmanns M, Siaw-Lartey B, Dimakou K, Papapetrou D, Tsigou E, Bhatia M, Ampazis D, Dhar R, D'Souza G, Garg R, Koul PA, Mahesh PA, Jayaraj BS, Narayan KV, Udnur HB, Krishnamurthy SB, Golshani K, Keatings VM, Martin-Loeches I, Maor Y, Strahilevitz J, Battaglia S, Carrabba M, Ceriana P, Confalonieri M, d'Arminio A, Del Prato B, De Rosa M, Fantini R, Fiorentino G, Gammino MA, Milani G, Nava S, Palmiero G, Petrino R, Gabrielli B, Rossi P, Steinhilber G, Zanforlin A, Kurahashi K, Bacha ZA, Ugalde DB, Zuñiga OC, Villegas JF, Medenica M, van de Garde EMW, Mihsra DR, Ridgeon E, Nwankwo ONO, Olufunlola AB, Olumide S, Ukwaja KN, Irfan M, Minarowski L, Szymo S, Froes F, Meireles M, Ferrão C, Leuschner P, Neves J, Ravara SB, Brocovschii V, Ion C, Rusu D, Chirita D, Birkun A, Kaluzhenina A, Almotairi A, Bukhary ZAA, Edathodu J, Fathy A, Enani AMA, Mohamed NE, Memon JU, Bogdanovic N, Milenkovic B, Borderias L, Garcia NMB, Alarcón HC, Cilloniz C, Torres A, Diaz-Brito V, Casas X, González AE, FernándezAlmira ML, Gallego M, Gaspar-García I, del Castillo JG, Victoria PJ, Martínez EL, de Molina RM, Marcos PJ, Menéndez R, Pando-Sandoval A, Aymerich CP, del la Torre AL, García-Olivé I, Rello J, Moyano S, Sanz F, Sibila O, Rodrigo-Troyano A, Solé-Violán J, Uranga A, van Boven JFM, Torra EV, Pujol JA, Feldman C, Yum HK, Fiogbe AA, Yangui F, Bilaceroglu S, Dalar L, Yilmaz U, Bogomolov A, Elahi N, Dhasmana DJ, Ions R, Skeemer J, Woltmann G, Hancock C, Rudran B, Ruiz-Buitrago S, Campbell M, Whitaker P, Allen KS, Brito V, Dietz J, Dysart CE, Franco-Sadud RA, Kellie GSM, Gaga M, Bergin SP, Kheir F, Landmeier M, Lois M, Nair GB, Patel H, Reyes K, Rodriguez-Cintron W, Saito S, Soni NJ, Noda J, Hinojosa CI, Levine SM, Angel LF, Anzueto A, Whitlow KS, Hipskind J, Sukhija K, Wunderink RG, Shah RD, Mateyo KJ. Correction to: Atypical pathogens in hospitalized patients with community-acquired pneumonia: A worldwide perspective (*BMC infectious diseases*, (2018), 18, 1, (677), 10.1186/s12879-018-3565-z). *BMC Infect Dis [Internet].* 2020;20(1)

21. Principi N, Argentiero A, Neglia C, **Gramegna A**, Esposito S. New antibiotics for the treatment of acute bacterial skin and soft tissue infections in pediatrics. *Pharmaceuticals* [Internet]. 2020;13(11):1-14.
22. Di Pasquale M, Aliberti S, Mantero M, **Gramegna A**, Blasi F. Pharmacotherapeutic management of bronchial infections in adults: Non-cystic fibrosis bronchiectasis and chronic obstructive pulmonary disease. *Expert Opin Pharmacother* [Internet]. 2020;21(16):1975-90.
23. Bandera A, Aliberti S, Gualtierotti R, Baldini M, Blasi F, Cesari M, Costantino G, Fracanzani AL, Gori A, Montano N, Monzani V, Nobili A, Peyvandi F, Pesenti A, Prati D, Valenti L, Fusetti G, Scudeller L, Bosari S, Rusconi L, Dell'Orto S, Lamorte G, Manunta M, Baselli G, Santoro L, Muscatello A, Mangioni D, Alagna L, Bozzi G, Lombardi A, Ungaro R, Itri T, Ferroni V, Pastore V, Massafra R, Rondolini I, Ferrari B, Rossio R, Corona E, Rampi N, Massimo C, Vigone B, Bellocchi C, Fiorelli E, Melli V, Tobaldini E, Spotti M, Simonetta E, Terranova L, Amati F, Miele C, Misuraca S, D'Adda A, Della Fiore S, Di Pasquale M, Contarini MMM, Ori M, Morlacchi L, Rossetti V, **Gramegna A**, Pappalettera M, Cavallini M, Vigni A, Vicenzi M, Rota I, Solbiati M, Furlan L, Mancarella M, Colombo G, Fanin A, Rovellini A, Barbetta L, Billi F, Folli C, Motta I, Scaramellini N, Lombardi R, Iuculano F, Proietti M, Calcaterra L, Tettamanti M, Monti I. COVID-19 network: The response of an Italian reference institute to research challenges about a new pandemic. *Clin Microbiol Infect* [Internet]. 2020;26(11):1576-8.
24. Aliberti S, Amati F, Pappalettera M, Di Pasquale M, D'Adda A, Mantero M, **Gramegna A**, Simonetta E, Oneta AM, Privitera E, Gori A, Bozzi G, Peyvandi F, Minoia F, Filocamo G, Abbruzzese C, Vicenzi M, Tagliabue P, Alongi S, Blasi F. COVID-19 multidisciplinary high dependency unit: The Milan model. *Respir Res* [Internet]. 2020;21(1)
25. Aliberti S, Radovanovic D, Billi F, Sotgiu G, Costanzo M, Pilocane T, Saderi L, **Gramegna A**, Rovellini A, Perotto L, Monzani V, Santus P, Blasi F. Helmet CPAP treatment in patients with COVID-19 pneumonia: A multicentre cohort study. *Eur Respir J* [Internet]. 2020;56(4)
26. **Gramegna A**, Cherie Millar B, Contarini M, Blasi F, Stuart Elborn J, Downey DG, Moore JE. TACKLING ANTIMICROBIAL RESISTANCE (AMR) - IN VITRO EFFECT OF SODIUM CHLORIDE ON ANTIBIOTIC SUSCEPTIBILITY IN CLINICAL PSEUDOMONAS AERUGINOSA ISOLATED FROM PATIENTS WITH CYSTIC FIBROSIS (CF). *Ulster Med J* [Internet]. 2020;89(2):126-7.
27. Carugati M, Piazza A, Peri AM, Cariani L, Brilli M, Girelli D, Di Carlo D, **Gramegna A**, Pappalettera M, Comandatore F, Grasselli G, Cantù AP, Arghittu M, Gori A, Bandi C, Blasi F, Bandera A. Fatal respiratory infection due to ST308 VIM-1-producing pseudomonas aeruginosa in a lung transplant recipient: Case report and review of the literature. *BMC Infect Dis* [Internet]. 2020;20(1)
28. **Gramegna A**, Contarini M, Aliberti S, Casciaro R, Blasi F, Castellani C. From ivacaftor to triple combination: A systematic review of efficacy and safety of CFTR modulators in people with cystic fibrosis. *Int J Mol Sci* [Internet]. 2020;21(16):1-23.
29. Aliberti S, Sotgiu G, Castellotti P, Ferrarese M, Pancini L, Pasat A, Vanoni N, Spotti M, Mazzola E, **Gramegna A**, Saderi L, Perno CF, van Ingen J, Codecasa LR, Blasi F. Real-life evaluation of clinical outcomes in patients undergoing treatment for non-tuberculous mycobacteria lung disease: A ten-year cohort study. *Respir Med* [Internet]. 2020;164
30. Aliberti S, Sotgiu G, Lapi F, **Gramegna A**, Cricelli C, Blasi F. Prevalence and incidence of bronchiectasis in Italy. *BMC Pulm Med* [Internet]. 2020;20(1)
31. Oriano M, **Gramegna A**, Terranova L, Sotgiu G, Sulaiman I, Ruggiero L, Saderi L, Wu B, Chalmers JD, Segal LN, Marchisio P, Blasi F, Aliberti S. Sputum neutrophil elastase associates with microbiota and pseudomonas aeruginosa in bronchiectasis. *Eur Respir J* [Internet]. 2020;56(4)
32. Amati F, Simonetta E, **Gramegna A**, Tarsia P, Contarini M, Blasi F, Aliberti S. The biology of pulmonary exacerbations in bronchiectasis. *Eur Respir Rev* [Internet]. 2019;28(154)
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B5b. Book chapters and Monographs

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| 2018 | Gramegna A , Di Pasquale M, Blasi F. Chapters 'The management of frequently exacerbating patients' and 'Site of care e multidisciplinary approach in Bronchiectasis' in <i>ERS Monograph edition 81: 'Bronchiectasis' (in press)</i> . |
| 2017 | Gramegna A , Amati F, Chalmers JD, Elborn SJ, Aliberti A, Blasi F. 'How to Identify Causes and Predisposing Factors in Bronchiectasis' in <i>Bronchiectasis, The EMBARC Manual</i> ", Editors: Chalmers James, Polverino Eva, Aliberti Stefano, Edito da Springer. |

C. TEACHING

C1. University

2020 – today	Member of the International Medical School, University of Milano
2019 – today	Lecturer, School of Medicine, University of Milano Course: 'Semeiotica e Apparati I, Malattie App. Respiratorio'
2019 – today	Lecturer, School of Specialty in Respiratory Diseases, University of Milano

C2. Dissertations, School of Medicine, University of Milano

2020	Alice Gelmini	Correlator
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C3. Lectures on Respiratory medicine in University Masters and Doctoral courses

2018 - today	Respiratory Pathophysiology The Pathway of Oxygen	Master, I level, Respiratory Physiotherapy, University of Milan, Milan, Italy
2015 - 2016	Lung Ultrasonography	Master, II level, Critical Care Medicine, University of Milan, Milan, Italy

D. HOSPITAL

D1. Hospital appointments

30 jul 2017 – today	Consultant in Respiratory Medicine Respiratory Unit and Adult Cystic Fibrosis Center Bronchiectasis Programm and Primary Ciliary Diskinesia Center, NTM Clinics IRCCS Fondazione Ca' Granda Ospedale Maggiore Policlinico, Milan, Italy
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D2. COMPETENCIES

Lung ultrasonography; Spirometry and Pletismography; Challenge test; PPD test; Arterial blood gases test; 6-minutes walking test; Nocturnal pulse oxymetry testing; Polysomnography; Sputum induction; Bronchoscopy; Pleural drainage basic procedures; Tracheostomy tube management; Non-invasive ventilation; interpretation of sweat test and CFTR genetics; interpretation fo sputum culture and antibiogram

E. LANGUAGES

- English - Trinity College London, Advanced Stage Level 10

- French, reading and writing skills

F. Recommendations

Prof. Francesco Blasi	Full Professor Department of Pathophysiology and Transplantation, University of Milano, Italy	francesco.blasi@unimi.it
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Dr Marcos Restrepo	Associate Professor University of Texas health Science Center, Medicine, San Antonio, TX, USA	restrepom@uthscsa.edu

Date

14 september 2021

Place

Milan