

PERSONAL INFORMATION



Elena Bargagli

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🔗 <https://scholar.google.com/citations?hl=it&user=X9F3ExAAAAAJ>

Sex F | Date of birth 28/12/1973 | Italian

Current Position: Full Professor SSD MED/10 Respiratory Medicine Siena University, Director of Respiratory Diseases Unit, Hospital University of Siena, Coordinator for Tuscany Region for Lung Rare diseases and lung transplant center, member of Siena University CDA

Coordinator of Tuscany Regional Referral Centre for Lung Transplantation and Rare Lung Diseases. Responsible WASOG Excellence centre for sarcoidosis and other granulomatous lung disorders. Coordinator European Respiratory Society Assembly ERS 12.02 Interstitial Lung Diseases Appointed as pulmonologist at the AOUS FUOC Malattie Respiratorie

She published several manuscripts (more than 300) about biomarkers in different diffuse lung diseases. Her clinical interests includes: connective tissue disease-associated interstitial lung diseases (ILD), idiopathic interstitial pneumonias (IIPs), sarcoidosis and hypersensitivity pneumonitis (HP), Pulmonary Langerhans' cell histiocytosis (PLCH) and lymphangiomyomatosis (LAM). She obtained her medical degree and completed her training in respiratory medicine at the University of Siena, Italy, PhD in Immunological Sciences and Allergology at Siena University, and subsequently specialised in ILD in the regional ILD specialist centre in Siena.

She is (co)author of more than 300 manuscripts on ILD, lung transplantation, COVID 19 and sarcoidosis.

Scientific Profile: Her main research interest has focused on the study of rare diseases, lung transplantation, omics analysis in the biological fluids of patients with ILD, chitinase potential role in sarcoidosis pathogenesis, identification of prognostic biomarkers in rare lung diseases and COVID 19.

Bibliometric Indicators:

Publications:307;

Citations 7850;

H index 43;

3 most relevant publications or patents:

Raghu G, Remy-Jardin M, Ryerson CJ, Myers JL, Kreuter M, Vasakova M, Bargagli E. Diagnosis of Hypersensitivity Pneumonitis in Adults. An Official ATS/JRS/ALAT Clinical Practice Guideline. Am J Respir Crit Care Med. 2020 Aug 1;202(3):e36-e69. doi: 10.1164/rccm.202005-2032ST. Erratum in: Am J Respir Crit Care Med. 2021 Jan 1;203(1):150-151. PMID: 32706311; PMCID: PMC7397797.

COVID-19 Host Genetics Initiative. Mapping the human genetic architecture of COVID-19. Nature. 2021 Dec;600(7889):472-477. doi: 10.1038/s41586-021-03767-

GOLDEN PARAGRAPH

x. Epub 2021 Jul 8. PMID: 34237774; PMCID: PMC8674144.

Prasse A, Binder H, Schupp JC, Kayser G, Bargagli E, Jaeger B, Hess M, Rittinghausen S, Vuga L, Lynn H, Violette S, Jung B, Quast K, Vanaudenaerde B, Xu Y, Hohlfeld JM, Krug N, Herazo-Maya JD, Rottoli P, Wuyts WA, Kaminski N. BAL Cell Gene Expression Is Indicative of Outcome and Airway Basal Cell Involvement in Idiopathic Pulmonary Fibrosis. *Am J Respir Crit Care Med.* 2019 Mar 1;199(5):622-630. doi: 10.1164/rccm.201712-2551OC. PMID: 30141961; PMCID: PMC6396865.

ROLE IN THE PROJECT

Expert in biomarker research of interstitial lung diseases, rare lung disorders, lung transplantation by cytofluorimetric and OMICS approach. In the project she will be involved in biomarkers identification and validation, i.e. Extracellular Vesicles in ILD. Research collaboration: European Project HEDIMED (Human exposomic determinants of immune mediated diseases) (Tampere University) -European Respiratory Society Assembly Interstitial lung diseases (Coordinator of ERS Assembly12.02).-VAMOS European Study for Serum KL-6 to assess risk of disease progression in patients with interstitial lung diseases (ILD). (Coordinator Essen University)-ERN-LUNG European hub for rare respiratory diseases (European Respiratory Network Project for Rare Lung Diseases- Interstitial Lung Diseases-Coordinator for Tuscany Region.

WORK EXPERIENCE

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| 1 November 2023-Current | Teaching Member of the Board of Administrations of the University of Siena |
| Current | Full Professor Siena University (MED/10) Respiratory Diseases. |
| May 2023-Current | Director of Respiratory Diseases Unit |
| 2018- April 2022 | Associate Professor (MED/10) at Siena University |
| 2017 – 2018 | Freelance appointment at the Careggi University Hospital-Florence SODc Pneumology and Thoracopulmonary Physiopathology for the realization of the project "Strengthening clinical, teaching and research activities for patients with IPF and rare lung diseases" with acquisition of skills on invasive diagnostics of pulmonary fibrosis by means of lung biopsy with cryoprobes and Awake videothoracoscopy and on the treatment of pulmonary interstitial diseases with new anti-fibrotic and biological drugs. |

- 2015 – 2016** Researcher with fixed-term contract - Junior (art.24, L. n.240 / 30.12.2010), definite time, SSD MED / 10 - competition sector 06 / D1 at the Department of Medical Surgical Sciences and Neuroscience - Diseases Respiratory. Research project "Idiopathic pulmonary fibrosis, sarcoidosis and other pulmonary interstitial diseases: analysis of biomarkers with prognostic value, indications for lung transplantation", - Scientific Responsible Prof. Paola Rottoli, with insertion under an agreement with the Sienese Hospital
- 2013 – 2015** Freelance appointment (art 222) University of Siena, UOC Respiratory Diseases and Lung Transplantation and Freelance professional collaboration contract with AOUS from December 2013 to May 2015.
- 2010 – 2013** Temporary University Researcher (before Law 230/05) at the University of Siena, Section of Respiratory Diseases, Department of Clinical Medicine and Immunological Sciences
- 2009 – 2010** Research collaboration contract (art.2222 and art 51 VI comma L449 / 97) Department of Clinical Medicine and Immunological Sciences, Respiratory Diseases Section, University of Siena and AOUS.
- 2006-2009** Four-year research fellowship in the medical scientific area and medical specialties, scientific disciplinary sector MED / 10. Research project 'Markers of oxidative stress in smoking-related interstitial lung diseases and chronic lung transplant rejection'; at the Department of Clinical Medicine and Immunological Sciences, Section of Respiratory Diseases, University of Siena.

**EDUCATION
TRAINING**

AND

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| 2013 | National Scientific Qualification for the role of second-tier University Professor in the competition sector 06 / D1 - Cardiovascular System Diseases and Respiratory System Diseases (Art. 1, DD n.222 of 20/7/2012), SSD MED / 10 (valid until November 27, 2019) |
| 2003 – 2005 | PhD in Clinical and Experimental Allergology and Immunology (18/12/2005) at the University of Siena. Thesis entitled: 'Analysis of oxidative phenomena in bronchoalveolar lavage of patients with pulmonary interstitial diseases' |

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| 1999 – 2002 | Specialization in Diseases of the Respiratory System and Physiology (26/11/2002) at the University of Siena (School of Specialization in accordance with Article 178 of the TU 31/8/1933 N1592) with the maximum grades (seventy / 70 cum laude). Specialization Thesis: 'Criteria for including patients on the list for lung transplantation: the experience of the Sienese center', carried out through an internship at the 'Freeman Hospital' Cardiopulmonary Transplant Center, Newcastle upon Tyne (UK). |
| 1999 | Registration in the Order of Surgeons and Dentists of Siena (14/06/1999, pos. No. 3727) |
| 1998 | Graduated (9/10/1998) in Medicine and Surgery at the University of Siena (110 with honors) with a thesis entitled: 'Study in flow cytometry of intracellular cytokines in alveolar lymphocytes and peripheral blood of patients with sarcoidosis' |

PERSONALSKILLS

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| Organisational / managerial skills | <ul style="list-style-type: none"> · Coordinator of European Respiratory Society Assembly 12.02 ILD · Coordinator ERN and Regional Referral Centre for Rare Lung Diseases · Coordinator Regional Lung Transplant Programme OTT · Leadership (currently responsible for a team of 8 people) |
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ADDITIONAL INFORMATION

Most relevant publications in the last 10 Years

Mura M, Porretta MA, **Bargagli E**, Sergiacomi G, et al. - Predicting survival in newly diagnosed idiopathic pulmonary fibrosis: a 3-year prospective study. *Eur Respir J*. 2012 Jul; 40(1):101-. DOI: 10.1183/09031936.00106011. Epub 2012 Jan 12. PMID:22241745 (IF= 16,67, Q1)

Bargagli E, Bennett D, Maggiorelli C, Di Sipio P, Margollicci M, Bianchi N, Rottoli P. Human chitotriosidase: a sensitive biomarker of sarcoidosis. *J Clin Immunol*. 2013 Jan; 33(1):264-70. DOI: 10.1007/s10875-012-9754-4 (IF= 8,317, Q1)

Landi C, **Bargagli E**, Bianchi L, Gagliardi A, Carleo A, et al - Towards a functional proteomics approach to the comprehension of idiopathic pulmonary fibrosis, sarcoidosis, systemic sclerosis and pulmonary Langerhans cell histiocytosis. *J Proteomics* 2013 May, 83:60-75 DOI: 10.1016/j.jprot.2013.03.006 (IF= 4,044, Q1)

Bennett D, **Bargagli E**, Refini RM, Campagna MS, Gennari L, et al - Helicobacter pylori seroprevalence in patients with idiopathic pulmonary fibrosis. *Eur Respir J* 2014 Feb, 43(2):635-8 DOI: 10.1183/09031936.00104813 (IF= 16,67, Q1)

Bargagli E, Madioni C, Bianchi N, Refini RM, Cappelli R, et al - Serum analysis of coagulation factors in IPF and NSIP. *Inflammation* 2014 Feb, 37(1):10-6 doi: 10.1007/s10753-013-9706-z (IF= 4,092, Q2)

Landi C, **Bargagli E**, Carleo A, Bianchi L, Gagliardi A, et al - A functional proteomics approach to the comprehension of sarcoidosis. *J Proteomics* 2015 Oct, 128:375-87 DOI: 10.1016/j.jprot. 2015.08.012 (IF= 4,044, Q1)

Schupp JC, Freitag-Wolf S, **Bargagli E**, Mihailovic-Vucinic V, et al. - Phenotypes of organ involvement in sarcoidosis. *Eur Respir J* 2018 Jan, 51(1):1700991 DOI:

10.1183/13993003.00991-2017 (IF= 16,67. Q1)

Landi C, **Bargagli E**, Carleo A, Refini RM, Bennett D, et al - Bronchoalveolar lavage proteomic analysis in pulmonary fibrosis associated with systemic sclerosis: S100A6 and 14-3-3ε as potential biomarkers. Rheumatology 2019 Jan, 58(1):165-178 DOI: 10.1093/rheumatology/key223 (IF= 7,580. Q1)

Prasse A, Binder H, Schupp JC, Kayser G, **Bargagli E**, et al – BAL cell gene expression is indicative of outcome and airway basal cell involvement in idiopathic pulmonary fibrosis. Am J Respir Crit Care Med 2019 Mar, 199(5):622-630. DOI: 10.1164/rccm.201712-2551OC (IF= 21,4, Q1)

Bargagli E, Refini RM, d'Alessandro M, Bergantini L, Cameli P, Vantaggiato L, Bini L, Landi C. Metabolic Dysregulation in Idiopathic Pulmonary Fibrosis. Int J Mol Sci. 2020 Aug 7;21(16):5663. doi: 10.3390/ijms21165663. PMID: 32784632; PMCID: PMC7461042. (IF=5,923, Q1)

Recent Projects European Project HEDIMED (Human exposomic determinants of immune mediated diseases) ID 874864 Project Coordinator Prof Heikki Hyöty (Tampere University) € 11 992 338,74 -VAMOS European Study SerumKL-6 to assess risk of disease progression in patients with interstitial lung diseases (ILD). (Coordinator Essen University Prof F Bonella)- ERN-LUNG European hub for rare respiratory diseases (European Respiratory Network Project for Rare Lung Diseases- Interstitial Lung Diseases-Coordinator Prof TOF Wagner)

Conferences **Invited Lectures/ Oral Communications**

Rottoli P, Perari MG, Nikiforakis N, Fossi A, Bargagli E. Cytokine profiles and protein maps in BAL of patients with Sarcoidosis, SSc and IPF. Atti del VII WASOG Congress Stockholm June 2002, pag 44 Bargagli E., Landi C., Carleo A., Cillis G, Refini RM, Bennett D, Perari MG, Bini L., Rottoli P. Proteomic investigation of pulmonary sarcoidosis. ERS 2014 International Conference Munich. Bargagli E, Landi C, Carleo A, Bennett D, Cillis G, Bini L, Rottoli P Bronchoalveolar lavage proteome analysis of patients with sarcoidosis compared with smoker and never smoker controls. WASOG International Conference 2020 Prasse A, Binder H, Bargagli E et al. BAL gene expression profiling unmask unexpected role of airway progenitor cells in IPF. ATS, Denver 15-20 Maggio 2015 Bargagli E, Bucca C, Zappa MC, Rottoli P. Results of cross sectional Proxima study. Meeting of European Academy of Allergy and Clinical Immunology, 11-15 Giu 2016 Vienna....

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV

Siena, 10 Feb 2024

Prof.ssa Elena Bargagli

