

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,

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 about biomarkers in different diffuse lung diseases. Her clinical interests include: connective tissue disease-associated interstitial lung diseases (ILD), idiopathic interstitial pneumonias (IIPs), sarcoidosis and hypersensitivity pneumonitis (HP), Pulmonary Langerhans' cell histiocytosis (PLCH) and lymphangioleiomyomatosis (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 210 manuscripts on ILD, lung transplantation, COVID 19 and sarcoidosis.

GOLDEN PARAGRAPH

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:233;

Citations 4587;

H index 36;

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-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, Hohlfield 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

Current Full Professor Siena University (MED/10) Respiratory Diseases.

2018-April 2022 Associate Professor (MED/10) at Siena University

2017 – 2018

Freelance appointment at the Careggi University Hospital-Florence SO Pneumology and Thoracopulmonary Physiopathology for the realization project "Strengthening clinical, teaching and research activities for patients with IPF and rare lung diseases" with acquisition of skills on invasive diagnosis 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 / 30.12.2003) 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 diseases: analysis of biomarkers with prognostic value, indications for lung transplantation", - Scientific Responsible Prof. Paola Rottoli, with institutional agreement with the Sienese Hospital

2013 – 2015

Freelance appointment (art 222) University of Siena, UOC Respiratory and Lung Transplantation and Freelance professional collaboration 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 / 9
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 'Mal
oxidative stress in smoking-related interstitial lung diseases and chronic
transplant rejection'; at the Department of Clinical Medicine and Immun
Sciences, Section of Respiratory Diseases, University of Siena.

EDUCATION AND TRAINING

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'
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'

PERSONAL SKILLS

Organisational / managerial skills

- 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)

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 Serum KL-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 Accademy of Allergy and Clinical Immunology, 11-15 Giu 2016 Vienna...

Honours and awards

2015 Denver WASOG Awards for Sarcoidosis Research

BARGAGLI ELENA,

UOC Malattie dell'Apparato Respiratorio, AOUS

Professore di prima fascia Università di Siena

Codice fiscale BRGLNE73T68C085U

“Autorizzo il trattamento dei dati personali presenti nel CV ai sensi del D.Lgs. 2018/101 e del GDPR (Regolamento UE 2016/679)”

SIENA 02/09/2025 