



Guest Editors

Isabella Annesi-Maesano

Isabella Annesi-Maesano is the NIH Research Director and Professor of Environmental Epidemiology at the Universities Pierre and Marie Curie (UPMC) and René Descartes (both Paris, France), and Director of the Dept of Epidemiology of Allergic and Respiratory Diseases (EPAR) (www.epar.fr) at the Institute Pierre Louis of Epidemiology and Public Health of the French NIH and the UPMC in Paris. In 2013, she was appointed as a member of the Directoire at the Observatory for the Sciences of the Universe “Ecce Terra” at UPMC. She is an active member of several professional societies, including the European Respiratory Society (ERS), the American Thoracic Society (ATS), the European Academy of Allergology and Clinical Immunology (EAACI) and the International Society for Environmental Epidemiology (ISEE). She is currently a member of the ERS Environmental and Health Committee, and Chair of the EAACI Interest Group Aerobiology and Air Pollution. She previously served as a member of the ERS Executive Committee, Chair and Secretary of the Occupation and Epidemiology Assembly, and Chair and Programme Secretary of the Respiratory Diseases section of the International Union Against Tuberculosis and Lung Disease. She serves on several editorial boards, including the *European Respiratory Journal*, the *European Respiratory Review* and *Allergy*.



Isabella Annesi-Maesano was trained as a respiratory epidemiologist after a double curriculum in physics and medicine, and a PhD in epidemiology and biostatistics. Her personal research interest focuses on the distribution and aetiology of asthma, COPD, interstitial pulmonary diseases and rhinitis using an exposomic approach (the internal and external environmental stressors an individual encounters in their lifespan, particularly their early life), and identifying phenotypes/endotypes. Her research has been funded by the French Ministries of Health, Research, and Environment and Sustainable Development, the French Environmental Agency (ANSES), the European Commission, and others. Since 2013, she has coordinated the interdisciplinary translational research project HEALS (Health and Environment-wide Associations based on Large population Surveys) part of the

FP7-ENV (7th Framework Programme for EU Research: Environment) programme, integrating clinics, epidemiology, toxicology, omics, sociology and other disciplines to advance understanding about respiratory diseases through exposomics. The study is recruiting new birth cohorts of singletons and monozygotic and dizygotic twins in Europe that will be followed over a course of time. She has more than 300 papers and chapters in peer-reviewed journals and books. She collaborates with 30 international institutions.

Giovanni Viegi



Giovanni Viegi is acting Director of the CNR Institute of Biomedicine and Molecular Immunology (Palermo, Italy), leader of the Pulmonary Environmental Epidemiology Unit, CNR Institute of Clinical Physiology (Pisa, Italy), and Contract Professor at the Faculty of Environmental Sciences of the University of Pisa. He graduated in Medicine *magna cum laude* and specialised in pulmonology and occupational medicine.

Giovanni Viegi is a member of the Executive Committee of the Italian Society of Respiratory Medicine (SIMeR), Past President of the European Respiratory Society (ERS), the Italian representative for the Global Alliance against Chronic Respiratory Diseases (GARD), and is a member of the American Thoracic Society (ATS) and the International Union Against Tuberculosis and Lung Disease (IUATLD). From 1998 to 2001 he was a member of “Technical-scientific Committee for elaboration of law proposals in the matter of indoor pollution” at the Italian Ministry of Health.

Giovanni Viegi’s main research interests and areas of grant coordination are: lung function assessment; the epidemiology of COPD in relation to air pollution; respiratory occupational medicine; respiratory allergology; the epidemiology of cardio-respiratory and psychiatric comorbidity; and clinically controlled smoking cessation.

With the Pisa research group, he has conducted the two largest respiratory epidemiological longitudinal studies on general population samples in Italy (in the Po Delta and Pisa areas).

Giovanni Viegi serves on the editorial boards of the *Medicina Respiratoria*, the official journal of the Asociación Argentina de Medicina Respiratoria, and the *Rassegna di Patologia dell’Apparato Respiratorio*, the official Journal of the Associazione Italiana Pneumologi Ospedalieri (AIPO). He is the author of 299 original articles (198 in English), 56 book chapters (19 in English) and 140 proceedings (49 in English).

Bo Lundbäck

Bo Lundbäck is Professor of Respiratory Epidemiology at the Institute of Medicine/Krefting Research Centre at the University of Gothenburg (Gothenburg, Sweden). He is affiliated with the Dept of Respiratory Medicine and Allergy at the Institute of Public Health and Clinical Medicine University of Umeå (Umeå, Sweden), and the Dept of Research and Development at the County Council of Norrbotten (Luleå, Sweden).

Bo Lundbäck is currently the Head of the Occupation and Epidemiology Assembly of the European Respiratory Society (ERS) and a member of the Society's Executive Committee, Science Council, Environment and Health Committee, and Tobacco Control Committee. He is Associate Editor of *Respiratory Medicine* and a member of the editorial board of the *Journal of Chronic Obstructive Pulmonary Disease* and the *European Clinical Respiratory Journal*. He was one of the editors of the *The European Lung White Book*, second edition.

Bo Lundbäck's research mainly focuses on clinical respiratory epidemiology and he has been the scientific leader of several large-scale epidemiological and clinical studies, as well as health economics studies. The main studies in which he has been involved include: the Obstructive Lung Disease in Northern Sweden (OLIN) Studies, which have been in progress since 1985 with more than 50 000 participants; and the FinEsS Studies, which compare the epidemiology of asthma, allergy, COPD and respiratory symptoms in Finland, Estonia and Sweden. He is co-chair of the West Sweden Asthma Study, which covers epidemiology, clinical research, and research on cellular mechanisms, including proteomics and genetics.

He has supervised more than 20 PhD students from several countries, including Sweden, Finland, the USA, Estonia and Vietnam, and has collaborated closely with several universities and hospitals in Europe and worldwide, from the University of Virginia (Charlottesville, VA, USA) in the west to Hanoi Medical University (Hanoi, Vietnam) in the east. He has more than 170 publications on PubMed.

