



Summary:

Prof. Rosa Faner, PhD, is a Serra Húnter Professor at the University of Barcelona, Biomedicine Department, and accredited researcher of the Fundació de Recerca Clínic Barcelona-Institut d'Investigacions Biomèdiques August Pi i Sunyer (FRCB-IDIBAPS) and the Consorcio Investigación Biomedica en Red (CIBER). She graduated in Biology at the University Autònoma de Barcelona in 2001, and in the same university, received her PhD in 2006, developing new molecular tools for the HIA system and the diagnosis of autoimmune associated disease variants. She did a 3 year of Post-doc in the industrial setting, but returned to academy in 2009 reorienting her career, and focusing her research to the understand the clinical and biological heterogeneity of chronic respiratory diseases as COPD.

Currently her main research motivation relates to the improvement of health care delivery to patients with respiratory diseases through the advancement of our understanding of the mechanisms underlying their heterogeneous clinical presentations. To do so, she investigates biological samples; look for causal associations and potential mechanistic solutions to current clinical problems. Within this framework, her main areas of expertise relate to the vital lung function trajectories in COPD, the application of network medicine tools to study the heterogeneity of COPD and the immunological aspects of COPD both at molecular and cellular level. To do so, she received a ERC-Consolidator Grant 2021, from the European Research Council. In addition to her research endeavors, she teaches immunology to pharmacy undergraduates, and in several master's programs, and is co-chair of the CADSET clinical research collaboration.