

Curriculum Vitae

Dr. Isis Enlil Fernandez

d.o.b. 1984, Cartageña, Colombia

University Education

- 2019 - 2021 Medical Licensing in Germany, with European equivalence. Two medical German proficiency exams and a general medical knowledge exam for full licensing approval.
- 2018 PhD Faculty of Medicine, Ludwig Maximilian University (LMU), Munich, Germany.
- 2004 Medical Degree (MD), Faculty of Medicine, Rafael Nuñez University, Cartageña, Colombia.

Scientific Career

- Since 2019 Head of research group, Institute for Lung Health and Immunity (LHI) and Comprehensive Pneumology Center (CPC), Helmholtz Center Munich, Munich, Germany. Department chair: Prof. Dr. Ali Önder Yildirim.
- Since 2019 Pulmonary Fellow (Pulmonologist in training), Medical Clinic and Policlinic V (Pulmonary Department), Klinikum der Universität München (LMU), Munich, Germany. Department chair: Prof. Dr. Jürgen Behr.

Awards and Honors

- 2024 ERC Starting grant, OMEGA: Deciphering the role of monocytes in pulmonary fibrosis
- 2024 Gilead Foundation.
- 2023 LMU excellence award. Junior research Funds. Excellent cluster LMU, Munich, Germany.
- 2023 DZL (Deutsches Zentrum für Lungenforschung), Flexible Funds.
- 2023 Grant award of the Foundations for the benefit of the Medical Faculty. Medical Faculty, LMU, Munich, Germany.
- 2023 Award for the 15th Interdisziplinären Symposium Thoraxonkologie 2023, Heidelberg, Germany.
- 2021 MOMENTE: Mentoring Program of the Medical Faculty for Excellent Young Scientists, LMU.
- 2021 DZL (Deutsches Zentrum für Lungenforschung), Flexible funds.
- 2020 Munich Excellence Training Initiative for Physician Scientists (Metiphys), Medical Faculty, LMU, Munich, Germany.
- 2020 Dr. Hildegard und Heinrich Fuchs Prize for the promotion of young medical professionals. Best Dissertation of the year 2020. Medical Faculty, LMU, Munich, Germany.
- 2020 Deutscher Dissertationspreis Pneumologie - DGP der Deutschen Lungenstiftung e. V. Best Dissertation in Experimental Pneumology, Leipzig, Germany.

Citation Record

Total citations: 4515; h-index: 22 (Google Scholar, March 2026)

Top-10 selected Publications

Greiffo FR, ..., Behr J, Soehnlein O, Eickelberg O and **Fernandez IE**. CX3CR1-fractalkine axis drives kinetic changes of monocytes in fibrotic interstitial lung diseases. *Eur Respir J* 2020 (IF: 24.9, CN:24). Demonstrated that plasma vs. lung changes in chemoattractant gradients promote monocyte skewing in PF.

Fernandez IE, Greiffo FR, ..., Behr J, Eickelberg O. Peripheral blood myeloid-derived suppressor cells reflect disease status in IPF. *Eur Respir J* 2016 (IF: 24.9, CN: 60).
First report of an immature monocyte subpopulation elevated and functionally relevant in IPF.

Fernandez IE, Eickelberg O. New cellular and molecular mechanisms of lung injury and fibrosis in idiopathic pulmonary fibrosis. *Lancet*. 2012. (IF: 168.9, CN: 455).
Landmark review on the pathophysiology of IPF

Fernandez IE, Eickelberg O. The impact of TGF- β on lung fibrosis: from targeting to biomarkers. *Proc Am Thorac Soc*. 2012. (IF: 8.3, CN: 650).
Landmark review on the pathophysiology of IPF

Washko GR, Hunninghake GM#, **Fernandez IE**, ..., Rosas IO; COPDGene Investigators
Lung volumes and emphysema in smokers with interstitial lung abnormalities. *N Engl J Med*. 2011 (IF: 158, CN: 636).
First reported definition of the ILA phenotype in human cohorts.

Sun N, **Fernandez IE**#, ..., Eickelberg O, Walch A.
Pharmacometabolic response to pirfenidone in pulmonary fibrosis detected by MALDI-FTICR-MSI. *Eur Respir J*. 2018 (IF: 24.9, CN: 56).

Putman RK, ..., **Fernandez IE**, ..., Hunninghake GM; Evaluation of COPD Longitudinally to Identify Predictive Surrogate Endpoints (ECLIPSE) Investigators; COPDGene Investigators. Association Between Interstitial Lung Abnormalities and All-Cause Mortality. *JAMA*. 2016. (IF: 157, CN: 359).

Sun N., **Fernandez IE**, et al.
Pharmacokinetic and pharmacometabolomic study of pirfenidone in normal mouse tissues using high mass resolution MALDI-FTICR-mass spectrometry imaging. *Histochem Cell Biol*. 2016. (IF: 4.3, CN: 39).

Staab-Weijnitz C.A., **Fernandez IE**, ..., Behr J, Kaminski N, Eickelberg O.
FK506-Binding Protein 10, a Potential Novel Drug Target for Idiopathic Pulmonary Fibrosis. *Am J Respir Crit Care Med*. 2015. (IF: 21.4, CN: 64).

Schiller H.B., **Fernandez IE**, ..., Eickelberg O, Mann M
Time- and compartment-resolved proteome profiling of the extracellular niche in lung injury and repair. *Mol Syst Biol*. 2015. (IF: 12.4, CN: 210).