



Cristina M. Alvira, MD
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Dr. Alvira is an Associate Professor of Pediatrics in the Division of Critical Care Medicine, the Crandall Endowed Faculty Scholar in Pediatric Pulmonary Medicine, the Associate Director of Basic Research for the Stanford Center for Excellence in Pulmonary Biology and the Director of the Stanford Department of Pediatrics Physician Scientist Bridge to K Program. Dr. Alvira leads an NIH-funded basic research program that investigates the molecular mechanisms regulating postnatal lung growth, repair and regeneration using genetic gain and loss of function, single cell transcriptomics and advanced imaging. Current projects include delineating the role of a unique embryonic macrophage population in regulating pulmonary vascular development (R01 HL155828), defining pulmonary endothelial cell heterogeneity at single cell resolution during development and in response to injury (R01 HL154002), and investigating the role of a novel calcium channel in regulating myometrial contractility and contributing to preterm birth (R01 HD092316). In addition to her research, Dr. Alvira is dedicated to mentorship and the career development of the next generation of physician-scientists. Locally, Dr. Alvira serves as a Mentor of the Stanford T32 Research Training Fellowship in Lung Biology and the K12 Women's Reproductive Health Research at Stanford Program. Nationally, Dr. Alvira has served on the Council and is 2022-2023 President-elect for the Society for Pediatric Research (SPR), is currently a Cohort Leader for the APS/SPR Journeys in Research Program, and a Co-Lead for the SPR Grant Writing 101 Program.