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Dr. David McCulley is a lung and pulmonary vascular developmental biologist and a physician in Neonatal-Perinatal medicine. He is an Associate Professor of Pediatrics at the University of California, San Diego & Rady Children's Hospital. David and his lab investigate the genetic and developmental mechanisms responsible for lung hypoplasia and pulmonary hypertension in people with congenital diaphragmatic hernia (CDH). His lab collaborates with human geneticists, developmental biologists, and pulmonary vascular physiologists to determine the underlying mechanisms responsible for this disease and to identify novel approaches that promote lung and pulmonary vascular development and improve survival for patients. David was a fellow in Neonatology and the Cardiovascular Research Institute at UCSF and an Assistant Professor at the University of Wisconsin-Madison. He and his lab moved to UCSD and Rady Children's Hospital in 2021. David is committed to promoting collaboration and career development for physician-scientists. He has served as the President of the Midwest Society for Pediatric Research and is currently on the Executive Council for the Society for Pediatric Research as the SPR Ambassador to the North American Regional Societies.