

Dr. Mona Malek Mohammadi is a group leader at the Institute of Physiology I at the University Hospital Bonn in Germany. Her research focuses on cardiovascular diseases, specifically on the mechanisms behind neonatal heart regeneration. She and her team have developed various cardiac injury models to induce damage or simulate pressure overload. Using single cell sequencing, advanced cardiac imaging, and lineage tracing techniques, they investigate the complex interactions at the molecular and cellular levels that drive heart regeneration. They aim to uncover the essential mechanisms that govern heart regeneration and its eventual decline, ultimately paving the way for innovative therapeutic approaches.