

Sebastian Preissl

Sebastian Preissl is Professor and Head of the Department Pharmacology and Toxicology at the Institute of Pharmaceutical Sciences at University of Graz. He is also a group leader at the Institute of Experimental and Clinical Pharmacology and Toxicology at the University of Freiburg.

The main objective of his lab's research is to dissect epigenomic and gene regulatory programs underlying tissue homeostasis as well as cardiovascular and kidney diseases.

Sebastian Preissl studied pharmacy and received his PhD from University of Freiburg, Germany, where his research focused on DNA methylation in cardiomyocytes in heart development and heart failure. His postdoc in Prof. Bing Ren's laboratory at the Ludwig Institute for Cancer, San Diego, centered on 3D chromatin organization and enhancer dynamics in cardiomyocyte differentiation and single cell epigenomic profiling of chromatin accessibility in mouse forebrain development. From 2017-2021, he was the Associate Director for Single Cell Genomics at the UCSD Center for Epigenomics. Here, his team set up state-of-the-art single cell (epi-)genomics research platforms for single cell (epi-)genomic profiling that enabled in depth studies of mouse and human tissues including brain, lung, heart and an atlas of chromatin accessibility across 30 human adult tissues.