



Bernd Fruhberger, Ph.D.

Technical Director, Nano3 Cleanroom Facility; Associate Director, Operations, San Diego Nanotechnology Infrastructure (SDNI)

Bernd Fruhberger has led the operations of UCSD's Nano3 micro/nano-fabrication facility since its inception in 2006, growing the operation to become one of the Nation's 16 facilities that make up the NSF supported National Nanotechnology Coordinated Infrastructure (NNCI), enabling research and innovation for many hundreds of academia, industry and government researchers through open-access user facilities. During his tenure, Nano3 has become widely accepted as an enabler of transformative research and education for the innovation ecosystem of San Diego and beyond. With help of its facility and services, local high-tech startups were able to prove scientific concepts and product ideas and raise over \$400M in funding during the 5 years prior to 2021.

Dr. Fruhberger has an extensive background in Microsensor Development, Thin Film Deposition, Materials Characterization, Device Fabrication and Vacuum Technology. Prior to joining UCSD in 2003, he was a Senior Staff Scientist at Graviton and Sensor Research and Development Corporation, and a Senior Scientist at BOC Gases. Dr. Fruhberger received his doctoral degree in Physical Chemistry from the University of Heidelberg, Germany. He has done research work at the Fritz-Haber-Institute of the Max-Planck Society in Berlin, Germany and spent 3 years as a post-doctoral fellow at Exxon's fundamental research laboratory in Annandale, New Jersey.

Dr. Fruhberger has 44 publications in peer-reviewed journals and 6 issued patents.