



John Tamelier, Ph.D.

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

John Tamelier has been working since 2017 as a process engineer with UCSD's Nano3 cleanroom facility, a 10,000-square-foot laboratory focusing on nanoscience, nanoengineering, and nanomedicine. He took over as director of the facility in 2022. John has held critical engineering and administrative roles during Nano3's involvement in the National Science Foundation supported National Nanotechnology Coordinated Infrastructure (NNCI). The San Diego Nanotechnology Infrastructure (SDNI) is UCSD's site in the NNCI, which is limited to just 16 sites across the United States. The Nano3 facility enables research and innovation for hundreds of academia, industry and government researchers through the open-access user facilities. Nano3 has become widely accepted as an enabler of transformative research and education for the innovation ecosystem of San Diego and beyond. With the 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 from 2016 to 2021.

Dr. Tamelier has an extensive background in Microelectromechanical systems (MEMS), direct-write lithography including photolithography and electron beam lithography, thin film deposition, wet and dry etching, materials characterization, and other device fabrication techniques. Prior to joining UCSD, he was a Process Development Engineer at Innovative Micro Technology. Dr. Tamelier received his doctoral degree in Mechanical Engineering from the University of California, Santa Barbara and his bachelor's degree in Mechanical Engineering from California Polytechnic State University, San Luis Obispo.