

Nano-Argovia projects 2023

Newly started projects

Project	Project head	Project partner
18.1 CAPOFOX – CAPillary Optics for Focusing of X-rays	H. Schiff (PSI)	S. Saxer (FHNW MuttENZ), F. Döring (XRnanotech, Villigen)
18.5 NanoFemto Tweezers – Multi-cellular tissue assembly with holographic optical tweezers based on diffractive nano-optics and femtosecond red diode pumped alexandrite laser	B. Resan (FHNW Windisch)	M. Gullo (FHNW MuttENZ), S. von Wolff (TLD Photonics)
18.6 NanoHighSens – NanoHighSens: Nanoscale and high bandwidth current sensor	J. Pascal (FHNW MuttENZ)	S. (FHNW Windisch), M. Ullrich (Camille Bauer Metrawatt)
18.7 QSB – Quantum sensors for brain imaging	K. Moselund (PSI)	M. A. Kirschmann (CSEM Allschwil), T. Sjölander (Qnami)
18.8 SmartCoat – Innovative SmartCoats for efficient and targeted delivery of RNA-based therapeutics	J. Mosbacher (FHNW MuttENZ)	G. Lipps (FHNW MuttENZ), R. Benoit (PSI), W. L. Wishart (Palto Therapeutics)

Prolonged projects

(with report in the scientific supplement)

Project	Project head	Project partner
17.01 B7H3 NANOBODY-PC – B7H3 Nanobody polymer conjugates as novel theranostic tool for immuno-oncology	C. Geraths (CIS Pharma AG, Bubendorf)	O. Germershaus (FHNW MuttENZ), T. Villiger (FHNW MuttENZ), M. Behe (PSI), J. Nazarian (KISPI Zürich, without financial support)
17.02 CRONOS – Cosmic-ray reliability of nanoscale oxide layers in power semiconductors	R. Minamisawa (FHNW Windisch)	C. Grünzweig (ANAXAM), R. Stark (SwissSEM GmbH, Lenzburg)
17.03 FuncEM – Functional cryo-EM sample preparation	T. Braun (Univ. Basel)	T. Ishikawa (PSI), A. Engel (cryoWrite AG, Basel)
17.04 META-DISPLAYS – Nanoimprinted metasurfaces	B. Gallinet (CSEM Allschwil)	D. Kazazis (PSI), R. Frantz (Rolic Technologies Ltd., Basel)