

Nano Argovia Projects

Projects started in 2020

Project	Project leader	Project partner
A15.01 ForMel – Mechanoresponsive Liposomen – Entwicklung einer präklinischen Formulierung und eines Herstellungsprozesses im Pilotmassstab	O. Germershaus (FHNW)	C. Grünzweig (ANAXAM), M. Kuentz (FHNW), A. Zumbühl (Acthera Therapeutics AG, Basel)
A15.08 Promucola – Protective multi-component layer	M. de Wild (FHNW)	C. Grünzweig (ANAXAM), A. Salito (Orchid Orthopedics Switzerland GmbH, Baden-Dättwil)
A15.09 ReLaFunAF – Reactive Layer functionalization of UV curable coatings using microscale patterning and nanoscale architecture design for anti-fingerprint properties	S. Neuhaus (FHNW)	C. Padeste (PSI), A. Di Gianni (RadLab AG, Killwangen)
A15.10 SiNPFood – Characterization of silica nanoparticle contamination in complex nutritional products	S. Saxer (FHNW)	C. Palivan (Univ. Basel), A. Düsterloh (DSM Nutrition Products AG, Kaiseraugst)
A15.11 TiSpikes – Antibacterial titanium nanostructures by helium plasma irradiation	Dr. L. Marot (Univ. Basel)	E. Meyer (Univ. Basel), S. Kühl (Univ. Basel), K. Mukaddam (Univ. Basel), J. Köser (FHNW), R. Wagner (Institut Straumann AG, Basel), J. Hofstetter (Institut Straumann AG, Basel)

Extended projects

(with and without financial support, with report in the scientific supplement)

Project	Project leader	Project partner
A13.08 MEGAnanoPower – Disruptive power storage technology applying electrolyte nano dispersions and micro/ nano structured electrodes	U. Pieleas (FHNW)	S. Fricke (CSEM Muttentz), A. Schimanski (Aigys AG, Othmarsingen)
A14.04 DeePest – A detector for pesticides in drinking water	J. Pascal (FHNW)	P. Shahgaldian (FHNW), E. Weingartner (FHNW), D. Matter (Mems AG, Birmenstorf)
A14.07 KOKORO – Origami heart model based on nano-patterned paper scaffold for directed cardiac tissue engineering	M. R. Gullo (FHNW)	J. Köser (FHNW), A. Banfi (Univ. Basel), A. Marsano (Univ. Basel), J. Schoelkopf (Omya International AG, Oftringen)
A14.13 NCT Nano – Novel cancer-targeted nanoparticles	M. Zigler (TargImmune Therapeutics, Basel)	C. Palivan (Univ. Basel), I. Craciun (Univ. Basel), Y. Benenson (ETH D-BSSE)
A14.15 PERINANO – Nano ² : A bioresponsive nano-in-nano composite for drug delivery and tissue regeneration in peri-implantitis	F. Koch (FHNW), O. Germershaus (FHNW)	U. Pieleas (FHNW), S. Stübinger (Univ. Basel), M. Hug (credentis AG, Windisch)
A14.19 UltraNanoGRACO – Customized, nanostructured grating compressors for high repetition rate ultrafast lasers	F. Lütolf (CSEM)	G. Basset (CSEM), B. Resan (FHNW), F. Emaury (Menhir Photonics AG, Basel)