Curriculum Vitae

Peter Wick
Prof. Dr. rer. nat. Dipl. Biologist
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Date of birth: 14. September 1971

Birthplace Zuzwil SG, Switzerland

Nationality: Swiss

Civil Status: married, 2 children Florian (2007) and Timo (2010)

Education:

2023	IDM Advanced Academic Leadership Program
2016	SMP Management course (4 days)
since 2009	Empa internal leadership trainings (Modul 1 – 4)
2005 - 2010	Education in Toxicology
1998 - 2002	PhD Thesis, University of Fribourg Prof Dr JP Métraux (focus on cellular- and molecular biology)
1993 - 1997	Study and Diploma degree in biology at University of Fribourg

Academic appointments and professional experience:

Since ..2023	Adjunct Professor ETH Zurich, Health Science and Technology Department
since 2014	Head Particles - Biology Interactions Laboratory
since 2014	Modul leader in Research Focus Area 'Health and Performance
2010 - 2014	Co-Head Materials – Biology Interactions Laboratory
2009 - 2010	Group leader Nanointercell
2007 - 2009	Deputy Group leader Nanointercell of Materials – Biology Interactions Laboratory, Empa St. Gallen
2002 - 2007	Scientific Collaborator Laboratory for Biocompatible Materials, Deputy Group leader MaTisMed, Empa St. Gallen
1998 - 2002	Dipl. Assistant at the Faculty of Natural Science University of Fribourg

Institutional responsibilities:

2020 - 2022	Member of the Swiss National COVID-19 Science Task Force
since 2018	Head of National Contact Point Nano.CH
2017 - 2019	Coordinator H2020 Prosafe 'GoNanoBioMat'
2014 - 2019	Coordinator CCMX Materials Challenge ‚NanoScreen'

Awards and Honors:

2018	**Best Poster Award,** 8th Submit CLINAM, Basel Bürki-Thurnherr T, Grafmüller S, Manser P, Muoth C, Aengenheister L, Wichser A, Jochum W, Diner PA, von Mandach U, Wick P
2014	**2nd Best Talk Award**, 7th International Nanotoxicology Congress Antalya TR Mouth C, Schipanski A, Bürki-Thurnherr T, Rottmar M, Wick P, Maniura K, Does the cell architecture influences engineered nanomaterial uptake? – an experimental approach

2010 **Certificate of Recognition one of Elsevier's Top 10 cited articles on Scopus 07-08**
Wick P, Manser P, Limbach LK, Dettlaff-Weglikowska U, Krumeich F, Roth S, Stark WJ, Bruinink A (2007) The degree and kind of agglomeration affect carbon nanotube cytotoxicity. Toxicology Letters (168) 121-131

2008 **Award for the best paper 2007 of Environmental Science and Technology**
Limbach L, Wick P, Manser P, Grass RN, Bruinink A, Stark WJ (2007) Exposure of engineered nanoparticles to human lung epithelial cells: Influence of chemical composition nd catalytic activity on oxidative stress. Environ Sci Technol 41 (11) 4158-63

Approved Research Grants:
Over 55 third party projects, total volume of 17 MCHF

2024	Industrial cooperation (confid)	main applicant (135 kCHF)
2023	HEurope CHIASMA	co-applicant (5.5M€ / 1050 k€)
	HEurope INSIGHT	co-applicant (7.1M€ / 675 k€)
	HEurope Toxbox	co-applicant (5.1M€ / 350 k€)
	HEurope Metrino	co-applicant (6.4 M€ / 680 k€)
	Industrial cooperation (confid)	main applicant (252 kCHF)
	Federal Food safety eatable coatings	main applicant (95 kCHF)
	RIC-2D join initiative	co-application (4 M$ / 380k$)
2022	HEurope MACRAME	co-applicant (7.1M€ / 835 k€)
	Mirto Foundation	main applicant (45 kCHF)
	Elgin Foundation	main applicant (150 kCHF)
	Dr. Hans Altschüler Foundation	main applicant (30 kCHF)
	Dr. Gerberten Bosch Foundation	main applicant (50 kCHF)
	Animalfree Research	main applicant (30 CHF)
2021	HEurope NOVA	co-applicant (7.5M€ / 850 k€)
	Industrial cooperation (confid.)	main applicant (156 kCHF)
2020	InnoSuisse ReMask	co-applicant (1.9 MCHF / 120 kCHF)
	Industrial cooperation (confid.)	main applicant (550 kCHF)
2019	Industrial cooperation (confid)	main applicant (35 kCHF)
	EmpaPostDoc Cofound	co-applicant (80 kCHF)
	H2020 SpearHead Safegraph	co-applicant (1 M€ / 300 k€)
2018	Contact Point Nano.CH	main applicant (625 kCHF)
	BAFU BMBF DaNa Support	main applicant (80 kCHF)
	H2020 Nanorigo	co-applicant (4.5 M€ / 165 k€)
2017	SNSF Dynamic X	co-applicant (550 kCHF / 200 kCHF)
	H2020 ProSafe GoNanoBioMat	main applicant (1.3 M€ / 388 k€)
	Industrial cooperation (confid.)	main applicant (16 kCHF)
	Industrial cooperation (confid.)	main applicant (35 kCHF)
	H2020 REFINE	co-applicant (4.8 M€ / 470 k€)
2016	SNSF Graphene at Lung	main applicant (525 kCHF)
	Industrial cooperation (confid)	main applicant (290 k€)
2015	KTI 4DLifeTec SCGE	main applicant (640 kCHF)
	KTI Flame Retardants	co-applicant (800 kCHF / 28 kCHF)
	H2020 EU-NCL Infrastructure	co-applicant (5 M€ / 720 k€)
2014	BMBF NanoUmwelt	co-applicant (1.8 M€ / 180 k€)
	CCMX Challenge NanoScreen	main applicant (2.0 MCHF / 1.4 MCHF)
	7th F&E Wound dressing	co-applicant (350 kCHF / 80 kCHF)
2013	SNSF NFP64 CNT Abrasion (cont.)	co-applicant (92 kCHF / 24 kCHF)
	7th FP EU NanoReg	co-applicant (5 M€ / 120 kCHF)
	BMBF DaNa II	co-applicant (3 M€ / 344 k€)
	7th FP EU Flagship Graphene	co-applicant (1000 M€ / 730 k€)
2012	SNSF NRP64 NanoCupper	main applicant (350 kCHF)
	SNSF NRP64 FoodN'Immunity	co-applicant (350 kCHF / 150 kCHF)
	7th FP EU NANOSOLUTIONS	main applicant (10 M€ / 290 k€)
	Industrial cooperation (confid.)	main applicant (350 kCHF)
2011	FAG Basel NP Uptake	co-applicant (75 kCHF / 35 kCHF)
	CH-South Korea bilateral Program	main applicant (50 kCHF)
	Main Accident Report for FOEN	co-applicant (60 kCHF / 27 kCHF)
2010	SNSF NFP64 Placenta Perfusion	main applicant (350 kCHF)

	SNSF NFP64 CNT Abrasion	co-applicant (400 kCHF / 150 kCHF)
	7th FP EU MARINA	co-applicant (12 M€ / 165 k€)
	IRTG NeuroNanotox (DFG)	co-applicant (900 k€ / 85 k€)
2009	CCMX VIGO	co-applicant (675 kCHF)
	7th FP EU NanoHouse	co-applicant (2.4 M€ / 70 k€)
2007	6th F&E Protein-CNT Interaction	main applicant (100 kCHF)
	7th FP NanoImpactNet	co-applicant (2 M€ / 15 k€)
until 2006	6th FP EU CANAPE	supporter (2.5 M€ / 270 k€)
	BAG / BAFU / KTI NanoRisk	supporter (320 kCHF)
	5th F&E NeuroCNTox	main applicant (100 kCHF)

P**eer-reviewed publications:**

>15800 cited, 1420 in 2023, h-index 59 (Source Google Scholar 24.02.2024)
>11400 cited, 1120 in 2023, h-index 51 (Source Scopus 24.02.2024)

159) Krupnik L, Avaro J, Liebi M, Anaraki Iranpour N, Kohlbrecher J, Sologuebenko A, Handschin S, Rzepiela AJ, Appel C, Totu T, Blanchet CE, Barton AE, Digigiow R, Philipp E, Flühmann B, Sliva BFB, Neels A, Wick P, (2024) Iron-carbohydrate complexes treating iron anaemia: Understanding the nano-structure and interactions with proteins through orthogonal characterization, JCR 4(1)566-79

158) Lin H, Buerki-Thurnherr T, Kaur J, **Wick P**, Pelin M, Tubaro A, Carniel FC, Tretiach M, Flahaut E, Iglesias D, Vázquez E, Cellot G, Ballerini L, Castagnola V, Benfenati F, Armirotti A, Sallustrau A, Taran F, Keck M, Bussy C, Vranic S, Kostarelos K, Connolly M, Maria Navas J, Mouchet F, Gauthier L, Baker J, Suarez-Merino B, Kanerva T, Prato M, Fadeel B, Bianco A, (2024) Environmental and health impacts of graphene and other two-dimensional materials: a graphene flagship perspective, ACSNano 18(8)6038-94

157) Gupta G, Wang Z, Kissling VM, Gogos A, **Wick P**, Bürki-Thurnherr T, (2024) Boron nitride nanosheets induce lipid accumulation and autophagy in human alveolar lung epithelial cells cultivated at the air-liquid interface, Small, 2308148

156) **Wick P**, Zhang H, Lin S, Li X, Zhang C, Ardona HA, (2024) Special Issue: Environmental and Health impacts of two-dimensional nanomaterials, editorial, NanoImpact, 100491

155) Meier P, Clement P, Altenried S, Reina G, Ren Q, Zuest R, Enger O, Choi F, Nestle N, Deisenroth T, Neubauer P, **Wick P**, (2023) Quaternary ammonium-based coating of textiles is effective against bacteria and viruses with a low risk to human health, SciRep 13(1)20556

154) Bossart J, Rippl A, Barton AE, Flühmann B, Digigow R, Buljan M, Ayala-Nunez V, **Wick P**, (2023) Uncovering the dynamics of cellular responses induced by iron-carbohydrate complexes in human macrophages using quantitative proteomics and phosphoproteomics, Biomed Pharmacother, 166,115404

153) Krupnik L, Joshi P, Kappler A, Flühmann B, Alston A, Digigow R, **Wick P**, Neels A, (2023) Critical nanomaterial attributes of iron-carbohydrate nanoparticles: Leveraging orthogonal methods to resolve the 3-dimensional structure, EJPS 188, 106521

152) Romeo D, Clement P, **Wick P**, (2023) Release and toxicity assessment of carbon nanomaterial reinforced polymers during the use and end-of-life phases: A comparative review, NanoImpact, 100477

151) Malina T, Hirsch C, Rippl A, Panacek D, Polakova K, Sedajova V, Scheibe M, Zboril R, **Wick P**, (2023) Safety assessment of graphene acid and cyanographene: Towards new carbon-based nanomedicine, Carbon 211,118093

150) Chortarea S, Gupta G, Saarimäki LA, Netkueakul W, Manser P, Aengenheister L, Wichser A, Fortino V, **Wick P**, Greco D, Buerki-Thurnherr T, (2023) Transcriptomic profiling reveals differential cellular response to copper oxide nanoparticles and polystyrene nanoplastics in perfused human placenta, Environ Intern, 108015

149) Ivanoska-Dacikj A, Oguz-Gouillart Y, Hossain G, Kaplan M, Sivri Ç, Ros-Lis JV, Mikucioniene D, Munir MU, Kizildag N, Unal S, Safarik I, Akgül E, Yıldırım N, Bedeloğlu AC, Ünsal ÖF, Herwig G, Rossi RM, **Wick P**, Clement P, Sarac AS (2023) Advanced and Smart Textiles during and after the COVID-19 Pandemic: Issues, Challenges, and Innovations, Healthcare 11,8,1115

148) Mullins M, Himly M, Llopis IR, Furxhi I, Hofer S, Hofstätter N, **Wick P**, Romeo D, Küehnel D, Siivola K, Catalan J, Hund-Rinke K, Xiarchos I, Linehan S, Schuurbiers D, Bilbao AG, Barruetabena L, Drobne D, (2023) Environ Sys Decisions 43,1,3-15

147) Korejwo D, Chortarea S, Louka C, Buljan M, Rothen-Rutishauser B, **Wick P**, Buerki-Thurnherr T (2023) Gene expression profiling of human macrophages after graphene oxide and graphene nanoplatelets treatment reveals particle-specific regulation of pathways, NanoImpact, 100452

146) Bürgi JJ, Rösslein M, Nolte O, **Wick P**, Goy RG, Stranders S, Dollenmaier G, Peier K, Nohynek B, Fischer A, Stolz R, Cettuzzi M, Graf L, Korte W, (2022) Mild COVID-19 induces early, quantifiable, persistent troponin I elevations in elder men, Frontiers in Cardiovascular Medicine 9,1053790

145) Iranpour Anaraki N, Liebi M, Iranshahi K, Blanchet C, **Wick P**, Neels A, (2022) Time-Resolved Study on Self-Assembling Behavior of PEGylated Gold Nanoparticles in the Presence of Human Serum Albumin: A System for Nanomedical Applications, ACS Appl Nanomat 5(12)18921-29

144) Romeo D, Louka C, Gudino B, Wigström J, **Wick P**, (2022) Structure-activity relationship of graphene-related materials: A meta-analysis based on mammalian in vitro toxicity data, Nanoimpact 28,100436

143) Meier P, Zabara M, Hirsch C, Gogos A, Tscherrig D, Richner G, Nowack B, **Wick P**, (2022) Evaluation of fiber and debris release from protective COVID-19 mask textiles and in vitro acute cytotoxicity effects, Envrion Intern 167,107364

142) Netkueakul W, Chortarea S, Li H, Qiu G, Jovic M, Gaan S, Hannig Y, Bürki-Thurnherr T, Wang J, **Wick P**, (2022) Airborne emissions from combustion of epoxy-graphene nanoplatelets composites and their cytotoxicity on lung cells via air liquid interface cell exposure in vitro, NanoImpact, 100414

141) Chortarea S, Kuru OC, Netkueakul W, Buerki-Thurnherr T, Pelin M, Keshavan S, Song Z, Gomez J, Villaro E, Luna L, Kontis N, Anagnostopoulos G, Galiotis C, Caataldi P, Kinloch I, Fadel B, Bussy C, Kostarelos K, Bianco A, Prato M, **Wick P**, (2022) Impact of abraded graphene reinforced composites: a multi organ – multi-endpoint study in vitro and in vivo, J Hazard Mat 435, 129053

140) Furer LA, Clement P, Herwig G, Rossi RM, Bhoelan F, Amacker M, Stegemann T, Bürki-Thurherr B, **Wick P**, (2022) A novel inactivated virus system (InVis) for a fast and inexpensive assessment of viral disintegration, Sci Rep 12(1),1-11

139) Romeo D, Hischier R, Nowack B, **Wick P** (2022), Approach towards in vitro-based human toxicity effect factors for the life cycle impact assessment of inhaled low-solubility particles, Environ Sci & Technol, 56,8552-8560

138) Buljan M, **Wick P** (2022) Tailoring design of nanomaterials and systems to individualize patient treatments, Chimia 76(3)236

137) Batt T, Annaheim S, Clement P, Furer L, Hirsch C, Varanges V, Caglar B, Michaud V, Wang J, Richner G, **Wick P**, Rossi R, (2022) COVID-19 pandemic response, from an emergency solution to a long term innovation game changer for the textile industry, Chimia 76(3)249

136) Meier P, Zabara M, Hirsch C, Gogos A, Tscherrig D, Richner G, Nowack B, **Wick P** (2022) Evaluation of fiber and debris release from protective COVID-19 mask textiles and in vitro actue cytotoxicity effects, Environ Int Sep;167:107364

135) Bürgi JJ, Rösslein M, Hornung H, Jentsch J, Boller VL, Dollenmaier G, **Wick P**, Peier K, Nohynek B, Fischer A, Stolz R, Cettuzzi M, Reut M, Boy RG, Nolte O, Korte W (2022) Divergent humoral responses in mild to moderate SARS-CoV-2 infection over time-indication of presistence of the virus? J infection 84(3)418-467

134) Iranpour Anaraki N, Liebi M, Ong Q, Blanchet C, Maurya AK, Stellacci F, Salentinig S, **Wick P**, Neels A, (2022) In situ investigations on gold nanoparticles stabilization mechanism in biological environments containing HSA, Adv Funct Mat 32(9)2110253

133) May S, Rippl A, Bürkle A, **Wick P**, Hirsch C, (2022) Assessing genotoxicity of various different ENM by the novel semi-automated FADU assay and the traditional alkaline comet assay, Nanomaterials 12(2)220

132) Romeo D, Hischier R, Nowack B, Jolliet O, Fankte P, **Wick P** (2022) In vitro based human toxicity effect factors: challenges and opportunities for nanomaterial impact assessment Environ Sci Nano 9,1913-1925

131) Romeo D, Nowack B, **Wick P**, (2022) Combined in vitro-in vivo dosimetry enables the extrapolation of in vitro doses to human exposure levels: a proof of concept based on a meta-analysis of in vitro and in vivo titanium dioxide toxicity data NanoImpact 25,100376

130) Mitrano D, **Wick P**, Nowack B, (2021) Small(er) particles, big(ger) problems? Placing nanoplastics in context with global plastic pollutions, Nat Nanotech 16(5)491-500

129) Wiesli MG, Kaiser JP, Gautier E, **Wick P**, Maniura K, Rottmar M, Wahl P (2021) Influence of ceftriaxone on human bone cell viability and in vitro mineralization potential is concentration and time-dependent Bone & Joint Research 10 (3), 218-225

128) SARS-CoV-2 IgG and IgA antibody response is gender dependent and IgG antibodies rapidly decline early on (2021) Korte W, Buljan M, Rösslein M, **Wick P**, Golubov V, Jentsch J, Reut M, Peier K, Nohynek B, Fischer A, Stolz R, Cettuzzi M, Nolte O Journal of Infection 82(1),e11-e14

127) Hempt C, Hirsch C, Hannig Y, Rippl A, **Wick P**, Bürki-Thurnherr T, (2021) Investigation the effect of differently produced synthetic amorphous silica (E 551) on the integrity and functionality of the human intestinal barrier using an advanced in vitro co-culture model, Archive of Toxicol 95 (3), 837-852

126) Iranpour Anaraki N, Sadeghpour A, Iranshahi K, Ong Khac Q, Cendrowska U, Toncelli C, Dommann A, **Wick P**, Neels A, (2020) A new approach for time-resolved and dynamic investigations on nanoparticles agglomeration, Nanoresearch 13(10)2847-2856

125) Franz P, Bürkle A, **Wick P**, Hirsch C, (2020) Exploring flow cytometry-based micronucleus scoring for reliable nanomaterial genotoxicity assessment Chem Res Toxicol, 33(10)2538-2549 (plus Supplemental Cover)

124) Hempt C, Kaiser JP, Scholder O, Bürki-Thurnherr T, Hofmann H, Kucki M, Rippl A, Schuster TB, **Wick P**, Hirsch C, (2020) The impact of synthetic amorphous silica (E 551) on differentiated caco-2 cells, a model for the human intestinal epithelium Toxicol in vitro 104903

123) Milosevic A, Romeo D, **Wick P**, (2020) Predictive nanotoxicology: How nanomaterial biotransformation remains an unmet challenge, SMALL 16(36) 1907650 (on invitation plus Cover)
122) Nikravesh N, Borchard G, Hofmann H, Philip E, Flühmann B, **Wick P**, (2020) Factors Influencing safety and efficacy of intravenous iron-carbohydrate nanomedicines: from production to clinical practive, Nanomed: Nanotechnol, Biol Med 26, 102178

121) Schmutz M, Borges O, Jesus S, Borchard G, Perale G, Zinn M, Sips AJAM, Soeteman-Hernandez LG, **Wick P**, Som C, (2020) A methodological Safe-by-Design approach for the development of nanomedicines, Front Bioeng Biotechnol 8, 258

120) Romero D, Saleri B, Hischier R, Nowack B, **Wick P**, (2020) An integrated pathway based on in vitro data for the human hazard assessment of nanomaterials Environ Intern 137;105505

119) Jesus S, Marques AP, Duarte A, Soares E, Costa JP, Colaco MA, Schmutz M, Som C, Borchard G, **Wick P**, Borges O (2020) Chitosan nanoparticles: shedding light on immunotoxicity and hemacompatibility, Front Bioeng Biotechnol 8;100

118) Saleri B, Kaiser JP, Rösslein M, Hischier R, Nowack B, **Wick P**, (2020) Relative potency approach for using in vitro information for definition of effect factors of human toxicity in life cycle impact assessment Nanotoxicology 14:2, 275-286

117) Beyeler S, Steiner S, Wotzkow C, Tschanz SA, Sengal AA, **Wick P**, Haenni B, Alves MP, von Garnier C, Blank F, (2020) Multi-walled carbon nanotubes activate and shift polarization of pulmonary macrophages and dendritic cells in an in vivo model of chronic obstructive lung disease Nanotoxicol 14(1);77-96

116) Schmutz M, Hischier R, **Wick P**, Blatt T, Wäger P, Nowack B, Som C (2020) Cotton or surgical masks – what ecological factors are relevant for their sustainability? Sustainability 12 (24), 10245

115) Borchard G, Som C, Zinn M, Ostafe V, Borges O, Perale G, **Wick P** (2020) Polymeric Nano-Biomaterials for Medical Applications: Advancements in Developing and Implementation Considering Safety-By-Design Concepts Front Bioeng Biotechnol 8,1132 (editorial for Special Issue)

114) Netkueakul W*, Korejwo D*, Hammer T, Chortarea S, Rupper R, Braun O, Clamae M, Rothen-Rutishauser B, Buerki-Thurnherr T, Wang J*, **Wick P***, (2020) Release of graphene-related materials from epoxy-based composites: characterization, quantification and hazard assessment *in vitro*, NanoScale 12(19)10703-10722

113) Cassano JC, Rösslein M, Kaufmann R, Lüthi T, Schicht O, **Wick P**, Hirsch C, (2020) A novel approach to increase robustness, precision and high-throughput capacity of single cell gel electrophoresis, ALTEX 37(1);95-109

112) **Wick P**, Franz P, Huber S, Hirsch C, (2020) Innovative techniques and strategies for a reliable high-throughput genotoxicity assessment, Chem Res Toxicol 33;283-285

111) Hesler M, Aengenheister L, Ellinger B, Drexel R, Straskraba S, Jost CC, Meier F, Buechel C, **Wick P**, Bürki-Thurnherr T, Kohl Y, (2019) Multi-endpoint toxicological assessment of polystyrene nano- and micro- particles in different biological models in vitro, Toxicol in Vitro 61,104610

110) Ghaemi B, Moshiri A, Herrmann IK, Hajipour MJ, **Wick P**, Amani A, Sharmin Kharrazi (2019) Supramolecular insights into domino effect of Ag@ZnO-induced oxidative stress in melanoma cancer cells, ACS Applied Materials & Interfaces 11 (50), 46408-46418

109) Jesus S, Schmutz M, Som C, Borchard G, **Wick P**, Borges O (2019) Hazard assessment of polymeric nanobiomaterials for drug delivery: what can we learn from literature so far, Frontiers in bioengineering an dbiotechnology 7, 268

108) Casalini T, Limongelli V, Schmutz M, Som C, Jordan O, **Wick P**, Borchard G, Perale G (2019) Molecular modeling for nanomaterial-biology interactions: Opportunities, challenges and perspectives Frontiers in bioengineering and biotechnology 7, 268

107) Warth B, Preindl K, Manser P, **Wick P**, Marko D, Buerki-Thurnherr T, (2019) Transfer and metabolism of the xenoestrogen zeralenone in human perfused placenta EHP 127 10,107004

106) Petersen EJ, Hirsch C, Elliot JT, **Wick P**, Krug HF, Aengenheister L, May S, Rösslein M, (2019) Cause and effect analysis: a new approach for developing robust nano-bio assays. Chem Res Toxicol 33(5),1039-1054

105) Roman DL, Roman M, Som C, Schmutz M, Hernandez E, **Wick P**, Casaline T, Perale G, Ostafe V, Isvoran A, Computational assessment of the pharmacological profiles of degradation products of chitosan (2019) Front BioengBiotechnol 7,214

104) Aengenheister L, Dugershaw BBB, Manser P, Wichser A, Schoenenberger R, **Wick P**, Hesler M, Kohl Y, Straskraba S, Suter MJF, Bürki-Thurnherr T, (2019) Investigating the accumulation and translocation of titanium dioxide nanoparticles with different surface modifications in static and dynamic human placental transfer models, Europ J Pharma Biopharma 142,488-497

103) Prina-Mello A, Schmid R, **Wick P**, Caputo F, Boisseau P, et al (2019) On the issue of transparency and reproducibility in nanomedicine, Nat Nanotech 14(7)629-631

102) Siegrist S, Cörek E, Detampel P, Sandström J, **Wick P**, Huwyler J, (2019) Preclinical Safety evaluation strategy for Nanomedicines, Nanotoxicology 13(1)73-99

101) Anthis AHC, Tsolaki E, Didierlaurent L, Staubli S, Zboray R, Neels A, Dietrich D, Manser P, Desbiolles LM, Leschka S, Wildermuth S, Lehner S, Chavatte-Palmer P, Jochum W, **Wick P**, Dommann A, Bürki-Thurnherr T, Fischer T, Hornung R, Bertazzo S, Herrmann IK (2019) Nano-analytical characterization of endogenous minerals in healthy placental tissue: mineral distribution, composition and ultrastructure, Analyst 144(23), 6850-6857

100) Civardi C, Grolimund D, Schubert M, **Wick P**, Schwarze FWMR, (2019) Micronized copper-treated wood: copper remobilization into spores from the copper-tolerant wood-destroying fungus *Rhodonia placenta* Environmental Science Nano 6(2),425-431

99) Maguire CM, Rösslein M, **Wick P**, Prina-Mello A, (2018) Characterisation of particles in solution–a perspective on light scattering and comparative technologies STAM 19(1)732-745

98) Aengenheister L, Dietrich D, Sadeghpour A, Manser P, Diener L, Wichser A, Karst U, **Wick P**, Bürki-Thurnherr T, (2018) Gold nanoparticle distribution in advanced in vitro and ex vivo human placental barrier models, J Nanobiotechnol 16(1)1-16

97) Bohmer N, May S, Rippl A, Roesslein M, Hea MB, Kwak MJ, Song NW, **Wick P,** Hirsch C, (2018) Interference of engineeried nanomatierals in flow cytometry: a case study Colloids and surfaces B: Biointerfaces 172,635-645

96) Fadeel B, Bussy C, Guijarro SM, Fernandez-Pacheco EV, Flahaut E, Maouchet F, Evariste L, Gauthier L, Koivisto J, Vogel U, Jimenez CM, Delogu L, Bürki-Thurnherr T, **Wick P**, Beloin-Saint-Pierre D, Hirschier R, Pelin M, Carniel FC, Tretiach M, Cesca F, Benfenati F, Scaini D, Ballerini L, Kostarelos K, Prato M, Bianco A, (2018) Disentangling structure-activity relationships for graphene-based materials ACS Nano 12 (11) 10582-10620

95) Drasler B, Kucki M, Delhaes F, Bürki-Thurnherr T, Vanhecke D, Korejwo D, Petri-Fink Alke, Rothen-Rutishauser B, **Wick P**, (2018) Single exposure to aerosolized graphene oxide and graphene nanoplatelets did not inititate an acute biological response in a 3D human lung model Carbon 137, 125-135

94) Notter T, Aengenheister L, Welber-Stadlbauer U, Naegeli H, **Wick P**, Meyer U, Buerki-Thurnherr B, (2018) Prenatal exposure to TiO_2 nanoparticles in mice cause behavioral deficits relevant for autism spectrum disorder, Translational Psychiatry 8(1)193

93) Beyeler S, Chortarea S, Rothen-Ruthishauser B, Petri-Fink A, **Wick P**, Tschanz SA, von Garnier C, Blank F (2018) Acute effects of multi-walled carbon nanotubes on primary bronchial epithelial cells from COPD patients, Nanotoxicol 12(7)699-711

92) Bürki-Thurnherr T, Schäpper K, Aengenheister L, **Wick P**, (2018) Developmental toxicity of nanomaterials: Need for a better understanding of indirect effects, Chem Res Toxicol 31(8)641-642

91) Kucki M, Aengenheister L, Diener L Rippl AV, Vranic S, Newman L, Vazquez E, Kostarelos K, **Wick P**, Buerki-Thurnherr T (2018) Impact of graphene oxide on human placental trophoblast viability, functionality and barrier integrity 2D Materials 5(3):035014

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21) Muoth C, Aengenheister L, Grossgarten M, Karst U, Manser P, Diener L, Kucki M, Wichser A, Jochum W, **Wick P**, Bürki-Thurnherr T, (2017) Steering nanoparticles-placenta interactions: impact of particle properties and functionalization on placental uptake, penetration and biological effects, Placenta 57, 231-2

20) Clift MJD, Schins RPF, Poland CA, Endes C, Duffin R, **Wick P**, Petri-Fink A and Rothen-Rutishauser B (2015) Determination of advanced in vitro systems as valid, alternative test models to assess the potential genotoxicity of carbon nanotubes (submitted)

19) **Wick P**, Grafmüller S, Bürki-Thurnherr T, von Mandach U (2013) Knocking at the door of the unborn child: Issues in developmental and placental nanotoxicology, and directions for future research Repro Toxicol 41:41-20

18) Clift MJD, Endes C, Vanhecke D, **Wick P**, Gehr P, Schins RPF, Petri-Fink A, Rothen-Rutishauser B (2013) Efficiency and efficacy of using sophisticated 3D in vitro system of the human epithelial airway barrier to gain insight into the hazard posed by nanomaterials. Toxicol Lett 221S;S146-S147

17) Kaiser JP, Diner L, **Wick P** (2013) Nanoparticles in paints: A new strategy to protect facade and surface? Conference Series J of Physics 429(1) article number 012036

16) Hirsch C, Kaiser JP, Wessling F, Fischer K, Roesslein M, **Wick P**, Krug HF, (2011) A novel comprehensive evaluation platform to assess nanoparticle toxicity in vitro, Proceeding, Nanosafe Meeting Grenoble FR J Phys Conference series Vol 304:1:012053

15) Lischer S, Kröner E, Balazs DJ, Shen D, **Wick P**, Grieder K, Haas D, Heuberger M, Hegemann D (2010) Ag-containing plasma polymer coatings with antibacterial and cytocompatible properties, European Cells and Material Vol 20 Suppl 3;23

14) Kaiser JP, Mäder-Althaus X, Krug HF, **Wick P** (2010) Single walled carbon nanotubes affect cell physiology of epithelial cells, European Cells and Materials Vol 20 Suppl 3:24

13) Hirsch C, Wessling F, Fischer K, rösslein M, **Wick P**, Hofmann H, Krug HF (2010) A novel comprehensive evaluation platform to assess nanoparticle toxicity in vitro, European Cells and Materials Vol 20 Suppl 3:112

12) **Wick P**, Malek A, Diener PA, Zisch A, Krug HF, von Mandach U (2010) Human placenta: An efficient barrier for nanomaterials? European Cells and Material Vol 20 Suppl 3;270

11) **Wick P** (2009) Nano Textiles: a hazard free opportunity? Proceeding, International Conference on Latest Advances in High-Tech Textiles and Textile-Based Materials

10) Maniratanachote R, Thurnherr T, **Wick P**, Krug HF (2009) Effects of Multiwalled Carbon Nanotubes on Human B Lymphocytes. Drug Meta Rev 41:94-95 Suppl. 2

9) Hirsch C, Belyanskaya L, Weigel S, Tobler U, Krug HF, **Wick P** (2009) Effects of single-walled carbon nanotubes on mixed neuro-glial cultures from chicken spinal cord and dorsal root ganglia. J Neurochem 110:74-75 Suppl. 1

8) Malek A, **Wick P**, Manser P, Meili D, Maeder-Althaus X, Diener L, Diener PA, Zisch A, Krug HF, von Mandach U (2008) Placenta perfusion system: A human ex vivo model system to study the maternal-fetal barrier capacity for nanosized materials. Placenta 29(8) A67

7) Krug HF, Pulskamp K, Wörle-Knirsch JM, **Wick P** (2008) In vitro assessment of nanomaterial toxicity: Need for better characterization of materials and methods. 15 pp, Monte Verità, Switzerland

6) Balazs D, Shen D, Lischer S, Grieder K, Fortunato G, Hossain MM, Korner E, **Wick P**, Haas D, Heuberger M (2008) Multifunctional nanocomposite plasma coatings: Enabling new biomaterials applications. Materials Research Society Symposium Proceedings 1056, pp. 46-47

5) **Wick P**, Kaiser JP, Manser P, Spohn P, Bruinink A (2007) The presence of carbon nanotubes affect cell physiology and interferes with cell adhesion. Proceedings Viennano 07 ISBN 978-3-901657-25-1, 119-124

4) **Wick P**, Malek A, Manser P, Meili D, Maeder-Althaus X, Diener L, Diener PA, Zisch A, Krug HF, von Mandach U (2008) Placenta perfusion system: A human ex vivo model system to study the maternal - Fetal barrier capacity for nanosized materials. Placenta 29 (8):A67-A67

3) Maniura K, **Wick P**, Kaiser JP, Baumgartner F, Ackerknecht S, Bruinink A (2006) Influence of surface topography and mechanical stimulation on cell architecture and osteogenic differentiation of human bone-related cells. Cytotherapy 8: 44-44 P-32 Suppl. 2

2) Maniura K, Baumgartner F, **Wick P**, Bruinink A (2005) The level of adipogenesis occurring during osteoblast differentiation of human bone marrow cells can be controlled by cultivation protocols. Bone 36, Supplement 2 p295

1) Hälg M, **Wick P**, Tobler U, Schug J, Bruinink A (2003) Effect of culture conditions on human bone (marrow) cell performance European Cells and Materials Vol5, Suppl Issue1:31

Invited talks:

2022	KEC Conference (joint session Gov4Nano – Refine) virtual
	Quadrimed Congress, Crans Montana, CH
	Nanoweek Conference, Cyprus, GR
	13th CLINAM European and Global summit for Nanomedicine virtual
2021	Particles & Health Conference London, GB
	2DMAT Conference, Paris F
	ETHZ IFNH Seminar, Zurich CH
	Filterakademie Workshop, Zug CH
	Gesundheitsforum St. Gallen, St. Gallen, CH
	Restart – von der Krise zur Chance, Berlin, D
2020	Behördendialog Vaduz, FL
	Seminar AMI Fribourg, CH
2019	131th Conference Scientific Federation, Carbon nanotubes and Graphene Technologies, Milan, I
	Swissmaterials day, Schaffhausen, CH
	EUFEPS Annual Meeting, Frankfurt, D
2018	Sommerschol Djion, F
	Swissnanoconvention, Zurich, CH
	ACS Annual Meeting New Orleans, US
2017	Swiss Nanoconnvention, Fribourg CH
	NanoBioMed Krems, AT
	Cambridge Graphene Center, Cambridge; UK
	NMSA, Malaga, ES
	Final Meeting NanoReg I, Berne, CH
2016	Workshop: Implications of nanomedicine for pharmacists, Amsterdam, NL
	I-net Basel Nanomedicine, Basel, CH
	AMAES Summerschool, Colone, Germany
	9th European Technology Platform Nanomedicine, Heraklion, GR
	8th International Nanotoxicology Congress, Bosten, USA
	CCMX Annual Meeting, Berne, CH
	4DLifeTech Shareholder Event, Solothurn, CH
	Opening Symposium of the Center for Translational Nanomedicine, Mainz, DE
	Nanotoxikologie – Sicherheitsforschung für die Biomedizin und Auswirkungen auf die Umwelt, Erlangen, DE
	Begleitgruppensitzung Aktionsplan synthetische Nanomaterialien, Berne, CH
2015	European Nanomedicine Meeting, SFNano conference, Grenoble, F
	EUSAAT workshop, Linz, AT
	EUFEPS Workshop, Geneva, CH
	8th CLINAM the European Summit for Clinical Nanomedicine and targeted medicine, Basel, CH
	5th Zing Bionanometerials Conference, Carvoeiro, P
	NanoVision 2015, Science-Industry-Symposium, Stuttgart, DE
2014	8th Aachen-Dresden International Textile Conference, Dresden, DE
	Swiss Society of Toxicology Meeting, Basel, CH
	Green Toxicology, Dübendorf, CH
	7th CLINAM the European Summit for Clinical Nanomedicine and targeted medicine, Basel, CH
	NanoExpo SNSF NFP64, St. Gallen, CH
	7th International Nanotoxicology Congress Antalya, TR
	CECAM workshop ,1072 Two-dimential inorganic materials (2DIM)
	EU FP7 Consortium Quasinano, EPF Lausanne, CH
	Oekotox Dübendorf, CH
2013	Current Challenges Facing Inorganic Nanoparticles in Medicine and Industry, CCMX & NanoDiaRA Workshop, Berne, CH

	INNOBITE's 1st Workshop Biorefinery & Nanocellulose, Dübendorf, CH
	12th FELASA SECAL Congress, Barcelona, ES
	41st Conference of the European Teratology Society, Stresa, IT
	World Materials Research Institute Forum, Dübendorf, CH
	Materials Day Rostock, DE
	Annual Meeting CCMX, Bern, CH
	2nd International Fresenius Conference, Environmental Risk assessment of Biocides,
	Materials Valley, Nanopartikel – Einsatz in der Medizin, Chemie und Verfahrenstechnik Hanau DE
	Postgraduales Masterstudium Versicherungsmedizin, Adliswil, CH
	CCMX Winter School, Kandersteg, CH
2012	Swiss Biotech Roundtable Rüschlikon, CH
	Keynote:BioValley Science Day / The Toyama Symposium, Basel, CH
	Informulation 2012 Barcelona, ES
	SwissNanoconvention / NanoDiaRA, Lausanne, CH
	Seminar University of Graz (OE)
	OECD Meeting Paris, FR
	9th International Conference and Workshop on Biological Barriers – in vitro and in silico
	Tools for Drug Delivery and Nanosafety Research, Saarbrücken, DE
	Schweizerische Gesellschaft für Arbeitssicherheit SGAS, Olten, CH
	CNT Workshop, EAWAG, CH
	Gesund Wohnen Amt für Energie und Umwelt St. Gallen, St. Gallen, CH
2011	Workshop on role of proteins in nanoparticle transport across biological barriers, Dublin, IR
	Seminar Adolphe Merkle Institute Fribourg, CH
	NanotechItaly2011, Venice, IT
	Textail-Day ‚Nanotechnologie – Chance oder Risiko?' Dübendorf, CH
	LGL Kongress ‚Gesunde Umwelt – Gesunde Bevölkerung', München, DE
	Seminar National Institute for Standardization and Technology (NIST), US
2010	Seminar Universität Konstanz, DE
	OTTI Fachforum Carbon Nanotubes, Regensburg, DE
	Biotechnet Meeting, Olten, CH
	2nd International Mini-Symposium on Nanotoxicology, Stockholm, SE
	16th Rencontre Pharmapeptides 'Nanotoxicology and Drug Delivery', Archamps, FR
	BioNanoMed 2010 International Congress Nanotechnology in medicine and Biology, Krems, AT
	Seminar EAWAG, CH
	International Aerosol Conference Helsinki, FI
	3rd Nanotoxicology2010, Edinburgh, UK
	Konferenz: Nanotechnologie für Faserkunststoffverbunde DLR Braunschweig DE,
2009	Intern. Conference on Latest Advances in High-Tech Textiles and Textile-Based Materials, Ghent, BE Keynote
	Workshop zu Chancen und Risiken der Nanotechnologie, Technologie Zentrum Köthen, DE
	Technology Aperitif: Materials for the Life Sciences: Information on new Call for Collaborative Research Proposals with Industry, Fribourg, CH
	13th ETH Conference on Combustion Generated nanoparticles, Zurich, CH
	NanoBio-Europe'09 Grenoble FR, Keynote
	Assessment of the biological effects of Nanomaterials Symposium, KTH-Royal Institute of Technology Stockholm, SE
	Nanoparticles and the Gastrointestinal Tract 3th International Symposium, Düsseldorf, DE
2008	Nanorisk2008 Determining occupational, environmental and health impacts, Paris, FR
	60. Kongress der Deutschen Gesellschaft für Urologie e.V. Stuttgart, DE
	2nd International Conference Nanotoxicology Zürich, CH
	International Inhalation Symposium Hannover, DE
	NanoCoating Days European Nanotechnical Association ena, Zürich, CH
	Department of Medicine, Section of Anatomy, University of Fribourg, CH
2007	International Symposium on Nanotechnology in Environmental Protection and Pollution (ISNEPP) Fort Lauderdale Florida, US
	Werkstatt Ernährung & Gentechnologie: vom Gegeneinander zum Miteinander, Eidg. Dep. Des Innern, Bern, CH
	ESF-EMBO Symposium: Probing Interactions between nanoparticles / biomaterials and biological systems: Alternative approaches to bio- and Nano-toxicity, Spanien, ES

	Workshop ‚Eigenschaften und Verhalten von Feinstäuben und ultrafeinen Aerosolpartikel' Bozen, IT
	2nd Vienna International Conference in Mirco- and Nano-Technology, Wien, AT
2006	EuroForum: Nanotechnologie Revolution für Lebensmittel und Verpackung? Rüschlikon, CH
	International Conference on Nanoscience and Technology NANO9 meets STM'06, Basel, CH
	4th MSTI Nanotechnology and Business Congress & Exhibition: NanoTrends06 Berlin, DE
	Deutsches Bundesamt für Risikobewertung Expertengespräch, Berlin, DE
2005	NanoFood: Workshop der Innovationsgesellschaft GmbH, St. Gallen, CH
2001	3th Symposia of the Swiss Society of Phytopathology, Lausanne, CH
2000	ISPMB International Congress of Plant Molecular Biology, Quebec, CA
	BENEFRI – Meeting Fribourg, CH

Group presentations (posters):

2020	SETAC SciCon, Setac Europe 30th Annual Meeting, virtual, Belgium BE
	13th Clinam, virtual, Basel, CH
	13th European Placenta Perfusion Workshop, virtual, United Kingdom, GB
	9th NANO Conference, virtual, United States, US
2019	12th Clinam, Clinical Nanomedicine & Targeted Medicine, Basel, CH
	Eurotox 2019, Helsinki, FI
	Cancer Nanotechnology Gordon Research, Mount Snow, USA
	23rd ETH Conference on Combustion Generated Nanoparticles, Zürich, CH
	12th Ex vivo Perfusion Workshop, Nijmegen, NL
	Swiss Nanoconvention, EPFL Lausanne, Lausanne, CH
	American Institute of Chemical Engineers (AIChE) Annual Meeting 2019, Orlando, USA
2018	Swiss Nanoconvention, ETH Zürich, Zürich, CH
	Nanotoxicology 2018, Neuss, D
	BioBarriers, Saarbrücken, D
	11th Clinam, Clinical Nanomedicine & Targeted Medicine, Basel, CH
	Bioanalytical Sensors (GRS) and Bioanalytical Sensors, Newport, USA
	Gordon Research Conference GRC Personalized Medicine, Hong Kong, HK
	Biointerfaces International, Zürich, CH
2017	10th Clinam, Clinical Nanomedicine & Targeted Medicine, Basel, CH
	Society of Toxicology SOT Conference 2017, Baltimore, USA
	EuroNanoForum 2017, Valetta, MT
	Gordon Research Conference GRC on Nano-Mechanical Interfaces, Hong Kong, HK
	Swiss Society of Toxicology SST Annual Meeting, Basel, CH
	10th European Placenta Perfusion Workshop, St.Gallen, CH
2016	9th Clinam, Clinical Nanomedicine & Targeted Medicine, Basel, CH
	Biobarriers, Saarbrücken, D
	Eurotox 2016, Sevilla, E
	Nanotoxicology, Boston, USA
	Graphene 2016, Genova, IT
2015	8th CLINAM, Clinical Nanomedicine & Targeted Medicinie, Basel, CH
	CCMX Annual Meeting Bern, CH
	5th Zing Bionanomaterials Conference Carvoeiro, P
	SENN2015, International Congress on Safety of Engineered Nanoparticles and Nanotechnologies, Helsinki, FI
	NanoVision2015 Science-Industry-Symposium, Stuttgart, D
2014	Empa PhD Symposium, Dübendorf, CH
	7th CLINAM, Clinical Nanomedicine & Targeted Medicine, Basel, CH
	Graphene Week, Goteborg, SE
	World congress Prague, T
	Fibre Tox Conf Cranfield, UK
	NN2014
	Wood meetings Chiara
	7th International Nanotoxicology Congress, Antalya, TR
2013	FEBS Workshop 'Biological Surface and Interface'Sant Felu de Guixols, ES
	12th FELASA SECAL Congress, Barcelona, ES
	41st Conference of the European Teratology Society, Stresa, IT

	Swiss Nanoconvention 2013, Basel, CH
	Clinam Clinical Nanomedicine & Targeted Medicine, Basel, CH
	Systems Toxikology, Ascona, CH
	2nd QNano International Conference, Quality in nanosafety assessment – driving best practice and innovation, Prague, CZ
	10th International Particle Toxicology Conference, Düsseldorf, DE
	Eurotox Congress, Interlaken, CH
2012	CCMX 2012 Annual Meeting, Bern, CH
	Jahreskongress der Schweizerische Gesellschaft für Gynäkologie und Geburtshilfe, Interlaken, CH
	5th Annual Meeting of the Swiss Association of Perinatal Pharmacology, Zurich, CH
	Empa PhD Symposium, Dübendorf, CH
	DECHEMA Symposium 3D Cell Culture 2012, Zürich, CH
	4th NanoImpactet Integrating Conference and 1st QNano Integrating Conference, Dublin, IR
2011	PhD students' Symposium 2011, Empa St. Gallen, CH
	50th anniversary Meeting of SOT, Washington DC, US
	CCMX 2011 Annual Meeting, Bern, CH
	Swiss Society of Biomaterials annual Meeting, Yverdon les Bains, CH
	New developments in Cell-Based In-Vitro Testing & 3rd Annual Quasi-vivo User Group meeting Saarbrücken, DE
	3rd NanoImpactNet Building a bridge from NanoImpactNet to nanomedical research, Lausanne, CH
2010	Nanosafe Meeting, Grenoble, FR
	Swiss Societa of Biomaterials annual Meeting, Dübendorf, CH
	3rd Nanotoxicology2010, Edinburgh UK
	PhD students' Symposium 2010, Empa Dübendorf, CH
	3rd International NanoBio Conference, Zürich, CH
	8th International Conference and Workshops on Biological Barriers – in vitro tools, Nanotoxicology and Nanomedicine, Saarbrücken, DE
	2nd NanoImpactNet Conference for a healthy environment in a future with nanotechnology, Lausanne, CH
2009	1st NanoImpactNet Conference for a healthy environment in a future with nanotechnology, Lausanne, CH
	2nd ESF / UB European Summer School in Nanomedicine, Lissabon, PT
	PhD students' Symposium 2009, St. Gallen, CH
	13th ETH Conference on Combustion Generated nanoparticles, Zurich, CH
	18th Annual congress of the ERS Wien, AT
	Nanotoxicology: Health & Environmental Impacts Hertfordshire, UK
	17th Conference of European Society for Neurochemistry Leipzig, DE
2008	NanoSafe2008 Meeting Grenoble, FR
	NanoEurope St. Gallen, CH
	Nanotoxicology2008 Zürich, CH
	World Biomaterials Congress Amsterdam, NL
	Meeting of the European Society of Biomaterials Lausanne, CH
	14th Meeting of the International-Federation-of-Placental-Associations / 12th Meeting of the European-Placenta-Group (IFPA/EPG) Seggau, AT
	Swiss workshop on basic research in Nanoscience Davos, CH
	NanoEco Ascona, CH
	USGEB Lausanne, CH
2007	NanoEurope St. Gallen, CH
	ESF-EMBO Conference Sant Feliu de Guixols, ES
	European Cell Materials VIII Congress Davos, CH
	2nd Vienna International Conference in Mirco- and Nano-Technology
	ISNEPP Florida, US
2006	33rd European Symposium on Calcified Tissues ECTS Prague, CZ
	Annual Meeting of the European Society Biomatierals Nantes, FR
	2nd International Conference Strategies in Tissue Engineering Würzburg, DE
	International Conference on Nanoscience and Technology Basel, CH
	NanoTrends Berlin, DE
2005	EuroNanoForum Edinburgh, UK
	2nd Joint Meeting of European Calcified Tissue Society and International Bone and Mineral Society Genf, CH
	Meeting of European Society for Biomaterials Sorrento, IT

	USGEB Meeting Zürich, CH
2004	ECM V The Cell Biomaterial Reaction Joint Meeting mit SSB Davos, CH
	Joint Meeting of European Tissue Engineering Society and Tissue Engineering Society International, Lausanne, CH
	7th Interdisciplinary Essen-Symposium Biomaterials and Tissue Compatibility Essen, DE
	USGEB Meeting Fribourg, CH
2003	18th European Society for Biomaterials Meeting Stuttgart, DE
	International Symposium Interface Biology of Implants Rostock, DE
1999	USGEB Meeting Basel, CH
	International Meeting on Transport of Proteins and Membranes in Eucaryotic Cells in Göttingen, DE

Conference and workshop organization:

2021	Chair and Scientific and organization committee of the 16th annual event of ETPN and the 4th NanoMedEurope, St. Gallen, CH
2020	Scientific and organization committee CCMX Winterschool, Kandersteg, CH
2019	Chair at SwissNanoconvention 2019
	Session Chair Annual Meeting of Swiss Society of Toxicology Basel, CH
2018	Scientific board and Session Chair; 9th Intern. Nanotoxicology Conference, Neuss, DE
	Session Chair Annual Meeting of Swiss Society of Toxicology, Basel CH
2017	Scientific committee; SwissNanoconvention, Fribourg, CH
2016	Scientific committee: NanoMat2016 2D Nanomaterials, Empa, Dübendorf, CH
2013	Scientific committee; Technologie Briefing: Nanomaterialien in Fassaden-beschichtungen, Empa, Dübendorf, CH
	Scientific and organization committee;
	Current Challenges Facing Inorganic Nanoparticle in Medicine and Industry, Insel Hospital Berne, CH
	Scientific and organization committee:
	In vitro Barrier Models: How Reliable and Clinically Relevant are these Systems? Empa, St. Gallen, CH
2012	Scientific committee and Session Chair; NanoFormulation, Barcelona ES
	Scientific committee and Session Chair
	NanoImpactNet QNano Joined Conference 'From theory to practice – development, training and enabling nanosafety and health research'
2011	Scientific committee; 3rd NanoImpactNet Conference 'Building a bridge from NanoImpactNet to nanomedical research', Lausanne, CH
2009	Scientific committee; 1st NanoImpactNet Conference for a healthy environment in a future with nanotechnology, Lausanne, CH
2008	Scientific committee; NanoRisk2008 Determining occupational, environmental and health impacts, Paris, F
2008	Organization committee; 2nd International Nanotoxicology Conference, Zürich, CH

Teaching activities:

since 2018	MS	Lecturer D-HEST, ETHZ, 'Nanostructured Material Safety' and 'Nanomaterials for Health'
2013 - 2020	MS	Lecturer D-BAUG, ETHZ, Air Quality and Human Health
2010 - 2013	Open	Lecturer University of Berne, Climate, Environment and Human Health
2009 - 2013	BS	Lecturer University of Applied Science Winterthur, Biomaterials
2009 - 2013	MS	Lecturer University of Applied Science Vorarlberg, Micro- and Nanotechnology
2007		Lecturer D-HEST, ETHZ /replacement for K. Maniura, Biomaterials

Mentoring since 2010:

The current group consists of three scientific group leaders (where one is a non-tenured Assistant Prof), five senior researchers, five PostDocs, three scientists MSc, 13 PhD's, two technicians and an administrative assistance. During the semester, the leading team supervised several masters and bachelors students in their work on a research project.

Group leaders

since 2012 Dr. Tina Bürki-Thurnherr
since 2015 Prof. Inge Herrmann (D-MAVT, ETHZ)
since 2019 Dr. Marija Buljan

Senior - scientists

since 2010 Dr. Matthias Rösslein
since 2017 Dr. Alexander Gogos
since 2021 Dr. Vanesa Ayala
since 2022 Dr. Giacomo Reina

2020 - 2022 Dr. Savvina Chortarea (CSL Behring)
2017 – 2021 Dr. Cordula Hirsch (Science Communication)
2007 – 2012 Dr. Tina Bürki-Thurnherr (group leader)
2010 – 2019 Dr. Jean-Pierre Kaiser (retired)
2013 – 2015 Dr. Anna Louw-Gaume (scientist at PSI)
2016 – 2018 Dr. Juan Carlos Cassano (scientist KSSG)

PostDoc's

since 2021 Dr. Vera Kissling
since 2022 Dr. Govind Gupta

2018 - 2023 Dr. Fabian Starsich
2019 - 2022 Dr. Elena Tsolaki
2020 - 2022 Dr. Alice Balfourier (Teaching Professor CNRS)
2022 - 2022 Dr. Chrysovalanto Louka (regulatory office in UK)
2018 – 2021 Dr. Leonie Aengenheister (Scientist)
2017 – 2020 Dr. Niusha Nikravesh (bioengineer upstream scientist, Mosa Meat B.V.)
2018 – 2020 Dr. Ana Milosevic (consultant for regulatory affairs)
2018 – 2020 Dr. Jian-Hao Li (employer at Taiwan State)
2015 – 2018 Dr. Nils Bohmer (scientist at Dechema)
2013 – 2018 Dr. Melanie Kucki (consultant for regulatory affairs)
2011 – 2014 Dr. Magda Obarzanek-Fojt (scientist Novartis)

Scientists MSc

Since 2023 Sina Ruhstaller
Since 2023 Stephanie Eitner

2021 - 2022 Philipp Meier (PhD TU Berlin)
2021 - 2022 Tobias Hoch (PhD at UZH)
2020 - 2022 Pietro Clement (Travel and tour guide Himalaya

Supervision of young researchers (PhD)

Since 2024 Haihan Chen (Empa)
Since 2023 Ziting Wang (Empa)
Since 2023 Su Liu (Empa & Prof S. Sturla D-HEST, EETHZ)
Since 2023 Selina Camenisch (Empa & Prof S. Sturla D-HEST, ETHZ)
Since 2022 Philip Meier (Empa & Prof P. Neubauer TU-Berlin)
Since 2022 Jimeng Wu (Empa & Prof B. Nowack D-USYS, ETHZ
Since 2021 Leonard Krupnik (Empa & Prof A. Neels Empa & Uni Fribourg)
2020 - 2023 Anna Lena Neuer (Empa & Prof I. Herrmann D-MAVT, ETHZ)
2018 - 2022 Daina Romeo (Empa & Prof B. Nowack D-USYS, ETHZ) (LCA Office, industry)
2018 - 2022 Lea Furer (Empa & Prof S. Schürle, D-HEST, ETHZ) (PostDoc, Trondheim)
2018 - *2022* Subas Scheibler (Empa & Prof IK Herrmann, D-MAVT, ETHZ)
2017 - 2021 Neda Iranpour Anaraki (Empa & Prof A. Neels, Uni Fribourg)(Family time)
2017 - 2021 Daria Korejwo (Empa & Prof B. Rothen-Rutishauser, AMI Uni Fribourg) (Family time)
2017 - 2021 Woranan Nethueakul (Empa & Prof J. Wang D-BAUG, ETHZ) (PostDoc Nanotech Thai)
2016 - 2019 Claudia Hempt (Empa & Prof S. Sturla D-HEST, ETHZ) (Scientist Evonik)
2015 - 2018 Sarah May (Empa & Prof A. Bürkle, Uni Konstanz D) (Family time)
2014 - 2018 Leonie Aengenheister (Empa & Prof S. Sturla, D-HEST, ETHZ) (Post Doc Empa)
2012 - 2016 Carina Muoth (Empa & Prof HP Nägeli, USZ and D-HEST, ETHZ) (Biotech Company)
2012 - 2016 Chiara Civardi (Empa & Prof I. Burgert D-BAUG, ETHZ) (Scientific writer)
2011 - 2014 Stefanie Grafmüller (Empa & Prof B. Rothen-Rutishauser, Uni Bern) (QM Novartis)
2008 - 2012 Michael Gasser (Empa & Prof P. Gehr Institute for Anatomy, Uni Bern) (Quality time)

As external expert:

2023 Claudio Alter (Prof J. Huwyler, University of Basel)
2023 Cinthia Marques (Prof G. Borchard, University of Geneva)
2022 Anh Tran-Ly (Prof I. Burgert, ETHZ D-BAUG)
2021 Tobias Hammer (Prof J. Wang ETHZ D- BAUG)
2015 Lukas Schlagenhauf (Prof J. Wang ETHZ D-BAUG)
2013 Usawadee Sakulkhu (Prof H. Hofmann, EPFL)
2012 David Raemy (Prof B. Rothen-Rutishauser AMI University of Fribourg)
2012 Lenke Horvath (Prof L. Forro, EPFL)
2012 Lukas Richter (PD P. Ertl University Wien, AIT)

Technicians

since 2021 Sarah Böntges
since 2019 Yvette Hannig
since 2018 Alexandra Rippl

2010 – 2020 Liliane Diener (retired)
2010 – 2019 Pius Manser (retired)
2010 – 2017 Xenia Mäder-Althaus (Biotech company)

Administrative Assistant

since 2013 Kyrena Schäpper

MS students

2022 Lisa Mathews (university of Geneva)
Burlachenk Kateryna (University of Kiew)
2021 Alexandre Jessernig (D-MAVT, ETHZ)
Xia Feifei (University of Zurich)
2020 Eric Rüttimann (D-MAVT, ETHZ)
Benoit Hohl (EPFL)
Angela Diaz (Universidad de Castilla- La Mancha)
Emile Bourban (EPFL)
2019 Meagan Doppegieter (Universität Amsterdam)
Ogul Can Kuru (Politecnico di Milano)
Xueqian Hu (Uni Darmstadt)
2018 Lea Furer (D-HEST, ETHZ)

	Leonida Maliqi (Uni Genf)
	Saranya Muthusamy (TU Dresden)
	Pauline Franz (Uni Konstanz)
2017	Erminio Di Renzo (D_MAVT, ETHZ)
	Lukas Gerken (TU Wien)
	Bruno Hadengue (EPFL)
2016	Nino Demarmels (D-MAVT, ETHZ)
	Anna-Lena Neuer (Universität Konstanz)
	Louis Didierlaurent (Ecole Supérieure CPE Lyon)
2015	Marie Lemesle (Université de Strassbourg, France)
2009	Christoph Wettstein (Karlsruhe Institute of Technology KIT)

BS students

2021	Maren Gerdes (D-MAVT, ETHZ)
	Arzu Ayyildiz (University of Zurich)
2020	Juri Nowak (D-HEST, ETHZ)
	Thu Hien Le (LMU München)
2019	Eric Rüttimann (ETHZ)
	Lea Pompizii (ETHZ)
2018	Henry Korhonen (ETHZ)
	Roman Krummenacher (ETHZ)
2013	Miriam Jordi (University of applied science Nordwestschweiz)
2012	Carina Mouth (D-HEST, ETHZ)

Synergistic activities:

2	
023	Guest Editor NanoImpact 2D Material Safety Special Issue
2021	Appointments committee for Assistant Prof University of Basel, Institute of Pharmaceutical Science
2020	Co-Guest Editor Frontier Bioengineering and Biotechnology Special Issue
since 2019	Member of EDQM working party Non-Biological Complexes (NBC)
since 2017	Member of Accompanying working group Vifor Pharma
since 2015	Associated Editor NanoImpact journal
2013	Co-Guest Editor of BioNanoMaterial Special Issue NANOSAFETY – Progress in (eco)toxicology, understanding of mechanisms of action and risk assessment towards a reliable and sustainable use of nanotechnology
since 2011	Editorial Board Member Nanotoxicology journal
2009 - 2020	Member of the accompanying group of the Swiss Action plan for Synthetic Nanomaterials
since 2008	Member of the supporting group of the Swiss Precautionary Matrix for Synthetic Nanomaterials

Memberships

since 2019	American Society of Chemistry
since 2017	BioNanoNet
since 2016	European Technology Platform Nanomedicine
since 2008	International Society for Aerosols in Medicine ISAM
since 2006	Swiss Society of Biomaterials and Regenerative Medicine
since 2000	Life Sciences Switzerland – LS2

Reviewer of peer-reviewed journals:

ACS Nano	Environmental Health Perspective	Journal of Physical Chemistry
Angewandte Chemie	Environmental Pollution	Journal of Hazardous Materials
Biomaterials	Environmental Science and Technology	NanoImpact
BioNanomaterials	Journal of Nanoparticle Research	NanoLetters
Carbon		Nature Nanotechnology
Chemical Research in Toxicology		

Nanomedicine
Nanotoxicology
Neuroscience Research
Particle & Fibre Toxicology
Toxicological Science
Toxicology
Toxicology and Applied Pharmacology
Toxicology in vitro
Toxicology Letters

Swiss Military Service:
2007 - 2013 Reservist
2001 - 2007 NBC Adviser, Captain
1992 - 1993 Officer training