

Monday, September 2 nd Main Symposium (Congress language English)	
09:00 – 12:00	Sitzung des VdPPHI (HS West) Chair: B. Clement
13:00 – 13:45	Opening of the Annual DPhG Meeting 2019 (Großer HS) Pharmaceutical research: From basic research to medical applications
13:45 – 14:30	Plenary lecture 1, G. Borchard, <i>Critical quality attributes of nanomedicines: What matters and why?</i> (Großer HS) PL.1
14:30 – 15:00	Coffee break

SHORT TALKS (parallel sessions I)

15:00 – 16:30	SL1 (Großer HS)	SL2 (HS West)	SL3 (HS Ost)
	New Research, New Researchers I Chair: S. Laufer	Ion channels as drug targets Chairs: P. Ruth, M. Freichel	Fachsymposium Dermatopharmakologie: "Predictivity of in vitro tests in pharmacology and toxicology" Chairs: G. Weindl, J. Klein
	15:00 SL.01 K. Nakayama: <i>Molecular basis for protein trafficking within cilia and ciliopathies revealed by the visible immunoprecipitation (VIP) assay and CRISPR/Cas9 system</i>	15:00 SL.05 A. Guse: <i>NAADP: a fundamental modulator of Ca²⁺ release channels in Lymphocytes</i>	15:00 SL.09 M. Schäfer-Korting: <i>Reconstructed human skin can predict the efficacy and safety of drugs in humans</i>
	15:30 SL.02 R. Wombacher: <i>Protein Labelling and Manipulation in Living Cells Using Bioorthogonal Chemistry</i>	15:30 SL.06 Y-K. Chao: <i>Agonist-Dependent switching of Ion selectivity in endolysosomal TPC2 channel</i>	15:30 SL.10 R. Landsiedel: <i>Adverse outcome pathway-based concepts and tools for assessing skin sensitization</i>
	15:50 SL.03 A. S. Kahnt: <i>Supporting resolution? Biosynthesis of specialized pro-resolving mediators (SPM) in human leukocytes</i>	16:00 SL.07 V. Tsvilovskyy: <i>Identification of OCaR1 as a gatekeeper of lysosomal-granular Ca²⁺ release and regulated exocytosis</i>	16:00 SL.11 G. Weindl: <i>Reconstructed tissue models with integrated immune cells – Do we need advanced in vitro tests for the evaluation of drugs and chemicals?</i>
	16:10 SL.04 M. Koziolk: <i>The application of salivary caffeine concentrations to study gastric emptying of fluids and formulations in humans</i>	16:15 SL.08 J. Camacho-Londono: <i>Determination of fatal ventricular arrhythmias by a new regulator of Ca²⁺ signaling at the lysosomal-SR junction</i>	16:15 SL.12 C. Zoschke: <i>Human cell-based tumor microenvironment models for improved preclinical drug development</i>
16:45 – 17:30	Plenary lecture 2, R. Bartschlagler, <i>Curative therapy for chronic hepatitis C: Successes and remaining challenges</i> (Großer HS) PL.2		

17:30 – 18:45	Meetings der DPhG-Fachgruppen					
	Fachgruppe Pharm./Med. Chemie P. Gmeiner (Großer HS)	Fachgruppe Pharm. Biologie A. Vollmar (HS Ost)	Fachgruppe Pharmakologie J. Klein (HS West)	Fachgruppe Pharm. Technologie D. Fischer (Gebäude INF 327, Seminarraum 3, EG)	Fachgruppe Klinische Pharmazie T. Lehr (HS Med. Klinik, INF 410)	Fachgruppe Industrie-pharmazie (Gebäude INF 327, Seminarraum 4, EG)
	AG Radiopharmazie, Dr. PD Reischl (Gebäude INF 327, Seminarraum 1, EG)					
19:00 – 21:30	Poster Session I (19.30 – 20.30 h) and Welcome Reception					

Tuesday, September 3rd

SHORT TALKS (parallel sessions II)

	SL4 (Großer HS)	SL5 (HS West)	SL6 (HS Ost)
08:30 – 10:00	Cysteine-reactive inhibitors and probes Chair: T. Schirmeister	Dysfunctional Cellular Signaling in Cardiovascular Diseases Chairs: T. Wieland, R. Gilsbach	Biopharmacy, Pharmaceutical Technology Chair: G. Fricker
	08:30 SL.13 P. Czodrowski: <i>Cysteine, pKa, covalent attack: any correlation?</i>	08:30 SL.16 K. Lorenz: <i>Selective inhibition of nuclear ERK1/2 functions – two quite distinct implications: cardiac hypertrophy and cancer?</i>	08:30 SL.19 E. Wagner: <i>Molecular Therapeutics from DNA to Cas9/sgRNA: Chemical Evolution of Nanocarriers</i>
	09:00 SL.14 M. Gütschow: <i>Novel Cathepsin B Inhibitors with Inversely Oriented Warheads</i>	09:00 SL.17 R. Gilsbach: <i>Identification and modulation of chromatin interactions in cardiac myocytes</i>	09:00 SL.20 Y. Takakura: <i>Development of exosome-based nucleic acid drug delivery system</i>
	09:30 SL.15 M. Gehringer: <i>Covalent Kinase Inhibition by Reversible and Irreversible Cysteine Targeting</i>	09:30 SL.18 V. Nikolaev: <i>Altered cyclic nucleotide microdomains in cardiac disease</i>	09:30 SL.21 U. Lächelt: <i>Metal-Organic Nanopharmaceuticals</i>
			09:45 SL.22 C. Wölk: <i>Development of lipoplex-loaded model surface coatings for the in situ transfection in the field of bone regeneration</i>
10:00 – 10:15	Coffee break		

SHORT TALKS (parallel sessions III)

10:15 – 11:45	SL7 (Großer HS)	SL8 (HS West)	SL9 (HS Ost)
	Gold! Hunting treasures in chemistry and pharmacology Chair: C. Klein	Evidence-based value added to innovative health care by pharmacists Chairs: H. Seidling, U. Jaehde	Simulation in Pharmaceutical and Formulation Development Chairs: D. Fischer, P. Langguth
10:15	SL.23 S. Hashmi: <i>Gold Catalysis: Functionalized Gold Carbenes, Unexpected Selectivities</i>	10:15 SL.26 T. Dreischulte: <i>Evidence-based value added to innovative health care by pharmacists: Ambulatory care</i>	10:15 SL.29 H. Wachtel: <i>Simulations in pharmaceutical technology</i>
10:45	SL.24 I. Ott: <i>Gold Organometallics in Medicinal Chemistry</i>	10:45 SL.27 T. Hoppe-Tichy: <i>Evidence-based value added to innovative health care by pharmacists - Hospital Setting</i>	10:45 SL.30 M. A. Nguyen: <i>Pharmacokinetic Modelling and Simulation to Support Early Clinical Drug Development</i>
11:15	SL.25 A. Miller & N. Gunkel: <i>Homoleptic gold dithiocarbamate TXNRD1 inhibitors prevent tumor recurrence in a small cell lung cancer mouse model</i>	11:15 SL.28 U. Jaehde: <i>Evidence-based value added to innovative health care by pharmacists: Long-term care facilities</i>	11:15 SL.31 A. N. Ciciliani: <i>Simulation of pulmonary deposition during inhalation therapy</i>
			11:30 SL.32 G. Fuhrmann: <i>Exosome-Hydrogels as Machinery for Anti-Inflammatory Therapeutics' Synthesis</i>
11:45 – 12:45	Poster Short Talks (Großer HS) Chairs: D. Fischer, P. Ruth, S. Wölfl		
11:45	PST.01 K. Mäder: <i>Intracochlear PLGA based implants for dexamethasone release: challenges and solutions</i>	12:14 PST.11 M. Felix: <i>Proteomic Exploration of IDH-Mutant Brain Tumors</i>	
11:48	PST.02 F. Mitrach: <i>Stabilization of Calcium Phosphate nanoparticles as carrier system for siRNA</i>	12:17 PST.12 J. Seeger: <i>Determinants of growth-kill behaviour of fluoroquinolone resistant Escherichia coli under levofloxacin exposure in a dynamic in vitro infection model</i>	
11:51	PST.03 D. Lunter: <i>Optimization of thermogelling emulsions with enhanced substantivity for use in treatment of chronic skin diseases</i>	12:20 PST.13 A. Müller-Schöll: <i>Computational treatment simulation to assess the risk for non-efficacy in tamoxifen treated breast cancer patients of different ethnicities</i>	
11:54	PST.04 P. Uhl: <i>Cell penetrating liposomes enable the oral delivery of peptide drugs</i>	12:23 PST.14 X. Cheng: <i>Triple-color reporter system to follow up directed differentiation of iPSC towards the three germ layers</i>	

11:57 L. Ilia: <i>Identification and quantification of microdialysis variability using a dynamic in vitro microdialysis system and nonlinear mixed-effects modelling</i>	PST.05	12:26 G. Treccani: <i>Ketamine promotes early changes in dendritic morphology in the hippocampus of a genetic rat model displaying depressive-like behaviour</i>	PST.15
12:00 Y-M. Pudritz: <i>Pharmacology meets (clinical) pharmacy – virtual patients for pharmacy students</i>	PST.06	12:29 R. Bilancia: <i>Sex dimorphism in rat platelet aggregation</i>	PST.16
12:03 S. Schwarthoff: <i>Addressing targets relevant in neurodegenerative disorders: synthesis and biological activity of multifunctional heterobivalent carboline derivatives</i>	PST.07	12:32 N. Wössner: <i>Thiocyanates as a new class of selective Sirt1 inhibitors</i>	PST.17
12:06 M. Borchers: <i>“Gender Medicine” in the 18th century?! Pharmacotherapy in the hessian hospital Merxhausen</i>	PST.08	12:35 B. Praefke: <i>Small molecules as MKK4 inhibitors for the regeneration of hepatocytes</i>	PST.18
12:09 S. Heuter: <i>Platelets induce a chemoresistance of tumor cells by upregulating drug efflux transporters</i>	PST.09	12:38 S. Andreev: <i>From JAK to GSK-3β: Synthesis and Biological Evaluation of 7-Chloro-9H-Pyrimido[4,5-b]indoles as Inhibitors of Glycogen Synthase Kinase-3β</i>	PST.19
12:11 F. Almouhanna: <i>Glycolytic Flux and p53 status influence Growth Inhibition in response to the G6PD Inhibitor DHEA in Colorectal Cancer Cells</i>	PST.10	12:41 J. Hofmann: <i>Bioisosteres of the Natural Product Taxifolin and their Impact on Amyloid-β 42 Aggregation and Intracellular Oxidative Stress</i>	PST.20
12:45 – 13:45	Lunch break Workshop PubPharm - Tools für die pharmaziespezifische Recherche, C. Draheim (HS West)		
13:45 – 14:30	Plenary lecture 3, W. Haefeli, Achievements, persisting challenges and unmet needs in medication safety (Großer HS) PL.3		

SHORT TALKS (parallel sessions IV)

14:30 – 16:00	SL10 (Großer HS)	SL11 (HS West)	SL12 (HS Ost)
	G-Protein-coupled Receptors Chairs: P. Gmeiner, B. Wünsch	Radiopharmacy & Labeling Chairs: W. Mier	Proteomics in Medicine and Pharmacy Chair: A. Sinz
	14:30 M. Bünemann: <i>Dynamics of GPCR - G protein interactions as the key to understand coupling selectivity of GPCRs</i>	SL.33 14:30 T. Ross: <i>Visualisation of cardiac fibrosis using [68Ga]MHLL1 – A PET tracer for the fibroblast activation protein</i>	SL.37 14:30 M. Bantscheff: <i>Drug effects on protein homeostasis</i>
			SL.41

	14:50 D. Weikert: <i>Bivalent ligands targeting heterodimers of dopamine receptors</i>	SL.34	15:00 G. Reischl: <i>Development and validation of 2-nitroimidazole-furanoside based fluorine-18 labeled PET-radiopharmaceuticals for the in-vivo detection of hypoxic tissue in tumors</i>	SL.38	15:00 K. Marcus: <i>Laser Capture Microdissection/Mass spectrometry- a promising tool in tissue-based clinical proteomics</i>	SL.42
	15:15 M. Decker: <i>Photopharmacology in Alzheimer research: Tools to investigate GPCRs</i>	SL.35	15:20 M. Keller: <i>Functionalized Nω-carbamoylated arginines give access to labeled peptide receptor ligands</i>	SL.39	15:30 A. Maurer: <i>GMP Radiolabeling and First-in-Man Imaging of an Antibody for the Diagnosis of Aspergillosis</i>	SL.43
	15:35 G. Wolber: <i>In Silico Pharmacology: A Mechanistic View on GPCR Modulation</i>	SL.36	15:40 O. Prante: <i>Radioynthesis, in-vitro and in-vivo studies of ¹⁷⁷Lu-labeled neurotensin receptor-1 antagonists as radiotracers for the therapy of pancreatic cancer</i>	SL.40	15:45 M. Ardel: <i>Inhibition of Cdk5 – A New Way to Improve the Standard Therapy of Hepatocellular Carcinoma</i>	SL.44
16:00 – 16:30	Poster Session II and Coffee Break					
16:30 – 17:15	Plenary lecture 4, S. Knapp, <i>Strategies for selective targeting of protein kinases</i> (Großer HS) PL.4					
17:30 – 19:00	DPhG Hauptversammlung (Großer HS)					
Ab 19:30	Conference Dinner (Restaurant Schlosshotel Molkenkur, Klingenteichstraße 31, 69117 Heidelberg)					

Wednesday, September 4th

SHORT TALKS (parallel sessions V)

08:30 – 10:00	SL13 (Großer HS)	SL14 (HS West)	SL15 (HS Ost)
	Microfluidics / Cell-based assays and organoids for drug discovery Chair: S. Wöfl	New Research, New Researchers II Chairs: A. Link, F. Hansen	The promise of cure - recent breakthrough innovation in cell- and gene therapy Chair: H. Apeler
	<p>08:30 SL.45</p> <p>C. Merten: <i>Droplet Microfluidics in antibody discovery and personalized cancer therapy</i></p>	<p>08:30 SL.48</p> <p>D. Merk: <i>Direct PPARγ activation by L-thyroxin and TETRAC links thyroid hormone and PPAR signaling</i></p> <p>08:50 SL.49</p> <p>J. Gerstmeier: <i>Targeting biosynthetic networks of the proinflammatory and proresolving lipid metabolome: a promising pharmacological strategy for intervention with inflammation</i></p>	<p>08:30 SL.53</p> <p>K. Cichutek: <i>Cell and gene therapy developments: it is now or never!</i></p> <p>09:00 SL.54</p> <p>J. Stitz: <i>Hybrid retrovirus-transposon vectors</i></p>
	<p>09:10 SL.46</p> <p>S. Wöfl: <i>Analyzing toxicity and metabolic interactions with microfluidic liver-kidney-on-a-chip systems</i></p>	<p>09:10 SL.50</p> <p>N. Schützenmeister: <i>Natural Products as Novel Lead Structures: Method Development and Biological Testing</i></p>	
	<p>09:35 SL.47</p> <p>X. Cheng: <i>Seeking for chemical OCT4 substitutes for the generation of human iPSCs</i></p>	<p>09:30 SL.51</p> <p>D. Kalinin: <i>Small-molecule inhibitors of human coagulation factor XIIa: synthesis and anticoagulant activity</i></p> <p>09:45 SL.52</p> <p>C. Lamers: <i>Structure-activity study and molecular insights in the mode of action of complement C3 inhibitor Cp40</i></p>	<p>09:30 SL.55</p> <p>G. Schmiedeknecht: <i>Challenges in manufacturing and Quality Control of ATMPs</i></p>
10:00 – 10:30	Poster Session II and Coffee Break		

SHORT TALKS (parallel sessions VI)

10:30 – 12:00	SL16 (Großer HS)	SL17 (HS West)	SL18 (HS Ost)
	Natural Products - From Molecular Pharmacology to Clinical Applications Chairs: M. Wink, T. Efferth	Bioanalytical Mass Spectrometry Chair: M. Lämmerhofer	Challenges and opportunities in model based dose adaptation Chairs: C. Kloft, T. Lehr
	10:30 SL.56 T. Efferth: <i>Systems biology with natural products for individualized cancer therapy</i>	10:30 SL.59 T. Alexandrov: <i>Spatial metabolomics in tissues and single cells</i>	10:30 SL.62 O. Scherf-Clavel : <i>Therapeutic drug monitoring in oncology – Case examples</i>
	11:05 SL.57 M. Wink: <i>Treatment of patients with cardiac AL amyloidosis with epigallocatechin-3-gallate (EGCG) from green tea- results of a clinical study and transcriptomics</i>	11:05 SL.60 C. Hopf: <i>MALDI Mass Spectrometry-Based Applications in Pharmacology</i>	11:00 SL.63 L. Klopp-Schulze: <i>Model-based precision dosing of tamoxifen therapy</i>
	11:40 SL.58 C. Jessen-Trefzer: <i>Targeting the mycobacterial membrane with photosensitizers</i>	11:40 SL.61 S. Pace: <i>Sex bias in colitis yields a protective role of specialized pro-resolving mediators in female mice</i>	11:30 SL.64 S. Wicha: <i>Methodological aspects of model-based dose adaptations</i>
12:00 – 13:00	Lunch Break		
13:00 - 13:45	Plenary lecture 5, H. zur Hausen, “Indirect“ Mode of Cancer Induction by Infections (Großer HS)		
13:45 – 14:30	Closing ceremony (Großer HS)		