

---

Annual Meeting of the German  
Pharmaceutical Society – DPhG

## **Program Overview**

Novel Therapies for  
Future Challenges

Saarbrücken, Germany

September 26 – 29, 2017

at Saarland University

[www.2017.dphg.de](http://www.2017.dphg.de)

---

# CONFERENCE PROGRAM OVERVIEW

## Pre-Meeting Program

<b>Dienstag, 26.9.2017</b>	
	<b>Bürgersymposium: Geschichte der Pharmazie in Saarbrücken</b> • Ort: Seminarraum (Raum 0.27) des Helmholtz-Instituts für Pharmazeutische Forschung Saarland (HIPS), Campus Gebäude E8.1
14.00- 14.15	<b>Begrüßung</b> , Prof. Dr. Christoph Friedrich, Marburg
14.15- 15.00	<b>Zur Entwicklung des Hochschulfaches Pharmazie an der Universität des Saarlandes</b> , Prof. Dr. Alexandra Kiemer, Saarbrücken / Prof. Dr. Dr. h. c. Hans H. Maurer, Homburg/ Saar
15.00- 15.45	<b>Zur Entwicklung des Apothekenwesens in Saarbrücken</b> , Dr. Bernhard Müller, Waldfischbach-Burgalben und Saarbrücken
15.45- 16.15	<b>Kaffeepause</b>
16.15- 17.00	<b>Zur Geschichte der Pharmazeutischen Industrie in Saarbrücken</b> , Dr. Stefanie Boman-Degen, Osnabrück
17.00- 18.00	<b>'Nun lassen sie doch ihre Spielereien mit den dünnen Schichten, Herr Stahl!' – Saarbrücken und die Chromatographie</b> , Dr. Karl Conrath, Saarbrücken

CONFERENCE PROGRAM OVERVIEW

Wednesday, 27.9.2017			
09.00 – 12.00 E2.5, lecture room III	Sitzung des VdPPHI		
Main Symposium (Congress language English)			
13.00 - 13.45 E2.2, lecture room	Opening of the Annual DPhG Meeting 2017, Award Session Novel Therapies for Future Challenges		
13.45 - 14.30 E2.2, lecture room	Gunda Georg, P.01 Discovery and evaluation of bromodomain inhibitors		
14.30 - 15.00 E2.5, foyer	Coffee break and Poster Session I		
Parallel sessions I			
15.00 - 16.30	E2.2, lecture room	E2.5, lecture room I	E2.5, lecture room II
	<b>Therapeutic potential of nucleic acids</b> Chairs: Christian Ducho, Alexandra Kiemer	<b>Natural compounds as tools and leads</b> Chair: Harald Groß	<b>Innovations in dermal delivery</b> Chairs: Dagmar Fischer, Peter Langguth
	15.00 SL.01 <b>Günter Mayer,</b> Synthetic aptamer-peptide conjugates for targeted activation of T cells	15.00 SL.05 <b>Christian Zidorn,</b> Chemosystematics and chemical ecology: important tools for the rational search for bioactive natural products	15.00 SL.09 <b>Karsten Mäder,</b> Innovations in dermal and transdermal controlled drug delivery
	15.25 SL.02 <b>Manfred Ogris,</b> Nucleic acid based therapeutics: synthetic delivery systems and in vivo bioimaging	15.30 SL.06 <b>Till F. Schäberle,</b> Corallpyronin A: A Hit, a Lead – an Antibiotic?	15.30 SL.10 <b>Gabriele Blume,</b> Stable multiple nanoemulsion (w/o/w) for dermal drug delivery – an alternative to liposomes
	15.50 SL.03 <b>Yoshinobu Nakanishi,</b> Maintenance of tissue homeostasis by apoptotic cell death	15.50 SL.07 <b>Dirk Hoffmeister,</b> Some turn yellow, some turn blue – mushrooms and their bioactive natural products	15.50 SL.11 <b>Armin Breitenbach,</b> Laser assisted dermal and transdermal delivery of macromolecules
	16.15 SL.04 <b>Christian Wölk,</b> A novel three-chain lysine-based cationic lipid – fast and efficient DNA transfer without co-lipids	16.10 SL.08 <b>Pierre Koch,</b> Synthesis of a Brasilicardin A analogue featuring a simplified core	16.10 SL.12 <b>Mark Denny,</b> Development of novel Imiquimod based freeze dried Nanoemulsion ImiSOL for transcutaneous immunization
16.45 - 17.30 E2.2, lecture room	Helge Bode, P.02 Peptides made by microbes and men		

<b>Fachgruppen-Meetings</b>					
17.30 – 18.45	E2.5, lecture room I	E2.5, lecture room III	E1.3, lecture room 001	E1.3, lecture room 002	E1.3, lecture room 003
	Fachgruppe Pharm./Med. Chemie, P. Gmeiner	Fachgruppe Pharmakologie, J. Klein	Fachgruppe Klinische Pharmazie, C. Ritter	Fachgruppe Pharm. Biologie, A. Vollmar	Fachgruppe Pharm. Technologie, P. Langguth
19.00 - 21.30 E2.5, foyer	Welcome reception and <b>Poster session I</b>				

Thursday, 28.9.2017					
Parallel sessions II					
	E2.2, lecture room	E2.5, lecture room I	E2.5, lecture room II	E2.5, lecture room III	
8.30 - 10.00	<b>Antiviral therapy</b> Chair: Christian Klein	<b>Tissue engineering</b> Chair: Torsten Blunk	<b>Translational systems pharmacology in drug development and therapeutic use</b> Chair: Charlotte Kloft, Meindert Danhof	<b>Arzneimittelkontrolle Fast in vitro/in vivo testing</b> Chairs: Hermann Wätzig, Klaus Raith	
	08.30 SL.13 <b>Arnold Grünweller,</b> A new antiviral approach: Specific inhibition of eIF4A-dependent viral mRNA translation by the natural compound Silvestrol	08.30 SL.16 <b>Michael C. Hacker,</b> Oligomer-cross-linked gelatinous peptides - a versatile hydrogel platform for tissue engineering and regenerative applications	08.30 SL.20 <b>Andreas Lindauer,</b> From Mouse to Man – Translational Modelling in Immuno-Oncology	08.30 <b>Dagmar Fischer,</b> Crack the egg - Versatile applications of a shell-less hen's egg model in pharmacy	

CONFERENCE PROGRAM OVERVIEW

	<b>09.00</b> SL.14 <b>Stephan Ludwig,</b> Repurposing of Kinase Inhibitors to Fight the Flu – MEK Inhibitors Efficiently Block Influenza Virus Replication in Mice with a Prolonged Therapeutic Window	<b>08.55</b> SL.17 <b>Maike Windbergs,</b> In vitro skin models for testing pharmaceuticals – overcoming the barriers	<b>08.55</b> SL.21 <b>Britta Göbel,</b> In-silico Clinical Trials of Prandial Insulins: The FDA Accepted Type-1 Diabetes Simulator	<b>08.55</b> <b>Georg Schumm,</b> Herausforderungen der Endotoxintestung – damals und heute
	<b>09.30</b> SL.15 <b>Walter Mier,</b> Preclinical development of Myrcludex B, a novel entry inhibitor for the treatment of HDV/HBV infections	<b>09.20</b> SL.18 <b>Katharina F. Wittmann,</b> Bioengineered tumor-stroma models to study the contextual control of tumorigenesis	<b>09.20</b> SL.22 <b>Stefanie Hennig,</b> Systems Pharmacology-based TDM: better informed clinical decision and reduced burden on patients	<b>09.20</b> <b>Alexander S. Mosig,</b> Inflammation-on-chip: Potentials of Organ-on-chip Technology in the Development of Novel Treatment Options
		<b>09.45</b> SL.19 <b>Xinlai Cheng,</b> Conversion of patient-specific fibroblasts to neurons on-chips with single natural product derivative and application for neurotoxicity evaluation of drugs	<b>09.45</b> SL.23 <b>Anya Kalayda,</b> Key players of cisplatin sensitivity: towards a systems pharmacology approach?	<b>09.45</b> <b>Joint discussion of the session topics</b>
<b>10.00 - 10.30</b> E2.5, foyer	Coffee break and <b>Poster session II</b>			
<b>10.30 - 11.45</b> E2.2, lecture room	<b>Poster short talks (Plenary)</b>			
	<b>10.30</b> Introduction to the session		<b>11.02</b> Lisa Rahnfeld	<b>PST.08</b>
	<b>10.34</b> Lukas Kröger	<b>PST.01</b>	<b>11.06</b> Anna Laura Gundler	<b>PST.09</b>
	<b>10.38</b> Iris Bischoff	<b>PST.02</b>	<b>11.10</b> Kerstin Bitter	<b>PST.10</b>
	<b>10.42</b> Anke Heinrich	<b>PST.03</b>	<b>11.14</b> Christina Lamers	<b>PST.11</b>
	<b>10.46</b> Marijana Jevtić	<b>PST.04</b>	<b>11.18</b> Rosanna Meine	<b>PST.12</b>
	<b>10.50</b> Ana Sarcevic	<b>PST.05</b>	<b>11.22</b> Florian Stumpf	<b>PST.13</b>
	<b>10.54</b> Stefanie Liening	<b>PST.06</b>	<b>11.26</b> Kyra-Alexandra Köster	<b>PST.14</b>
	<b>10.58</b> Fabiana Troisi	<b>PST.07</b>	<b>11.30</b> Pavel Balazki	<b>PST.15</b>
<b>11.45 – 13.15</b>	Lunch break			

13.15 – 14.00 E2.2, lecture room	<b>Chris Schofield, P.03</b> Roles of Oxygenases in Biosynthesis and the Regulation of Gene Expression			
	<b>Parallel sessions III</b>			
	<b>E2.2, lecture room</b>	<b>E2.5, lecture room I</b>	<b>E2.5, lecture room II</b>	<b>E2.5, lecture room III</b>
14.15 - 15.45	<b>New antibiotics</b> Chair: Rolf W. Hartmann	<b>Intracellular ion channels as drug targets</b> Chair: Veit Flockerzi	<b>Medication safety research</b> Chairs: Martin Hug, Ulrich Jaehde	<b>Arzneimittelkontrolle Clean rooms</b> Chairs: Hermann Wätzig, Klaus Raith
	<b>14.15 SL.24</b> <b>John Robinson,</b> Novel Peptidomimetic Antibiotics Targeting Essential Outer Membrane Proteins in Gram-Negative Bacteria	<b>14.15 SL.27</b> <b>Martin Biel</b> TPC, two pore channels as drug targets at the crossroads of endolysosomal trafficking and diseases	<b>14.15</b> <b>Introduction</b>	<b>14.15</b> <b>Carolin Fromm,</b> Validation of a Rapid Sterility Test
	<b>14.45 SL.25</b> <b>Armin Bauer,</b> Lead Optimization of Griselimycins for the Treatment of Tuberculosis	<b>14.40 SL.28</b> <b>Karel Talavera,</b> Gustatory-mediated avoidance of bacterial lipopolysaccharides via TRPA1 channels	<b>14.20 SL.31</b> <b>Martin Schulz,</b> Implementation of the national standardized medication plan: The PRIMA project	<b>14.50</b> <b>Maximilian Schlicht,</b> Classical Manufacturing Meets High-Throughput Analytics
	<b>15.15 SL.26</b> <b>Anna Hirsch,</b> Identification of potent inhibitors of the anti-infective target DXS using ligand-based virtual screening	<b>15.05 SL.29</b> <b>Anouar Belkacemi,</b> New function of an old protein: Cavbeta3 and intracellular signaling	<b>14.45 SL.32</b> <b>Kristina Friedland,</b> Implementation of the national standardized medication plan: The metropolmediplan2016 – mmp16 Project	<b>15.05</b> <b>Detlef Behrens,</b> Do's and Don'ts in qualification of pharmaceutical facilities
		<b>15.20 SL.30</b> <b>Marc Freichel,</b> OCaR1, a new player in endolysosomal Ca <sup>2+</sup> signaling and regulated exocytosis	<b>15.10 SL.33</b> <b>Thorsten Lehr,</b> Optimizing patient information leaflets to enhance medication safety	<b>15.30</b> <b>Joint discussion of the session topics</b>
			<b>15.35</b> <b>Closing remarks and discussion</b>	
15.45 - 16.15 E2.5, foyer	Coffee break and <b>Poster session II</b>			

CONFERENCE PROGRAM OVERVIEW

16.15 – 17.00 E2.2, lecture room	<b>Molly Stevens, P.04</b> Bio-responsive hybrid materials for regenerative medicine and biosensing
17.30 – 19.00 E2.2, lecture room	DPHG Hauptversammlung
19.30	Conference dinner (Ratskeller, Rathausplatz 1, 66111 Saarbrücken)

Friday, 29.9.2017			
Parallel sessions IV			
	E2.2, lecture room	E2.5, lecture room I	E2.5, lecture room II
8.30 - 9.45/10.00	<b>Metabolic diseases</b> Chairs: Oliver Werz, Eugen Proschak	<b>Nanomedicine</b> Chairs: Claus-Michael Lehr, Marc Schneider	<b>New research, new researchers I</b> Chair: Andreas Link
	<b>08.30 SL.34</b> <b>Alexander Pfeifer,</b> Brown adipose tissue and energy homeostasis	<b>08.30 SL.38</b> <b>Eduard Arzt,</b> Bioinspired new materials - From geckos to robotics and biomedicine	<b>08.30 SL.42</b> <b>Marcel Bermudez,</b> In-silico pharmacology: mechanistic models for the modulation of transmembrane proteins
	<b>09.00 SL.35</b> <b>Eugen Proschak,</b> Simultaneous treatment of hyperglycemia and hypertension in metabolic syndrome using a designed multitarget ligand	<b>08.55 SL.39</b> <b>Naoto Oku,</b> Application of liposomal DDS for the treatment of ischemic stroke	<b>08.45 SL.43</b> <b>Simone Braig,</b> Targeting the ER-Mitochondria Interface Sensitizes Leukemia Cells Towards Cytostatics
	<b>09.20 SL.36</b> <b>Daniel Merk,</b> A dual modulator of farnesoid X receptor and soluble epoxide hydrolase to treat non-alcoholic steatohepatitis	<b>09.20 SL.40</b> <b>Sylvia Wagner,</b> Nanoparticles for targeted brain delivery	<b>09.00 SL.44</b> <b>Sonja M. Kessler,</b> IMP2/IGF2BP2 expression predicts chemotherapy response in patient derived colorectal cancer xenograft models
	<b>09.35 SL.37</b> <b>Sandrine Marchais-Oberwinkler,</b> Structure-Based Optimization and Profiling of 17 $\beta$ -Hydroxysteroid Dehydrogenase Type 14 Inhibitors	<b>09.45 SL.41</b> <b>Anne Seidlitz,</b> In vitro dexamethasone release from intravitreal poly(D,L-lactide-co-glycolide) model implants	<b>09.15 SL.45</b> <b>Steffen Lüdeke,</b> The Role of Non-collagenous Protein Conformation in Biomineralization

CONFERENCE PROGRAM OVERVIEW

			<b>09.30 SL.46</b> <b>Nina Schützenmeister,</b> Back to the Roots and Marine Organisms – Natural Product Total Synthesis as a Tool for Drug Development	
			<b>09.45 SL.47</b> <b>Matthias Gehringer,</b> Total Synthesis, Target Elucidation and Structure–Activity Studies on Mycolactones and their Analogs	
9.45/10.00 – 10.15/10.30 E2.5, foyer	Coffee break and <b>Poster session II</b>			
	<b>Parallel sessions II</b>			
	<b>E2.2, lecture room</b>	<b>E2.5, lecture room I</b>	<b>E2.5, lecture room II</b>	<b>E2.5, lecture room III</b>
10.15/10.30 - 12.00	<b>Academic drug discovery - facts, facts or fantasy?</b> Chair: Stefan Laufer	<b>Lipidomics</b> Chairs: Oliver Werz, Michael Lämmerhofer	<b>New research, new researchers II</b> Chair: Andreas Link	<b>Arzneimittelkontrolle Bio- and bioinspired materials</b> Chairs: Hermann Wätzig, Klaus Raith
	<b>10.15</b> <b>Stefan Laufer,</b> Introduction	<b>10.30 SL.52</b> <b>Nils Helge Schebb,</b> Using targeted oxylipin metabolomics to understand a pharmacological modulation of the arachidonic acid cascade	<b>10.30 SL.57</b> <b>Gregor Fuhrmann,</b> Best before – lyophilisation as novel storage alternative for extracellular vesicles	<b>10.30</b> <b>Tessa C. Lühmann,</b> Bioinspired Drug Delivery Systems



CONFERENCE PROGRAM OVERVIEW

	<p><b>10.25 SL.48</b>  <b>Rolf Hartmann,</b>                  From endocrine regulation to bacterial quorum sensing: Contributions from academia to the discovery of drugs for the treatment of endocrine disorders and infectious diseases</p>	<p><b>10.50 SL.53</b>  <b>Andreas Köberle,</b>                  Overcoming resistance mechanisms against cytoskeleton-targeting drugs by modulating the membrane phospholipid composition</p>	<p><b>10.45 SL.58</b>  <b>Mirko Koziolk,</b>                  Exploring food-drug interactions: solubility screening of ziprasidone-HCl in biorelevant media</p>	<p><b>10.55</b>  <b>Michael Hacker,</b>                  Biomodifizierbare Makromer-basierte Biomaterialplattformen - Optionen für regenerative Therapien und analytische Herausforderungen</p>
	<p><b>11.00 SL.49</b>  <b>Christa Müller,</b>                  Neuroallianz: A New Academia-Industry Partnership Model for Promoting Innovation in Drug Discovery</p>	<p><b>11.10 SL.54</b>  <b>Michael Lämmerhofer,</b>                  Targeted and untargeted lipidomics profiling: Methods and applications</p>	<p><b>11.00 SL.59</b>  <b>Dominique Lunter,</b>                  Ex vivo skin penetration of antipruritic nonivamide from film-forming formulations and in vivo skin tolerability</p>	<p><b>11.20</b>  <b>Joint discussion of the session topics</b></p>
	<p><b>11.20 SL.50</b>  <b>Michael Parnham,</b>                  Channelling academic research into drug discovery: the Fraunhofer IME-TMP experience</p>	<p><b>11.30 SL.55</b>  <b>Ulrike Garscha,</b>                  Pharmacological profile of diflapolin, the first dual inhibitor of 5-lipoxygenase-activating protein and soluble epoxide hydrolase</p>	<p><b>11.15 SL.60</b>  <b>Matthias Schiedel,</b>                  New chemical tools for probing the NAD(+)-dependent lysine deacylase sirtuin 2</p>	
	<p><b>11.40 SL.51</b>  <b>Stefan Laufer,</b>                  TüCADD, Tübingen Center for Academic Drug Discovery</p>	<p><b>11.45 SL.56</b>  <b>Karin Bartel,</b>                  Manipulating cancer cell lipid metabolism by interfering with lysosomal function</p>	<p><b>11.30 SL.61</b>  <b>Andreas Brunschweiger,</b>                  Expanding the chemical space of genetically encoded small molecule screening libraries through a dedicated encoding strategy</p>	

CONFERENCE PROGRAM OVERVIEW

			<b>11.45 SL.62</b> <b>Simona Pace,</b> Sex differences in eicosanoid biology and consequences for the development and progression of acute inflammation and related pharmacotherapy	
<b>12.00 – 13.00</b>	Lunch break			
<b>13.00 – 13.45</b> E2.2, lecture room	<b>Meindert Danhof, P.05</b> Future Medicines for one world: systems approaches to drug discovery, development and clinical usage			
<b>13.45 – 14.30</b> E2.2, lecture room	<b>Hans Maurer, P.06</b> Love potions and witch ointments in arts, literature, and opera			
<b>14.30 – 15.15</b> E2.2, lecture room	<b>Award Session and Closing ceremony</b>			
<b>15.30 – 17.30</b> E8.1 (HIPS), Room 0.27	<b>Workshop "Modeling for Anyone" – BioSolve IT GmbH</b>			

## CONFERENCE PROGRAM OVERVIEW

### Post-Meeting Program

	Saturday, 30.9.2017
	<p><b>Tag der Offizinpharmazie</b>  <b>Arzneimitteltherapiesicherheit, Medikationsplan und Interprofessionelle Kommunikation - wo wir stehen und wohin wir gehen (sollten)</b>            Organizing Committee            Kathrin Müller, Michael Hannig, Juliane Kresser, Elmar Thome            (DPhG FG Allgemeinpharmazie und Apothekerkammer des Saarlandes)            Veranstaltungsort: Universität des Saarlandes, Günter-Hotz-Hörsaal, Gebäude E 2.2</p>
15.00 – 16.15	<p><b>Interprofessionelle Kommunikation und Arzneimitteltherapiesicherheit – oder – Wie reden Apotheke und Ärzte bei schweren Arzneimittelinteraktionen miteinander?</b>  <b>PD Dr. Guido Schmiemann</b>            Institut für Public Health und Pflegeforschung, Universität Bremen</p>
	<p><b>Arzneimitteltherapiesicherheit – Warum sie noch immer nicht den Patienten erreicht!</b>  <b>Prof. Dr. Daniel Grandt</b>            Klinik für Innere Medizin I, Klinikum Saarbrücken</p>
16.15 – 16.45	Kaffeepause
16.45 – 18.00	<p><b>Medikationsplan – wo stehen wir?</b>  <b>Dr. Hanna Seidling</b>            Klinische Pharmakologie &amp; Pharmakoepidemiologie, Universitätsklinikum Heidelberg</p>
18.00 – 18.30	<b>Panel mit den Referenten und Publikumsbeteiligung</b>
18.30	<p><b>Mitgliederversammlung der Fachgruppe Allgemeinpharmazie</b></p> <ul style="list-style-type: none"> <li>• <b>Jahresbericht und Aktivitäten der Fachgruppe Allgemeinpharmazie</b> Herr Dr. Michael Hannig</li> <li>• <b>Wahl der Fachgruppenvorsitzenden</b></li> </ul>

#### Hinweis:

Eine Anmeldung zum Tag der Offizinpharmazie ist nicht erforderlich.

Die Teilnahme ist kostenlos.

Die Veranstaltung wird mit 3 Punkten zertifiziert.

[www.dphg.de/apo17](http://www.dphg.de/apo17)