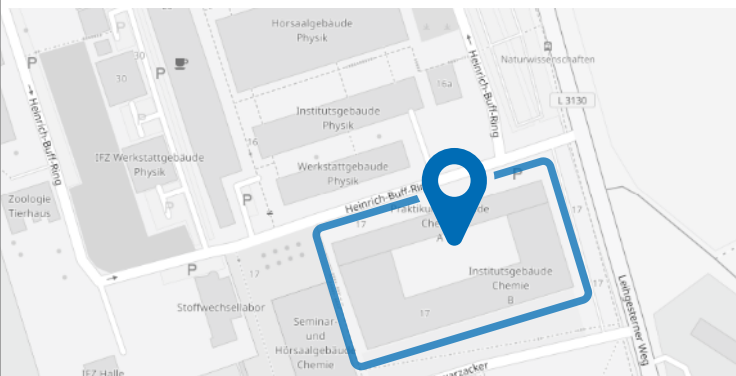


Scientific Symposium celebrating the new chemistry  
buildings of the Justus-Liebig University

## “The Future of Chemistry – Topics, Concepts, and Challenges”



### Contact

**Annekatriin Pfeiff**

Secretary Prof. Dr. Jürgen Janek  
Physikalisch-Chemisches Institut

+49(0)641-9934501

**Michaela Krekel**

Secretary Prof. Dr. Peter R. Schreiner  
Institut für Organische Chemie

+49(0)641-9934301

**April 20<sup>th</sup> and 21<sup>st</sup>, 2017**

Justus-Liebig University, Giessen  
New Chemistry Lecture Hall,  
Heinrich-Buff-Ring 19, 35392 Giessen

[www.uni-giessen.de/fbz/fb08](http://www.uni-giessen.de/fbz/fb08)

**JUSTUS-LIEBIG-**  
**UNIVERSITÄT**  
**GIESSEN**



# Program

## Thursday, April 20<sup>th</sup>, 2017

<b>10:00</b>	<b>Welcome reception</b> <i>Lobby of the Chemistry Building</i>
<b>10:30</b>	<b>Opening</b> <i>Prof. Dr. Peter R. Schreiner / Prof. Dr. Jürgen Janek</i>
<b>10:40</b>	<b>Greeting by the President of JLU</b> <i>Prof. Dr. Joybrato Mukherjee</i>
<b>10:50</b>	<b>Greeting by the Dean of the Faculty of Biology and Chemistry</b> <i>Prof. Dr. Volker Wissemann</i>
<b>11:00</b>	<b>Greeting by the President of German Chemical Society (GDCh)</b> <i>Prof. Dr. Thisbe Lindhorst</i>
<b>11:20</b>	<b>"Asymmetric Synthesis: From Giessen via Bonn to Aachen"</b> <i>Prof. Dr. Dieter Enders, RWTH Aachen</i>
<b>12:15</b>	<b>Lunch</b>
<b>13:15</b>	<b>"Nanoporous Solids in Chemistry: Past, Present and Future"</b> <i>Prof. Dr. Michael Fröba, U Hamburg</i>
<b>14:10</b>	<b>"Challenges of the Chemical Industry – Growing via Innovation"</b> <i>Dr. Martin Bruder Müller, BASF SE, Ludwigshafen</i>
<b>15:05</b>	<b>Coffee Break</b>
<b>15:30</b>	<b>"Towards Mastering Chemistry for Chemical Energy Storage"</b> <i>Prof. Dr. Yang Shao-Horn, MIT, Cambridge, USA</i>
<b>16:20</b>	<b>"The Chemistry of Food Flavors: Simply Pleasure or Beyond?"</b> <i>Prof. Dr. Peter Schieberle, TU Munich</i>
<b>17:10</b>	<b>"Protein Structural Analysis by Mass Spectrometry"</b> <i>Prof. Dr. Andrea Sinz, U Halle-Wittenberg</i>
<b>18:00</b>	<b>Dinner reception (Lobby of Chemistry Building)</b>
<b>19:30</b>	<b>After-Dinner Lecture</b> <b>"50 Years of Scientific Publishing in Chemistry 1980 – 2030"</b> <i>Dr. Dr. h. c. Peter Göltz, Editor-in-Chief Angewandte Chemie, Wiley-VCH</i>

## Friday, April 21<sup>st</sup>, 2017

<b>8:00</b>	<b>Gathering (Lobby of Chemistry Building)</b>
<b>8:30</b>	<b>Opening</b> <i>Prof. Dr. Holger Zorn / Prof. Dr. Bernhard Spengler</i>
<b>8:40</b>	<b>"Towards on-site screening of food and consumer goods by ambient mass spectrometry"</b> <i>Dr. Sabine Schulz</i>
<b>9:00</b>	<b>"Dissecting Lipids with Light – Online Modifications and Tandem Mass Spectrometry"</b> <i>Dr. Sven Heiles</i>
<b>9:20</b>	<b>"Terpenoid syntheses of the mushroom <i>Agrocybe aegerita</i>"</b> <i>Jun.-Prof. Dr. Martin Rühl</i>
<b>9:40</b>	<b>"Spirits that we've cited our commands ignore – The fate of antibiotics in manure"</b> <i>Dr. Astrid Spielmeier</i>
<b>10:00</b>	<b>"Flavor production by basidiomycetes: a novel nonalcoholic beverage fermented by shiitake"</b> <i>Dr. Yanyan Zhang</i>
<b>10:20</b>	<b>"Size matters – Transport in nanoscaled systems"</b> <i>Dr. Matthias Elm</i>
<b>10:40</b>	<b>Coffee Break</b>
<b>11:00</b>	<b>"Nanostructured semiconductors for Solar Energy Conversion"</b> <i>Dr. Roland Marschall</i>
<b>11:20</b>	<b>"Structural chemistry of ionic conductors for solid-state batteries"</b> <i>Dr. Wolfgang Zeier</i>
<b>11:40</b>	<b>"Different Aspects of Theoretical Chemistry – from Small Molecules to Complex Systems"</b> <i>Jun.-Prof. Dr. Doreen Mollenhauer</i>
<b>12:00</b>	<b>"This mechanistic step is productive" – Organic chemistry students' backward oriented reasoning"</b> <i>Jun.-Prof. Nicole Graulich</i>
<b>12:20</b>	<b>"Triggered by Tunneling – Lifting the Veil on the Photo-Rearrangement of o-Nitrobenzaldehyde"</b> <i>Dr. Dennis Gerbig</i>
<b>12:40</b>	<b>"Catalysis of a Photochemical Radical Reaction with a Single Water Molecule"</b> <i>Dr. Artur Mardiyukov</i>
<b>13:00</b>	<b>"C–H Functionalization of bridged cycloalkanes"</b> <i>Dr. Radim Hrdina</i>
<b>13:20</b>	<b>Closing and Farewell</b> <i>Prof. Dr. Bernd Smarsly / Prof. Dr. Hermann Wegner</i>