



We create chemistry

# 140<sup>th</sup> International Summer Course

August 06 to 12, 2023



## Safety and Site Plan

These are the most important safety rules that have to be respected on the BASF site:

- While on the site, your visitor badges must be worn and visible at all times.
- Instructions from security personnel or other authorized personnel must be followed promptly.
- Cameras and electronic recording equipment must be handed in at the gate, together with the associated film and memory material.
- Permission is needed for notebooks, USB-sticks and other storage media.
- It is strictly forbidden to use mobile phones to take pictures.  
Please keep your mobile phones switched off during the course.
- No alcohol, no smoking or open fires are permitted.
- Please do not enter buildings or plants that are not necessary for your course.
- Documents and drawings relating to BASF may only be removed from the site if distributed for that purpose.
- Sturdy shoes (e.g. no sandals / high heels), long-sleeved clothes and long pants are required when visiting production plants.



## Welcome

Since 1949, BASF has invited PhD students to visit the company and strengthen the scientific exchange between future scientists. Ever since those early days, the BASF International Summer Course has attracted more and more talents from all over the world.

The course takes place at the Ludwigshafen Verbund Site, the largest integrated chemical production site in the world and the major hub of our global research community. The course offers participants an inspiring environment, the opportunity to get authentic insights into work life at BASF and the chance to network with other participants as well as BASF colleagues.

Together with digital specialists, engineers and scientists from all over the world, you are invited to take an active and creative part in shaping this course. We welcome you and hope you will spend an unforgettable time here with us.

Your Team of the International Summer Course 2023

**Welcome to BASF – We create chemistry!**

### Leonie Haase

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**basf4guests**

- Enter your badge ID without the leading letter as username (e.g. 1234567).
- Enter your birthday in the format YYYY-MM-DD as password.



## Organizer

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## Bärenführer

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### Dr. Sebastian Spicher

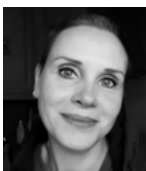
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## Organization

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### Nadine Rateike

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until 4:00 pm  
Hotel René Bohn  
Lobby

[Registration at Hotel](#)

5:30 – 6:00 pm

[Transfer to Restaurant](#)

6:00 – 10:30 pm  
Küche Jungbusch & Terrace,  
Mannheim

[Opening & Welcome Dinner](#)

10:30 – 11:00 pm

[Transfer to Hotel](#)

## Monday – August 07, 2023

8:00 – 8:15 am	<b>Walk to Feierabendhaus</b>	
8:15 – 8:45 am	<b>Introduction of the Day</b>	
Kammermusiksaal		
8:45 – 9:45 am	<b>Sustainability drives Innovation – Innovation drives Sustainability</b>	
Kammermusiksaal	Dr. Helmut Winterling (President, Group Research)	
9:45 – 10:30 am	<b>Net Zero Accelerator</b>	
Kammermusiksaal	Dr. Marco Bosch (Head of Carbon Management Technology)	
10:30 – 11:00 am	<b>Coffee Break &amp; Networking</b>	
11:00 – 11:45 am	<b>Biotransformations at Industrial Scale</b>	
Kammermusiksaal	Dr. Doreen Schachtschabel (Vice President, White Biotechnology Research)	
11:45 am – 12:00 pm	<b>Break &amp; Networking</b>	
12:00 – 1:30 pm	<b>Meet the Leader with Lunch</b>	
Foyer Nord	Dr. Thomas Grösser Dr. Grit Baier (Bioanalytics & Chemometrics) Dr. Xenia Beyrich-Graf (Specialties & Bioscience Research) Dr. Bernd Eck (Scientific Modeling) Dr. Katrin Friese (Catalysis Research) Dr. Horst Grafmanns (Process & Synthesis Research) Dr. Achim Gritsch (Materials Research)	Dr. Thomas Grösser (Functional Polymers R&D Care Chemicals) Dr. Ingrid Martin (Material Science) Dr. Joachim Richert (Analytical Science) Dr. Doreen Schachtschabel (White Biotechnology Research) Dr. Julia Schüller (Chemicals Research) Dr. Heiko Urtel (Global R&D Battery Materials)
1:30 – 2:00 pm	<b>Break &amp; Networking</b>	
2:00 – 2:45 pm	<b>Verbund Site Ludwigshafen</b>	
Kammermusiksaal	Dr. Olaf Kahrs (Head of Verbund Analysis)	
2:45 – 3:00 pm	<b>Walk to D 105 / Z 022</b>	
3:00 – 3:45 pm	<b>Issuance of Visitor Passes</b>	
D 105 / Z 022		
3:45 – 4:45 pm	<b>BASF Site Tour</b>	
Plant Grounds		
4:45 – 5:30 pm	<b>Stop-Over at Hotel</b>	
5:30 – 6:30 pm	<b>Transfer to Restaurant</b>	
6:30 – 11:00 pm	<b>Vineyard Dinner</b>	
Weingut Mesel, Bad Dürkheim		
11:00 pm – 12:00 am	<b>Transfer to Hotel</b>	

## Tuesday – August 08, 2023

8:00 – 8:15 am	<b>Walk to Feierabendhaus</b>
8:15 – 8:30 am	<b>Introduction of the Day</b>
Kammermusiksaal	
8:30 – 9:15 am	<b>Creating Value for our Customers with Detergent Enzyme Innovation</b>
Kammermusiksaal	Dr. Thomas Greindl (Vice President, R&D Home Care and Industrial Formulations)
9:15 – 10:00 am	<b>Industrial Heterogeneous Catalysis for a Sustainable Future</b>
Kammermusiksaal	Dr. Katrin Friese (Vice President, Catalysis Research)
10:00 – 10:30 am	<b>Coffee Break &amp; Networking</b>
10:30 – 11:30 am	<b>Quantum Chemistry &amp; Quantum Computing @ BASF</b>
Kammermusiksaal	Dr. Ansgar Schäfer (Competence Leader, Quantum Chemistry) Dr. Michael Kühn (Research Engineer, Next Generation Computing)
11:30 am – 12:00 pm	<b>Meet your AWASE Host</b>
12:00 – 1:00 pm	<b>AWASE Lunch</b>
Canteen	
1:00 – 3:00 pm	<b>AWASE Tour</b>
R&D Facilities	
3:00 – 3:45 pm	<b>Stop-Over at Hotel</b>
3:45 – 4:00 pm	<b>Walk to Feierabendhaus</b>
4:00 – 5:00 pm	<b>Elevator Pitch</b>
Kammermusiksaal	One Minute Presentation of each Participant
5:00 – 8:00 pm	<b>Poster Session</b>
Foyer Nord & Foyer Süd	Snacks & Drinks
8:00 – 8:30 pm	<b>Stop-Over at Hotel</b>
8:30 – 11:00 pm	<b>Barbecue Dinner</b>
Wintergarten and Terrace	
11:00 – 11:15 pm	<b>Walk to Hotel</b>

8:00 – 8:15 am	<b>Walk to Feierabendhaus</b>
8:15 – 8:30 am	<b>Introduction of the Day</b>
Kammermusiksaal	
8:30 – 9:15 am	<b>Toxicological Testing at BASF for Safe and Sustainable Products</b>
Kammermusiksaal	Dr. Robert Landsiedel (Vice President, Toxicology and Ecology)
9:15 – 10:00 am	<b>Digitalization &amp; Automation of R&amp;D @ BASF</b>
Kammermusiksaal	Dr. Alice Glättli (Senior Vice President; Digitalization, Automation and Innovation Management)
10:00 – 10:30 am	<b>Coffee Break &amp; Networking</b>
10:30 – 11:15 am	<b>Analytics – A Key to Innovation and Sustainability</b>
Kammermusiksaal	Dr. Joachim Richert (Vice President, Analytical Science)
11:15 – 11:30 am	<b>Introduction to Business Game</b>
Kammermusiksaal	
11:30 am – 12:30 pm	<b>Lunch</b>
Foyer Nord	
12:30 – 2:45 pm	<b>Business Game: Renewable and Reprocessed Carbon</b>
Kammermusiksaal	Dennis Albers (Senior Manager, Renewable Cracker Feed Program)
Künstlerzimmer 3a	Dr. Tim Balensiefer (Sustainability Manager, Petrochemicals)
Künstlerzimmer 3b	Dr. Alexander Schenzel (Global Sustainability Manager, Dispersions & Resins)
Künstlerzimmer 4a	Dr. Patrick Wilke (Sustainability Manager, Performance Materials)
Künstlerzimmer 4b	
2:45 – 4:15 pm	<b>Business Game: Final Pitches, Evaluation &amp; Feedback</b>
Kammermusiksaal	Dr. Andreas Kleinke (Head of Sustainability Strategy)
	Dr. Kai Rainer Ehrhardt (Vice President, Reaction Engineering)
	Prof. Dr. Peter Saling (Senior Expert, Corporate Sustainability)
4:15 pm – open	<b>Free Afternoon and Evening</b>
5:00 – 6:00 pm	<b>Optional: Transfer to Heidelberg</b>
Neckarmünzplatz, Heidelberg	
9:00 – 10:00 pm	<b>Optional: Transfer from Heidelberg to Hotel</b>
Neckarmünzplatz, Heidelberg	

8:00 – 8:15 am	<b>Walk to Feierabendhaus</b>	
8:15 – 8:30 am	<b>Introduction of the Day</b>	
Kammermusiksaal		
8:30 – 9:30 am	<b>Careers at BASF – Panel Discussion</b>	
Kammermusiksaal	Leonie Haase (Senior Advisor, Talent Attraction & Employer Branding)	
	Dr. Tile Gieshoff (Process Manager, Acrylic Acid Ester Plant)	
	Dr. Julia Jähnigen (Manager, Chemical Strategy for Sustainability)	
	Dr. Julia Schüller (Vice President, Chemicals Research)	
9:30 – 10:30 am	<b>Coffee Break &amp; Networking</b>	
10:30 – 11:15 am	<b>BASF Cathode Active Materials &amp; Recycling: Tailored Closed-loop Solutions Addressing the Market Needs</b>	
Kammermusiksaal	Dr. Andreas Fischer (Vice President, Global Innovation Scouting Battery Materials)	
11:15 am – 12:00 pm	<b>Process Development: From Lab to Launch</b>	
Kammermusiksaal	Dr. Achim Gritsch (Vice President, Materials Research)	
12:00 – 1:00 pm	<b>Lunch</b>	
Foyer Nord		
1:00 – 1:15 pm	<b>Distribution of Safety Equipment</b>	
Künstlerzimmer 7		
1:15 – 4:15 pm	<b>Plant Visits in Groups</b>	
BASF Plants	Acrylic Monomers	Lukas Schulz
	Oxo	Dr. Frank Poplow
	Phytase	Dr. Christian Dietzsch
	Steamcracker	Eric Jenne
	Citral	Dr. Georg Seeber
	Ethylene oxide	Oliver Fitzner
	Ethyl acrylate/Methacrylic acid	Dr. Tile Gieshoff
	Ultramid	Dr. Andreas Ansmann
4:15 – 4:30 pm	<b>Return of Safety Equipment</b>	
Künstlerzimmer 7		
4:30 – 5:00 pm	<b>Stop-Over at Hotel</b>	
5:00 – 6:00 pm	<b>Transfer to Restaurant</b>	
6:00 – 8:15 pm	<b>Dinner</b>	
Wirtshaus am Dom, Speyer		
8:15 – 8:30 pm	<b>Walk to Speyer Cathedral</b>	
8:30 – 10:30 pm	<b>Speyer City Tour</b>	
Speyer		
10:30 – 11:30 pm	<b>Transfer to Hotel</b>	

## Friday – August 11, 2023

8:00 – 8:15 am	<b>Walk to Feierabendhaus</b>
8:15 – 8:30 am	<b>Introduction of the Day</b>
Kammermusiksaal	
8:30 – 9:15 am	<b>Performance Materials for Future Mobility</b>
Kammermusiksaal	Dr. Elisabeth Weyandt (Technology Scout Automotive Industry)
9:15 – 10:00 am	<b>ChemCycling® – From Plastic Waste to Virgin-grade Products</b>
Kammermusiksaal	Marion Mayer (Senior Marketing and Product Manager)
10:00 – 10:30 am	<b>Coffee Break &amp; Networking</b>
10:30 – 11:15 am	<b>Creating Sustainable Solutions for Agriculture</b>
Kammermusiksaal	Dr. Jürgen Huff (Senior Vice President, R&D Crop Protection)
11:15 am – 4:30 pm	<b>Focused Visits in Groups with Lunch</b>
	Research Mini Plant Facility & Methane Pyrolysis, Ludwigshafen Analytics – Electron Microscopy & X-ray Diffraction, Ludwigshafen Battery Material Pilot Plant, Ludwigshafen Biotech Pilot Plant, Ludwigshafen Automation in Biotech Research, Ludwigshafen Crop Protection – Chemistry in the Field, Limburgerhof
4:30 – 4:45 pm	<b>Return of Safety Equipment</b>
Künstlerzimmer 7	
4:45 – 5:30 pm	<b>Stop-Over at Hotel</b>
5:30 – 6:00 pm	<b>Transfer to Restaurant</b>
6:00 – 8:00 pm	<b>Meet BASF Guests</b>
Küche Jungbusch & Terrace, Mannheim	Dr. Eva Hackemann (Competence Leader, Process Development Biotech) Dr. Verena Stempel (Production Manager, Oxo-Plant) Dr. Kai Theodor Coenen (Asset Manager, Waste Incineration)
8:00 – 10:00 pm	<b>Farewell Dinner</b>
Küche Jungbusch & Terrace, Mannheim	
10:00 pm – 2:00 am	<b>Farewell Party</b>
Küche Jungbusch & Terrace, Mannheim	
11:00 – 11:30 pm	<b>Transfer to Hotel</b>
2:00 – 2:30 am	<b>Transfer to Hotel</b>

## Saturday – August 12, 2023

open – 11:00 am	<b>Last Farewell, Breakfast and Departure</b>
Hotel René Bohn	

Goodbye and a safe trip home!

Your Team of the International  
Summer Course 2023

## Useful abbreviations

### Research Divisions

RGA: Analytical and Material Science  
RGD: Specialties and Bioscience Research  
RGU: Chemicals and Catalysis Research  
RGQ: Digitalization, Automation and Innovation  
Management

### Operating Divisions

AP: Agricultural Solutions  
CC: Catalysts  
CI: Intermediates  
CM: Monomers  
CP: Petrochemicals  
EC: Coatings  
ED: Dispersions & Pigments  
EM: Care Chemicals  
EN: Nutrition & Health  
EV: Performance Chemicals  
PM: Performance Materials



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# We need you

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