

# Mitgliederversammlung

## GDCh-Fachgruppe Medizinische Chemie

[www.gdch.de/medchem](http://www.gdch.de/medchem)

**3. April 2023**

**Wien**

# Tagesordnung

- 1. Begrüßung**  
**Protokoll der Mitgliederversammlung vom 4. November 2021**  
**Tagesordnung**
- 2. Der Vorstand 2023-2026 stellt sich vor**
- 3. Bericht des Vorstands**
- 4. NextGenMedChem**
- 5. Veranstaltungen der Fachgruppe**
- 6. Preise der Fachgruppe**
- 7. Was wünscht sich die Mitgliedschaft?**
- 8. Verschiedenes**

# **1. Begrüßung**

## **Protokoll der Mitgliederversammlung vom 4. November 2021**

### **Tagesordnung**

## 2. Vorstand 2023-2026

**Dr. Gerhard Heßler (Vorsitz)**

Sanofi, Frankfurt a.M.

**Dr. Tatjana Ross (stellv. Vorsitz)**

Merck KGaA, Darmstadt

**Prof. Dr. Christian Ducho**

Universität des Saarlandes, Saarbrücken

**Prof. Dr. Anna Hirsch**

Helmholtz Institut für Pharmazeutische Forschung (HIPS), Saarbrücken

**Dr. Christian Kuttruff**

Boehringer-Ingelheim International GmbH, Biberach

**Prof. Dr. Holger Stark**

Heinrich-Heine-Universität Düsseldorf

## 2. Vorstand 2023-2026

### Steckbriefe der Vorstandsmitglieder



**Gerhard Hessler**

**Affiliation**

Sanofi, Frankfurt

**Role**

Head of Synthetic Molecular Design

**Education**

Chemistry in Darmstadt, Norwich, Munich

**Favorite quotation/Fun Fact**

*In God we trust. All others must bring data  
(E. Deming)*



**Tatjana Ross**

**Affiliation**

Merck Healthcare KGaA, Darmstadt

**Role**

Director Medicinal Chemistry

**Education**

Chemistry in Frankfurt, Zurich, Cambridge

**Favorite quotation/Fun Fact**

*The great tragedy of science - the slaying of a beautiful  
hypothesis by an ugly fact. (Thomas Huxley)*

## 2. Vorstand 2023-2026

### Steckbriefe der Vorstandsmitglieder



**Anna K. H. Hirsch**

**Affiliation**

HIPS & Saarland University, Saarbrücken

**Role**

Professor & Head of Department

**Education**

Chemistry in Cambridge, Cambridge (MA),  
Zurich, Strasbourg

**Favorite quotation/Fun Fact**

*Name the greatest of all inventors.  
Accident.*



**Christian Ducho**

**Affiliation**

Saarland University, Saarbrücken

**Role**

Professor of Pharm. Med. Chemistry

**Education**

Chemistry in Hamburg, Oxford

**Favorite quotation/Fun Fact**

*Wenn ein Buch und ein Kopf zusammen-  
stoßen und es klingt hohl, ist das allemal  
im Buch? (G. C. Lichtenberg)*

## 2. Vorstand 2023-2026

### Steckbriefe der Vorstandsmitglieder



**Christian Kuttruff**

**Affiliation**

Boehringer Ingelheim, Biberach (Riss)

**Role**

Business Development & Licensing

**Education**

Chemistry at LMU, Harvard, Scripps

**Favorite quotation/Fun Fact**

*Information is not knowledge. The only source of knowledge is experience. (Einstein)*



**Holger Stark**

**Affiliation**

Heinrich Heine University D´dorf

**Role**

Prof. Pharm. & Med. Chem.

**Education**

Pharmacy, Berlin

**Favorite quotation/Fun Fact**

*Don´t give up! You win or learn...*

## 2. Vorstand 2023-2026

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## 2. Dank an die alten Vorstandsmitglieder

**Dr. Franz von Nussbaum (Vorsitz 2019-2022)**

Nuvisan, Berlin

**Prof. Dr. Stefan Laufer (2016-2022)**

Universität Tübingen

**Dr. Horst Dollinger (2016-2022)**

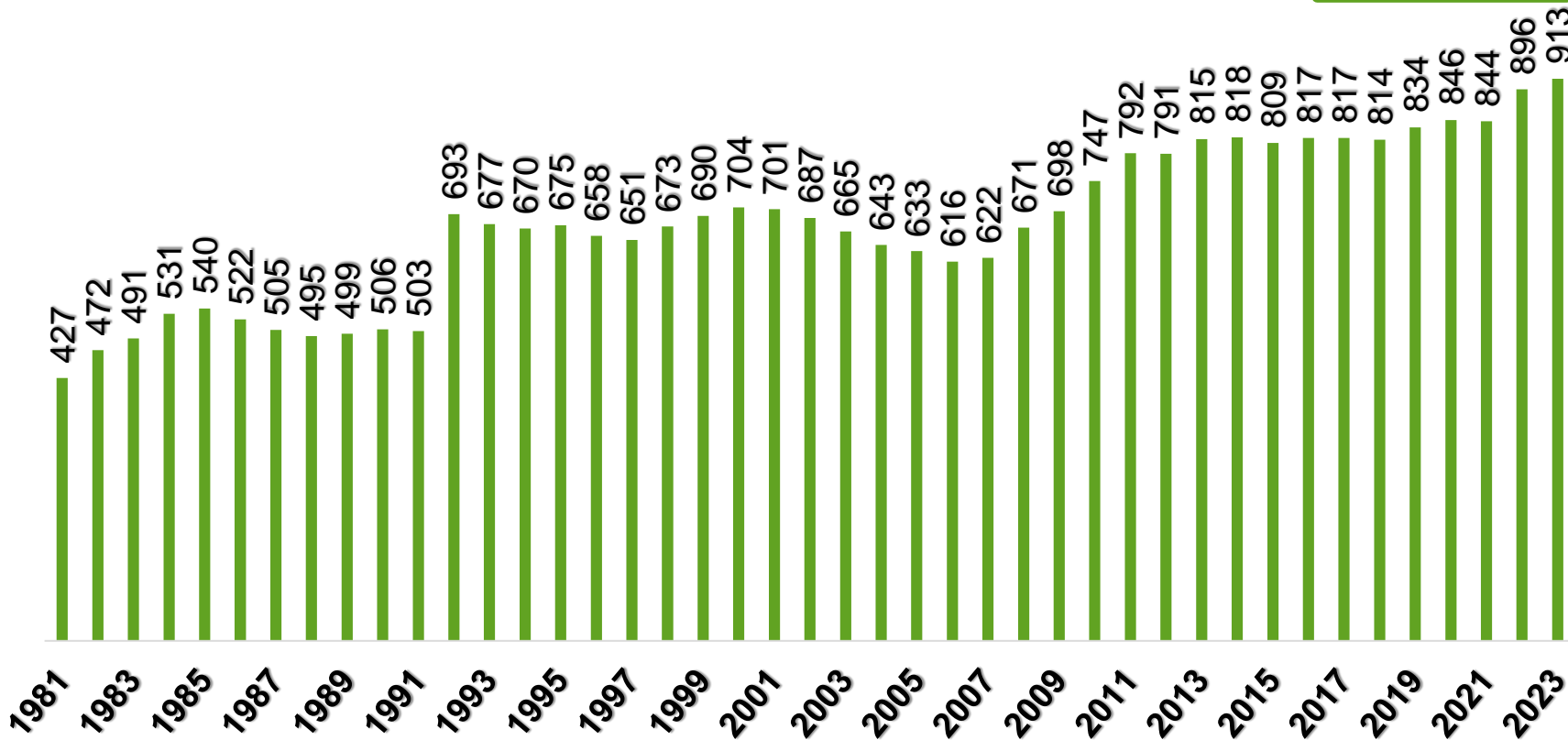
Boehringer Ingelheim, Biberach

*Herzlichen  
Dank*

# 3. Bericht des Vorstands

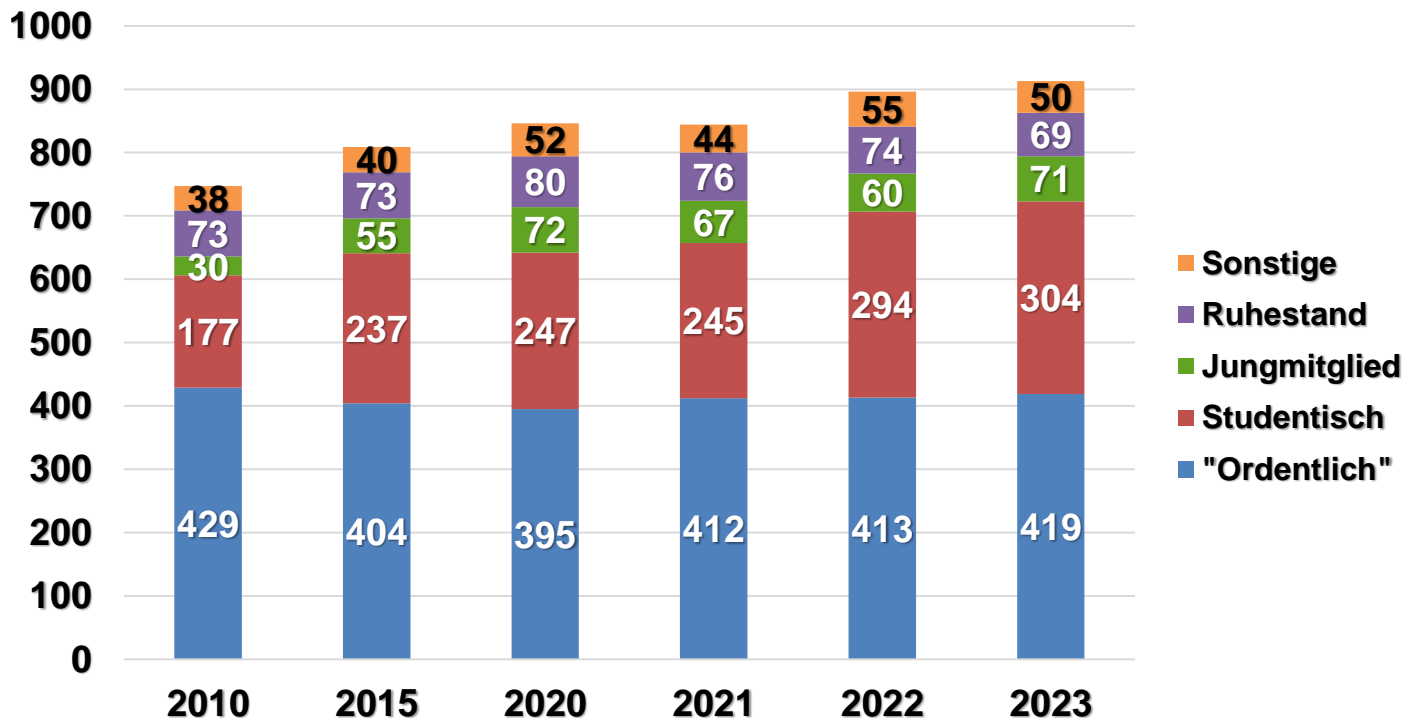
Mitgliederzahlen 1981ff (jeweils zum 1.01. d.J.)

2023: +2%



## 3. Bericht des Vorstands

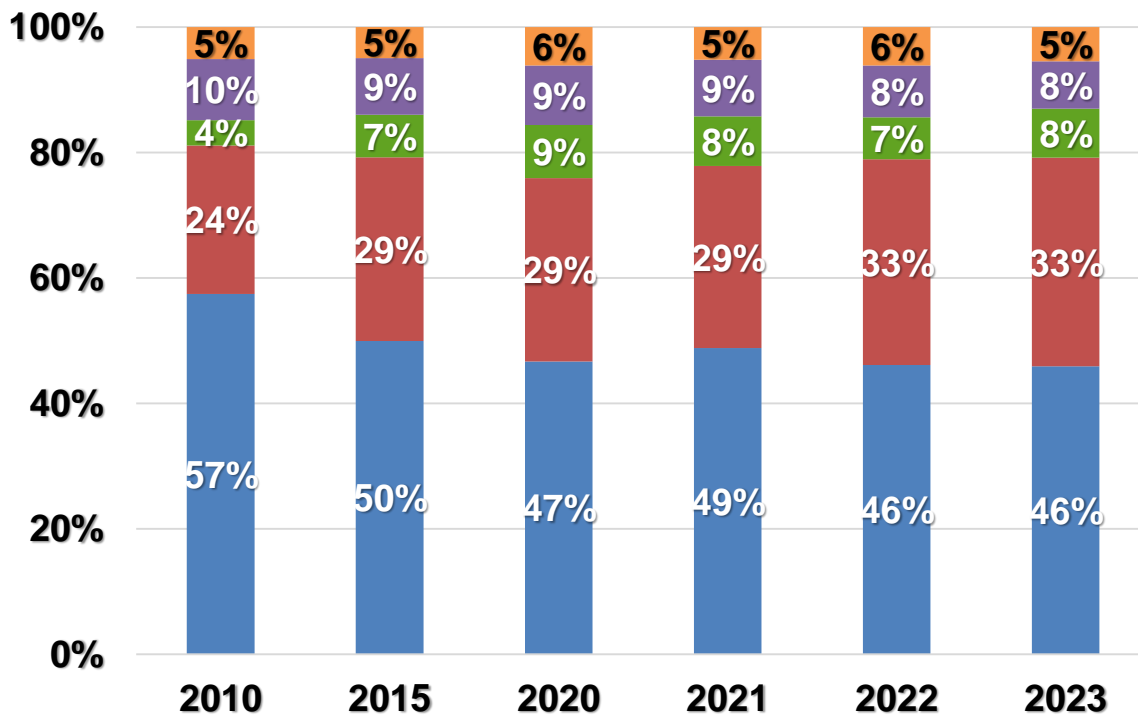
Mitglieder nach Beitragsklassen – 1 (absolut; jeweils zum 01.01. d.J.)



**Sonstige:** assoziiert, Sonderbeiträge, Firmen, Institute/Bibliotheken, stellungslos, in Ausbildung, lebenslang

# 3. Bericht des Vorstands

## Mitglieder nach Beitragsklassen – 2 (in %; jeweils zum 01.01. d.J.)



**Januar 2023**  
41% studentische  
& Jungmitglieder

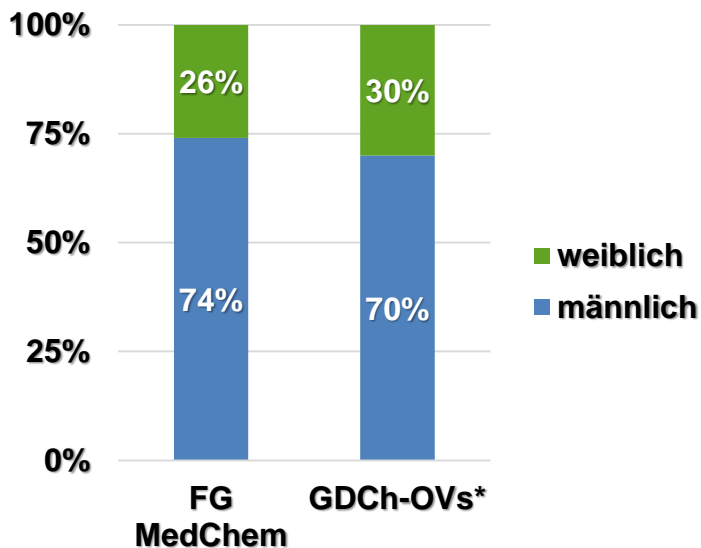
- Sonstige
- Ruhestand
- Jungmitglied
- Studentisch
- "Ordentlich"

**Sonstige:** assoziiert, Sonderbeiträge, Firmen, Institute/Bibliotheken, stellungslos, in Ausbildung, lebenslang

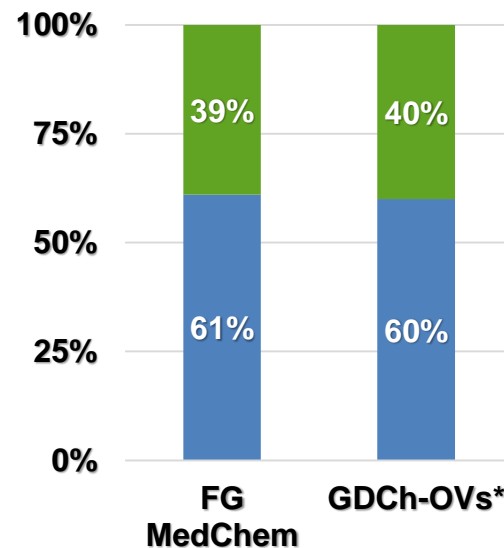
# 3. Bericht des Vorstands

## Geschlechterverteilung (Stand: 01.01.2023)

### Alle Mitglieder



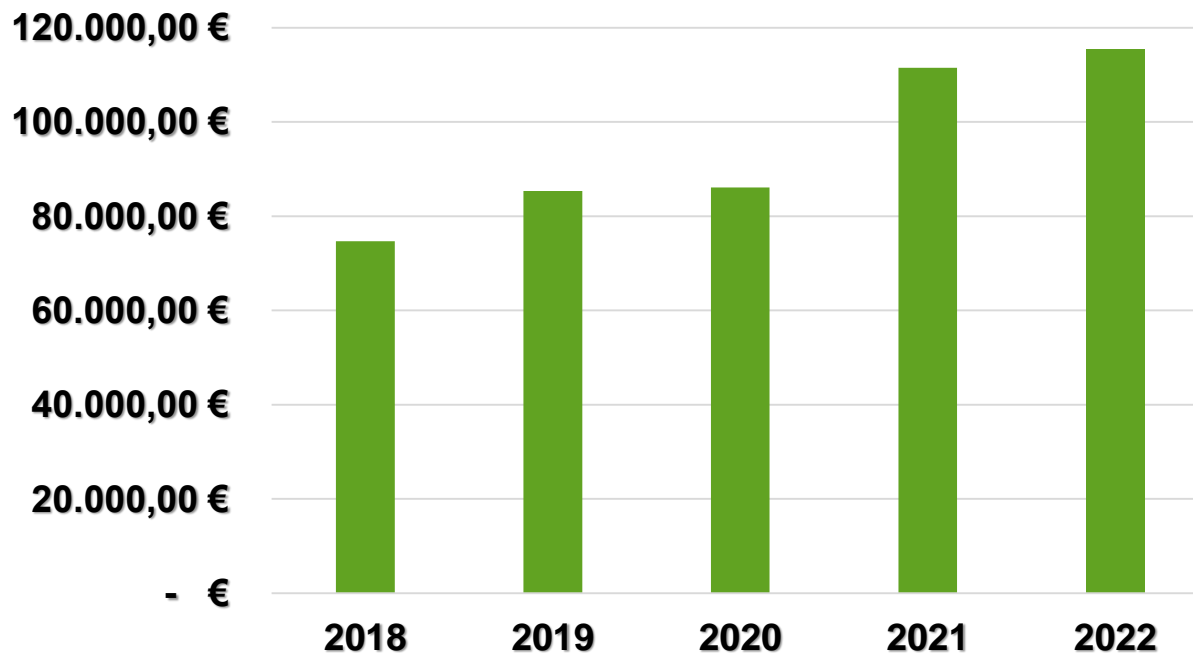
### Junge Mitglieder (stud./Jungmitglied/in Ausbildung)



\***GDCh-OVs:** Summe aller GDCh-Ortsverbände; entspricht Summe der GDCh-Mitglieder.

# 3. Bericht des Vorstands

Finanzen 2018ff (jeweils zum 31.12. d.J.)



# 3. Bericht des Vorstands

## Zusammenarbeit mit nationalen & internationalen Organisationen

- **Kollaboration mit der DPhG**
  - Friedrich-Stolz-Preis
  - Innovationspreis Medizinische/Pharmazeutische Chemie
  - Frontiers in Medicinal Chemistry Tagung
- **Engagement in der EFMC**
  - Mitgliedschaft im Council der EFMC
  - FIMC und Helmholtz Drug Discovery Conference 2023  
zum ersten Mal EFMC-akkreditierte Konferenz
- **Ausrichten der FIMC 2023 mit GÖCh**

# 3. Bericht des Vorstands

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- **Kollaboration mit der DPhG**
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  - Frontiers in Medicinal Chemistry Tagung
- **Engagement in der EFMC**
  - Mitgliedschaft im Council der EFMC
  - Franz von Nussbaum als workstream lead “EFMC2”
  - Stefan Laufer in der “EFMC best practice”- Gruppe
  - FIMC und Helmholtz Drug Discovery Conference 2023  
zum ersten Mal EFMC-akkreditierte Konferenz
- **Ausrichten der FIMC 2023 mit GÖCH**



# 4. NextGenMedChem

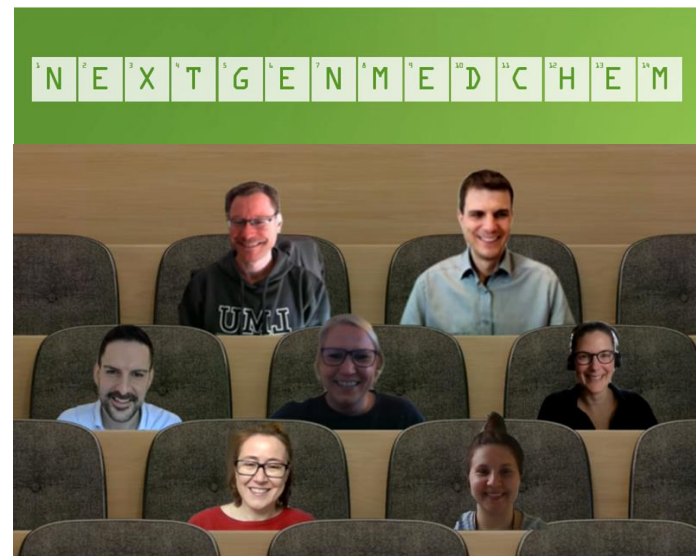
[www.gdch.de/nextgenmedchem](http://www.gdch.de/nextgenmedchem)

## • NextGenMedChem

- Founded in 2020 as a part of the “Fachgruppe Medizinische Chemie”
- Group of young and passionate medicinal chemists from industry and academia
- Formerly 7 members, from 2023: 8 members (3 academia/5 industry)

## • Mission:

- inspire, educate, and connect the next generation of medicinal chemists
- increasing the visibility of medicinal chemistry
- providing a communication and training platform for Ph.D. students, postdoctoral researchers, and early-career professionals



**#NextGenMedChem**

[NextGenMedChem@go.gdch.de](mailto:NextGenMedChem@go.gdch.de)

# 4. NextGenMedChem

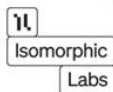
## The NextGenMedChem Team



María Méndez Pérez



Franca Klingler



Matthias Gehringer



Eleonora Diamanti



### Former members :



Tatjana Ross



Christian Kuttruff



### New members :



Felix Pape



Matthias Schiedel



Philipp Barbie



Andrea Unzue-Lopez



Julien Lefranc



# 4. NextGenMedChem

## MedChemCASES

- **Flagship Project: MedChemCASES webinars**
  - Medicinal Chemistry case studies
  - Kick-off: July 2020 (total: 19 webinars)
  - 8 webinars in 2022 / 2 webinars in Q1/2023
  - Renowned international speakers from industry and academia
  - National and international visibility: 150-450 attendees (Germany, EU, US, Brazil...)
  - Special Event together with EFMC-YSN in Nov. 2021



EFMC Young Scientists Network

**MedChemCASES Special Event**

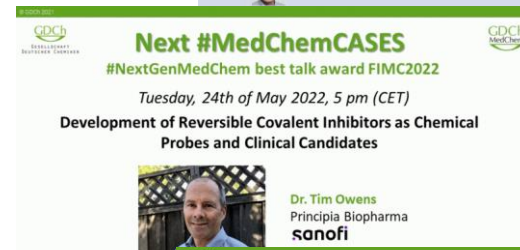
GDCh MedChem

November 18, 2021 - 04.00 to 05.30pm CET

ROUND TABLE DISCUSSION | *Life as a foreign scientist in Germany*

**PANELISTS**

- Dr Eleonora Diamanti (Helmholtz Institute for Pharmaceutical Research Saarland, Germany)
- Dr Louise Eagling (Novartis, Germany)
- Dr Katarina Iric (OyNAbind, Germany)
- Dr Andrea Unzue-Lopez (Merck, Germany)
- Dr Keith Graham (Bayer, Germany)



GDCh MedChem

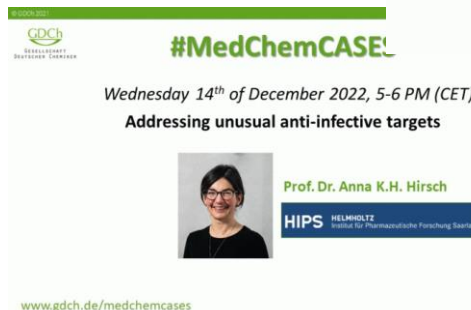
**Next #MedChemCASES**

#NextGenMedChem best talk award FIMC2022

Tuesday, 24th of May 2022, 5 pm (CET)

Development of Reversible Covalent Inhibitors as Chemical Probes and Clinical Candidates

Dr. Tim Owens  
Principia Biopharma  
**sonofi**



GDCh MedChem

**#MedChemCASES**

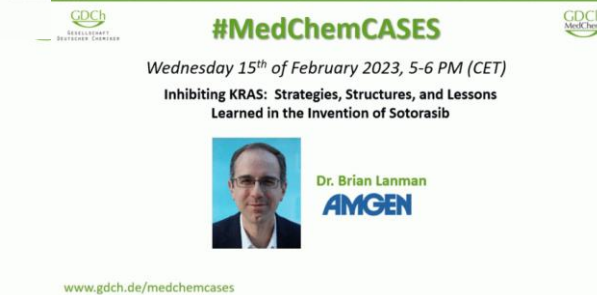
Wednesday 14<sup>th</sup> of December 2022, 5-6 PM (CET)

Addressing unusual anti-infective targets

Prof. Dr. Anna K.H. Hirsch

HIPS HELMHOLTZ Institute für Pharmazeutische Forschung Saarland

www.gdch.de/medchemcases



GDCh MedChem

**#MedChemCASES**

Wednesday 15<sup>th</sup> of February 2023, 5-6 PM (CET)

Inhibiting KRAS: Strategies, Structures, and Lessons Learned in the Invention of Sotorasib

Dr. Brian Lanman  
**AMGEN**

www.gdch.de/medchemcases

# #MedChemCASES

# 4. NextGenMedChem

## Contributions to the FiMC

ChemMedChem	Conference Reports <a href="https://doi.org/10.1002/cmdc.202200419">doi.org/10.1002/cmdc.202200419</a>	 Chemistry Europe European Chemical Societies Publishing
<a href="http://www.chemmedchem.org">www.chemmedchem.org</a>		
<b>Frontiers in Medicinal Chemistry 2022 Goes Virtual</b>		
Eleonora Diamanti, <sup>[a]</sup> Maria Méndez, <sup>[b]</sup> Tatjana Ross, <sup>[c]</sup> Christian A. Kuttruff, <sup>[d]</sup> Julien Lefranc, <sup>[c]</sup> Franca-Maria Klingler, <sup>[c]</sup> Franz von Nussbaum, <sup>[f]</sup> Manfred Jung, <sup>[g]</sup> and Matthias Gehring <sup>*[h]</sup>		
<small>Dedicated to the researchers at Enamine Ltd. in Kyiv, Ukraine</small>		

### • FiMC2021

- Chairing of the Exhibitors Sessions
- Workshop: “Meet the Industr(ies): Life as a Medicinal Chemist in the new PharmaEco System”
- Participation in the poster price committee / awarding of a best speaker

### • FiMC2022

- Session organized by NextGenMedChem (NextGenerationDrugs)
- Suggestion/recruitment of speakers for other sessions
- Participation in the Organization/Scientific Advisory Board (Maria/Matthias)
- Organization of the post-conference workshop “Starting a Career in Medicinal Chemistry”
- Authoring of the conference report
- Participation in the poster price committee / awarding of a best speaker

### • FiMC2023

- Session organized by NextGenMedChem (NextGenerationDrugs)
- Suggestion/recruitment of speakers for other sessions
- Participation in the Organization/Scientific Advisory Board (Eleonora/Julien)
- Writing of the conference report (planned)
- And more....

# 4. NextGenMedChem

## Other activities

- **Social media presence**

- LinkedIn, Twitter, EFMC newsletter, personal networks...
- Promotion of MedChemCASES
- Promotion of other activities of the MedChem Division
- Close interaction with/support of the board of the GDCh MedChem Division (first F2F meeting with the board in July 2022)
- Collaboration with the EFMC-YSN (e.g. common MedChemCASES Special Event)

# #MedChemCASES

*Wednesday 26th of April 2023, 5-6 PM (CET)*

**Industrialized chemoproteomics enables the discovery of allosteric modulators of Janus Kinase 1 and Cereblon targeting novel sites**



**Dr. Benji Horning**



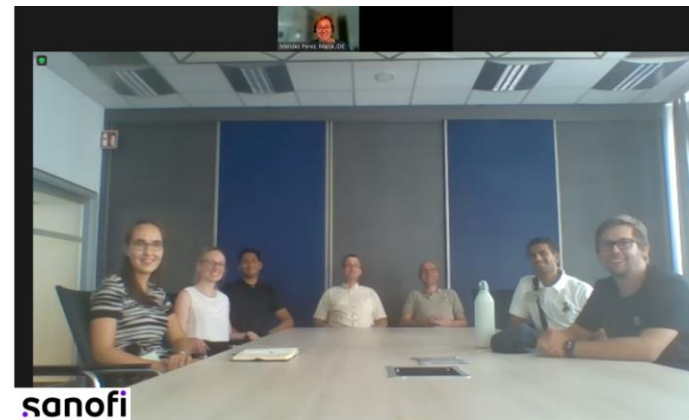
# 5. Veranstaltungen der Fachgruppe

- **MedChem INterACTION 2022 in Berlin**
  - Biotech in Germany – quo vadis
- **MedChem Cases**
  - Virtuelle Vortragsserie
- **Job Shadowing**
  - Einblicke in den Alltag des Medizinalchemikers
- **Friedrich-Stolz-Preis**

# 5. Veranstaltungen der Fachgruppe

## “Job Shadowing Event 2022” der NextGenMedChem Gruppe

- Die Poster-Preisträger der FIMC 2022 besuchten die Medizinalchemie von Sanofi und Merck
- Mit folgenden Themen
  - Arbeitsalltag eines Medizinal Chemikers
  - Pharmaforschung heute
  - Labor, Technologien und AI
  - Diversität möglicher Karrierewege



*“Expertise in chemistry is not the only deciding factor to be a successful MedChem scientist. Effective project management skills, collaboration skills and cross-functional communication skills play a major role. The overall experience is very valuable. If you get a chance, don’t miss it.”*

**Phani Kumar Nekkanti**

**Sehr gutes Feedback – In 2023 Job Shadowing @ Boehringer Ingelheim**





# 5. Veranstaltungen der Fachgruppe

MedChem **INTER**ACTION  
Forum

## Boosting Life-Science Biotech Hubs *In the new D-A-CH Pharma-Ecosystem*

Berlin, 10-12 May 2022

Discussing with Key Stakeholders:



Catalysts

And



Inhibitors



Success  
Stories



Case  
Studies



Learnings &  
Pitfalls



Impact of  
MedChem

Integrated  
CROs



Big/Mid-Sized  
Pharma



Digital



Biotech  
Startup



Academia



VCs

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**Organizing committee:**

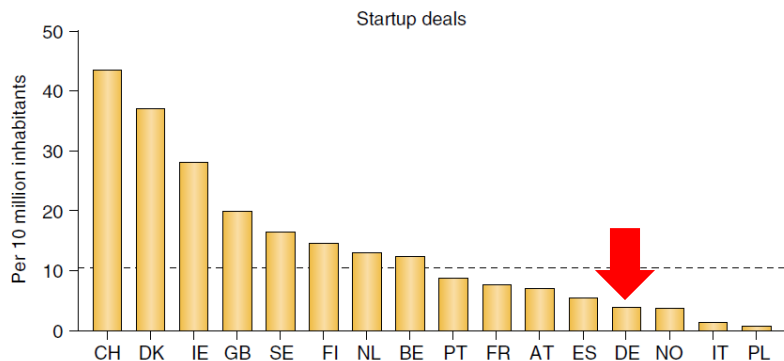
- Christian Kuttruff
- Stefan Laufer
- Franz von Nussbaum



## Biotech in Germany – quo vadis?

### Number of startup deals in Europe

- Germany ranks 4<sup>th</sup> in overall number
- BUT: 13<sup>th</sup> when correcting for population



The bars represent the number of startup deals (2013–2017) scaled per capita

Source:

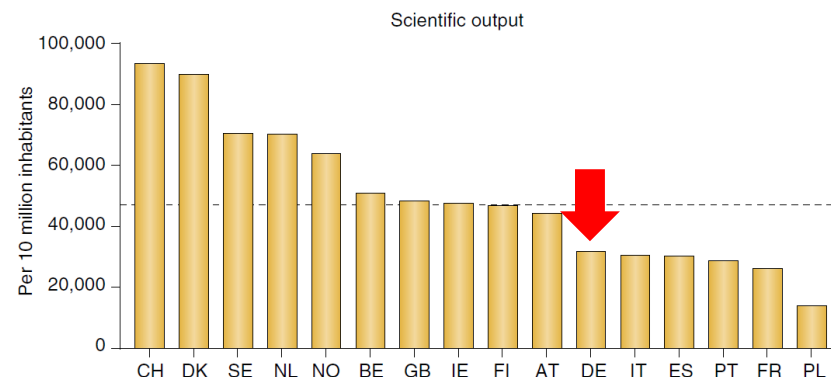
BUILDING A BUSINESS

Mapping the European startup landscape

Nature Biotechnology, 2019, 37, 345-349

### Scientific Output

- Leaders per capita are Switzerland & Denmark
- Germany ranks 14<sup>th</sup>



### Possible explanation:

- in line with highest R&D spending (as percentage of GDP): CH: 3.4%, SE: 3.3% (2015), DK: 3%
- CH, DK, SE & NL also appear in the top 8 of 2018 Global Innovation Index

# Quo vadis **Biotech in Germany?**

Dark clouds ahead!

## Limited **Translation** ?

- Lack of incentives to translate scientific discoveries in startups?

## Limited **Venture Capital**?

## Limited **Entrepreneurship**?

- Are scientists too risk averse (and prefer a „safe“ job in big pharma vs. biotech)?

## Limited **Human Capital**?

- Skilled labor shortage?
- How to attract highly-qualified talents?

## Limited **Infrastructure**?

- Are lab spaces scarce?
- Where is Germany's biotech valley?

Are **we lagging behind** with Biotech in Germany & DACH?



## MedChemINterACTION Program 2022

### Goal of the meeting:

- Bring together representatives from Biotech, Academia, VC and CROs
- Discuss current challenges in D-A-CH Biotech ecosystem
- Foster collaborations and identify opportunities

*Selection of topics and speakers from MedChemINterACTION 2022:*

### Academia – from academic biomedical research to Startups



**Peter Seeberger**  
MPI for  
Colloids and  
Interfaces



**Thierry Langer**  
University of  
Vienna



**Peter Gmeiner**  
FAU  
Erlangen-  
Nürnberg

### Venture Capital – investing in the future of Biotech



**Anela Vukoja**  
Apollo  
Health  
Ventures



**Ingo Klöckner**  
Leaps by  
Bayer



**Bernward Garthoff**  
BIO.NRW

### Biotech Case Studies - Learning from failures and successes



**Gerhard Müller**  
Anavo  
Therapeutics



**Reto Naef**  
Topadur  
Pharma AG



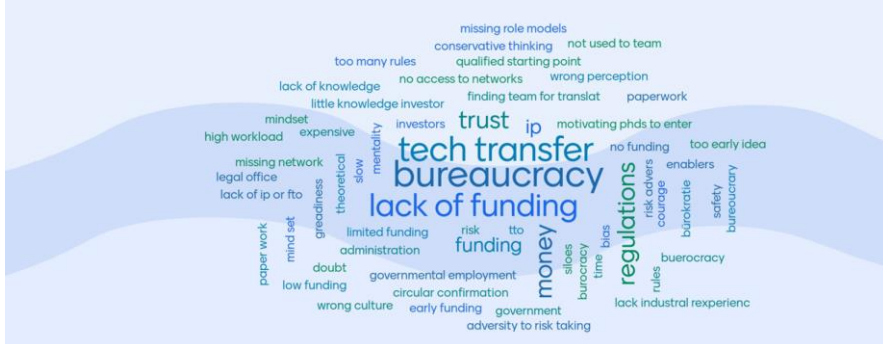
**Lorenz Meinel**  
Uni  
Würzburg

## Key discussion outcomes:

- There can be a bright future for Biotech in Germany
- Entrepreneurial skills are key for academics who want to successfully create a Startup
- There is still a lack of early-stage (VC) funding for many Startups
- CROs can act as catalysts for Biotech Translation

*Selection of Mentimeter surveys done during MedChemINterACTION:*

## Key INHIBITORS: ACADEMIA to STARTUP?



## CATALYSTS: What goes well for BIOTECH in DACH today?



# 6. Preise der Fachgruppe

## Friedrich-Stolz Preis 2022



the Bayer team:

- Prof. Dr. Joachim Mittendorf
- Dr. Markus Follmann
- Dr. Michael Hahn

In recognition of their work and achievements that enabled the discovery of modulators of the soluble guanylate cyclase (sGC).



# 6. Preise der Fachgruppe

## Innovationspreis 2022

- **Dr. Steffen Pockes, Regensburg**  
Entwicklung neuartiger Wirkstoffe zur Bekämpfung neurodegenerativer Erkrankungen
- **Dr. Oliver Thorn-Sheshold, München**  
Entwicklung strukturchemisch neuartige, photoschaltbare Modulatoren des Cytoskeletts



## Promotionspreis 2022

- **Dr. Verna Kunig, Dortmund**  
DNA-kodierte Substanzbibliotheken
- **Dr. Morstein, New York**  
Optical Control of Lipid Signaling
- **Dr. Zanon, München**  
Chemoproteomic exploration of the ligandability of bacterial proteomes



# 7. Was wünscht sich die Mitgliedschaft?





# 8. Verschiedenes

**Vielen Dank  
für  
Engagement & Teilnahme!**

