

26.4.2023 – 12:00

28.4.2023 – 15:00

**TRANSLATIONAL
AND PRECISION
GI-ONCOLOGY –**

**BENCH TO
BEDSIDE
MEETING**

**Klinik für Innere
Medizin II**

TRANSLATIONAL AND PRECISION GI-ONCOLOGY – BENCH TO BEDSIDE MEETING

Freiburg, Germany

26–28 April 2023

In a novel concept we want to bring together national and international academic scientists with translational clinician scientists and participants from industry to discuss new biological concepts and therapeutic approaches. The focus will be on GI oncology, with the aim to develop innovative study concepts based on findings from basic research to improve therapy options for our patients. We want to discuss new technologies (molecular diagnostics) and therapy concepts (precision medicine), and develop strategies to use these as effectively as possible. The results of the workshop will lead to an action plan and will be published. In addition, we would like to invite and motivate young scientists and physicians in order to inspire them for a career in translational cancer research.



Prof. Dr. Robert Thimme

Ärztlicher Direktor Klinik für Innere Medizin II



Prof. Dr. med. Michael Quante

Leiter Zentrum Gastrointestinale Tumore,
Klinik für Innere Medizin II

TRANSLATIONAL AND PRECISION GI-Oncology –
Bench to Bedside Meeting
Freiburg, Germany
26–28 April 2023

Location

Tagungszentrum Berliner Tor *neben dem Hotel Stadt Freiburg GmbH*,
Breisacher Straße 84 b, 79110 Freiburg

Date

26. April 2023 12.00 - 28. April 2023 15.00

Registration

<https://www.uniklinik-freiburg.de/gi-oncology-meeting.html>

SCIENTIFIC COMMITTEE

Prof. Dr. med. Michael Quante
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PD Dr. med. Anna Saborowski
Saborowski.Anna@mh-hannover.de

Dr. med. Benedikt Westphalen
christoph_benedikt.westphalen@med.uni-muenchen.de

DAY 1, 26 APRIL 2023

- 12.00** Arrival / Snacks
13.00 Welcome in Freiburg (R. Thimme)
13.10 Introduction to the Workshop
(B. Westphalen, A. Saborowski, M. Quante)

WORKSHOP 1

NEED FOR PRECISION MEDICINE

Chairs: M. Quante, Freiburg; S. Lange, München

- 13.20** Overview: Role of Precision Oncology in GI Oncology
(B. Westphalen, München)
13.40 The Molecular Tumorboard and its impact on Clinical
Oncology (H. Becker, Freiburg)
14.00 Advanced molecular diagnostics:
View from Industry perspective (M. Thomas, Roche)
14.20 Advanced molecular diagnostics:
View of the Pathologist (A. Stenzinger, Heidelberg)
14.40 Advanced molecular diagnostics:
View of the Bioinformatician (M. Börries, Freiburg)
15.00 Discussion

Break with Coffee

DAY 1, 26 APRIL 2023

WORKSHOP 2

IMPLEMENTATION OF ROUTINE MOLECULAR DIAGNOSTICS

– USE CASE: MSI

Chairs: B. Westphalen (München), A. Kurreck (Berlin)

- 16.00** Re-Thinking immune-oncological treatment in Gastrointestinal Cancer (F. Pietrantonio, Milano)
- 16.20** What is the best diagnostic method (M. Kloor, Heidelberg)
- 16.40** Will Artificial Intelligence help pathology? (K. Gerwert, Bochum)
- 17.00** Best Diagnostic Sequence – Who is responsible for testing? (R. Hüneburg, Bonn)
- 17.20** Discussion

KEYNOTE TALK 1

Chair: M. Quante (Freiburg)

Speaker: T. Graham (London)

- 18.00** Cancer evolution and its impact for cancer therapy

DAY 1, 26 APRIL 2023

SPEED SCIENCE SESSION 1

Chairs: L. Illert (München), G. Schneider (Göttingen)

- 18.45** Invited young Investigators (5 min each, followed by poster presentation and discussion)
- 1. Treatment of KRAS mutated pancreatic cancer - the role of the phosphatase SHP2 (K. Frank, München)*
 - 2. Farewell to ampullary cancer; mixed type (K. Al Halabi, Heidelberg)*
 - 3. Pathways Shaping PDAC Subtype Identity through Chromatin Remodeling Complexes (L. Klein, Göttingen)*
 - 4. PDAC organoid models to study epithelial-to-mesenchymal intratumoral heterogeneity (A. Papargyriou, München)*
- 19.15** Drinks with Poster Session
- Dinner and Bar*

DAY 2, 27 APRIL 2023

08.00 Breakfast and in addition meet the expert
(Future of Immunotherapies in GI Oncology, MSD)
Raum Waldseemüller

KEYNOTE TALK 2

Chair: H. Algül, (München)

Speaker: A. Behrens, (London)

09.00 Translation of preclinical research into clinical trials
and industry

Break with Coffee

WORKSHOP 3

NOVEL TECHNOLOGIES – READY FOR CLINICAL IMPLEMENTATION?

Chairs: S. Roth (Heidelberg), R. Gruber (2cureX)

10.00 Organoid models (T. Schmäche, Dresden)
10.20 Mouse and PDX Models (S. Sing, Göttingen)
10.40 Liquid Biopsy Strategies
(U. Malapelle, Naples)
11.20 Proteomic analysis (S. Singer, Tübingen)
11.40 Droplet microfluidics in personalized cancer therapy
(Ch. Merten, Lausanne)
12.00 Mathematical models (W. Kolch, Dublin)
12.20 Discussion

Lunch

DAY 2, 27 APRIL 2023

WORKSHOP 4

NEW KIDS ON THE BLOCK IN GI-ONCOLOGY – INDUSTRY

Chair: H. Becker (Freiburg), A. Vogel (Hannover)

13.30 Real-world experience with a functional
drug sensitivity test (R. Gruber, 2cureX)
13.50 Targeting IDH1 in cholangiocarcinoma
(T. Reisländer, Servier)
14.10 Future Pipeline of MSD in GI Oncology
(D. Brockelt, MSD)
14.30 New Kids on the Block: Bi-Specific Antibody
(S. Dovedi, AstraZeneca)
14.50 Zielgerichtete Therapeutika für GI-Tumoren
aus der Amgen Pipeline (D. Hecker, Amgen)
15.10 Discussion

Break with Coffee

WORKSHOP 5

NEW KIDS ON THE BLOCK IN GI-ONCOLOGY – ACADEMIA

Chair: H. Algül, (München), L. Hinze (Hannover)

- 16.00** Novel targets and options in biliary cancer
(A. Saborowski, Hannover)
- 16.20** Novel targets and options in pancreatic cancer
(L. Perkhofer, Ulm)
- 16.40** Novel targets and options in gastroesophageal cancer
(M. Quante, Freiburg)
- 17.00** Novel targets and options in colorectal cancer
(A. Kurreck, Berlin)
- 17.20** Novel targets and options in hepatocellular cancer
(U. Ehmer, München)
- 17.40** Discussion

SPEED SCIENCE SESSION 2

Chair: S. K. Singh (Göttingen), A. Neeße (Hamburg)

- 18.00** *Invited young Investigators (5 min each, followed by poster presentation and discussion)*
- 1. Myc-dependency of gastric neuroendocrine carcinomas (S. Lange, München)*
 - 2. Kinase inhibitor responses in patient-derived organoids (J. Traichel, Freiburg)*
 - 3. Multimodal data integration using AI (M. Unger, Dresden)*
 - 4. Molecular mechanisms of amino acid metabolism in cancer cells (L. Hinze, Hannover)*
 - 5. Cancer Prevention in gastroesophageal carcinogenesis utilizing FXR agonists (A. Proano-Vasco, Freiburg)*
- 18.30** Drinks with Poster Session
- Dinner and Bar*

DAY 3, 28 APRIL 2023

7.00 - 8.00 Breakfast and in addition meet the expert (How to bring molecular Diagnostic and Therapy to the patient, Amgen?) *Raum Waldseemüller*

WORKSHOP 6

PROMISES AND CAVEATS IN PRECISION – ONCOLOGY

Chair: J. Duyster (Freiburg), N. Köhler (Freiburg)

- 08.30** Biomarker driven precision oncology in PDAC (G. O’Kane, Dublin)
- 08.50** Car-T cell Therapy for GI tumors dream or reality? (S. Stock, München)
- 09.10** Imaging mass cytometry: Lessons from the cancer microenvironment? (B. Bengsch, Freiburg)
- 09.30** Standardized Pre-analytics: The Key for Reliable Molecular Diagnostics & Research (U. Oelmueller, Qiagen/PreAnalytiX)
- 09.50** Resistance mechanisms to BRAF targeted therapy and ways to overcome them (A. Alig, Berlin, R. Fritsch, Zürich, F. Eichinger, Pierre Fabre)
- 10.10** Discussion

Break with Coffee

DAY 3, 28 APRIL 2023

WORKSHOP 7

IMPLEMENTATION OF PERSONALIZED ONCOLOGY IN GI TUMOR THERAPY

Chairs: T. Brummer (Freiburg), D. Oettler (MSD)

- 10.30** Wish list of academia for implementing personalized medicine (A. Vogel, Hannover)
- 10.50** AI in precision oncology of GI cancer (N. Kather, Dresden)
- 11.10** What is the impact of real-world data? (K. Berger-Thürme, München)
- 11.30** Clinical challenges of tumor agonistic therapies (B. Westphalen, München)
- 11.40** Regulatory aspects for clinical implementation of novel diagnostic tools (T. Bartl, CE plus)
- 12.00** High throughput drug screens (R. Rad, München)
- 12.10** Discussion
Snacks

SUMMARY SESSION – ACADEMIA MEETS INDUSTRY

Chairs: B. Westphalen, A. Saborowski, M. Quante

- 13.00** Panel Discussion to define a meeting outcome and prepare statement for publication
- 14.00** Poster Prize and Final remarks (B. Westphalen, A. Saborowski, M. Quante)

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