

8th LANGENDORFF - Symposium

LUNG CANCER: INNOVATIVE DIAGNOSIS AND TREATMENT



Dear colleagues, dear patients,

Continuing the fruitful research cooperation in the tradition of Hanns Langendorff, we are honored to invite you to the 8th Langendorff Symposium in Freiburg!

The past years in lung cancer research have yielded new therapeutic options. Due to a very strong interdisciplinary collaboration and research, the Medical Center – University of Freiburg is one of the leading centers in treating lung cancer in Germany. Recently, we have successfully completed two prospective trials sponsored by German Cancer Aid: 1) STRIPE (PI: A.-L. Grosu) evaluated the role of SBRT in inoperable lung lesions. 2) PET-Plan (PI: U. Nestle), a multi-center randomized trial, compared FDG-PET and CT for target volume delineation in patients treated with definitive radiochemotherapy for locally advanced lung cancer. We would be honored to discuss these interesting results with you.

The symposium will be a platform for presenting new interdisciplinary, translational aspects in the evolving field of lung cancer. Focal points will include diagnosis, functional and biological imaging, immunology, targeted therapies, surgery, and radiation therapy.

Join a multidisciplinary reunion of specialists in an international contribution for improving clinical practice and providing optimal care for our patients!



Professor Anca-Ligia Grosu
Medical Director of the Department of Radiation Oncology



Professor Bernward Passlick
Medical Director of the Department of Thoracic Surgery



Professor Justus Duyster
Medical Director of the Department of Hematology, Oncology and Stem-Cell Transplantation

www.langendorff-symposium.de

INVITED SPEAKERS AND CHAIRS

Dr. Sonja Adebahr
Medical Center - University of Freiburg

Prof. Dr. Dimos Baltas
Medical Center - University of Freiburg

Prof. Dr. Fabian Bamberg
Medical Center - University of Freiburg

Prof. Dr. Michael Baumann
DKFZ Heidelberg

Prof. Dr. Claus Belka
University Hospital of LMU Munich

Prof. Dr. Michael Bock
Medical Center – University of Freiburg

Thomas R. Bortfeld, PhD, Prof.
Harvard Medical School / MGH, Boston MA (USA)

Prof. Dr. Wilfried Budach
Düsseldorf University Hospital

Prof. Dr. Stephanie Combs
TUM University Hospital Munich

Frank Detterbeck, MD, FACS, FCCP, Prof.
Yale School of Medicine, New Haven CT (USA)

Prof. Dr. Sven Diederichs
Medical Center – University of Freiburg

Dan G. Duda, DMD, PhD, Prof.
Harvard Medical School / MGH, Charlestown MA (USA)

Prof. Dr. Justus Duyster
Medical Center – University of Freiburg

Dr. Wilfried Eberhardt
Essen University Hospital

Prof. Dr. Rita Engenhart-Cabillic
University Medical Center Giessen

Dr. Sebastian Fährdrich
Medical Center - University of Freiburg

Prof. Dr. Rainer Fietkau
University Medical Center Erlangen

PD Dr. Jochen Fleckenstein
Saarland University Medical Center

Prof. Dr. Ute Ganswindt
Medical University of Innsbruck (AT)

Dr. Eleni Gkika
Medical Center – University of Freiburg

Prof. Dr. Frank Griesinger
Cancer Center Oldenburg

Prof. Dr. Anca-Ligia Grosu
Medical Center – University of Freiburg

Prof. Dr. Matthias Guckenberger
University Hospital Zürich (CH)

Prof. Dr. Karin S. Kapp
Medical University of Graz (AT)

PD Dr. Gian Kayser
Medical Center - University of Freiburg

Dr. Simon Kirste
Medical Center – University of Freiburg

Prof. Dr. Peter Kneschaurek
TUM University Hospital Munich

Feng-Ming Kong, MD, PhD, FACP
IU Simon Cancer Center, Indianapolis (USA)

Dr. Cécile Le Pechoux
Institut Gustave Roussy, Villejuif (FR)

Eric Lim, MB, ChB, MD, MSc, FRCS(C-Th), Prof.
The Royal Brompton Hospital, London (UK)

Prof. Dr. Peter Lukas
Medical University of Innsbruck (AT)

Dr. Farkhad Manapov
University Hospital of LMU Munich

Prof. Dr. Michael Mix
Medical Center – University of Freiburg

Prof. Dr. Gabriele Multhoff
TUM University Hospital Munich

Prof. Dr. Ursula Nestle
Maria Hilff Clinic Mönchengladbach

PD Dr. Dr. Nils H. Nicolay
Medical Center – University of Freiburg

Prof. Dr. Gabriele Niedermann
Medical Center – University of Freiburg

Prof. Dr. Mattia Falchetto Osti
University of Rome „La Sapienza“ (IT)

Bernard J. Park, MD, Prof.
Memorial Sloan Kettering Cancer Center New York (USA)

Prof. Dr. Bernward Passlick
Medical Center – University of Freiburg

Prof. Dr. Christoph Peters
Medical Center – University of Freiburg

Dr. Justyna Rawluk
Medical Center – University of Freiburg

Prof. Dr. Stefan Rieken
University Hospital Heidelberg

Andreas Rimner, MD, Prof.
Memorial Sloan Kettering Cancer Center, New York (USA)

Dr. Severin Schmid
Medical Center – University of Freiburg

Prof. Dr. Heinz Schmidberger
University Medical Center Mainz

Dr. Martin Sebastian
University Hospital Frankfurt

Prof. Dr. Dr. h.c. Horia Sirbu, FECTS
University Medical Center Erlangen

Prof. Dr. Dr. Egbert F. Smit
VU University Medical Centre Amsterdam (NL)

Prof. Dr. Martin Stuschke
Essen University Hospital

Prof. Dr. Michael Thomas
University Hospital Heidelberg

Prof. Dr. Esther Troost
University Hospital Dresden

Prof. Dr. Paul Van Houtte
Jules Bordet Institute Brussels (BE)

Dr. Evert Van Limbergen
MAASTRO Clinic Maastricht (NL)

Bhadransain Vikram, MD
National Cancer Institute / NIH, Rockville MD (USA)

Prof. Dr. Cornelius Waller
Medical Center – University of Freiburg

Prof. Dr. Wolfgang A. Weber
TUM University Hospital Munich

Prof. Dr. Frederik Wenz
Medical Center – University of Freiburg

Prof. Dr. Martin Werner
Medical Center – University of Freiburg

Prof. Dr. Jürgen Wolf
University Hospital Cologne

Prof. Dr. Daniel Zips
University Hospital Tübingen

Stand bei Drucklegung
Herausgeber: Universitätsklinikum Freiburg | Strahlenheilkunde | © 2019
Redaktion: Universitätsklinikum Freiburg | Strahlenheilkunde
Gestaltung: Medienzentrum | UKF

LANGENDORFF COMMITTEE

Prof. Dr. Anca-Ligia Grosu
RA Uwe Krieger
Prof. Dr. Dr. h.c. Christoph Reiners
Prof. Dr. Michael Molls
Prof. Dr. Thorsten Bley
Prof. Dr. Dr. h. c. Hermann Frommhold
Dr. Kurt G. Hering
Prof. Dr. Hans-Ulrich Langendorff
Prof. Dr. Dr. Philipp Tobias Meyer
Prof. Dr. Ursula Nestle
Prof. Dr. Dr. h. c. Christian Streffer
Prof. Dr. Wolfgang Weiss
Dr. Gerd Krieger

ORGANIZER

Dr. Eleni Gkika
Vice Chair, Department of Radiation Oncology
University of Freiburg
Phone: +49 (0) 761 270 94580
eleni.gkika@uniklinik-freiburg.de

Eva Hermann
Research Coordinator, Department of Radiation Oncology
University of Freiburg
Phone: +49 (0) 761 270 94911
eva.hermann@uniklinik-freiburg.de

Department of Radiation Oncology,
Department of Thoracic Surgery,
Department of Hematology, Oncology and Stem-Cell Transplantation
Medical Center – University of Freiburg (Germany)

CONTACT

Elke Bühner
Congress Organizer
Phone: +49 (0) 761 270 19210
elke.angela.buehrer@uniklinik-freiburg.de

CONFERENCE VENUE

Lecture Hall Department of Obstetrics and Gynecology
Medical Center – University of Freiburg
Hugstetter Str. 55 | 79106 Freiburg | Germany

CONFERENCE FEE

Registration fee: EUR 150,-
Conference Dinner: EUR 50,-

REGISTRATION AND ABSTRACT SUBMISSION

www.langendorff-symposium.de

SPONSORS

www.uniklinik-freiburg.de/langendorff-symposium/sponsors-and-exhibitors



8th LANGENDORFF - Symposium

LUNG CANCER: INNOVATIVE DIAGNOSIS AND TREATMENT



DEPARTMENT OF RADIATION ONCOLOGY
DEPARTMENT OF THORACIC SURGERY
DEPARTMENT OF HEMATOLOGY, ONCOLOGY
AND STEM-CELL TRANSPLANTATION
Medical Center - University of Freiburg/Germany

MARCH 22ND - 23RD 2019

Location: Lecture Hall
Department of Obstetrics and Gynecology



PROGRAM Friday, March 22nd, 2019

8:00-8:15 **REGISTRATION, COFFEE/TEA**

8:15-8:25 **OPENING CEREMONY / GREETING REMARKS**

Anca-L. Grosu
 Chair of the Department of Radiation Oncology, Freiburg
 Chair of the Hanns Langendorff Foundation Committee
 Frederik Wenz
 Chief Medical Officer, Medical Center
 University of Freiburg

8:25-8:45 **OPENING KEY NOTE LECTURE**

Chair: Eleni Gkika (Freiburg)
Radiation oncology & lung cancer: Opportunities and challenges
 Bhadrasain Vikram (Rockville MD)

8:45-9:05 **KEY NOTE LECTURE**

Chair: Anca-L. Grosu (Freiburg)
PET-Plan Study
Optimizing the radiation therapy planning in patients with locally advanced inoperable NSCLC using F-18-FDG
 Ursula Nestle (Freiburg/Mönchengladbach)

9:05-9:15 **SHORT BREAK**

9:15-11:15 **LOCALLY ADVANCED NSCLC: IIIA / IIIB**

Chairs: Ute Ganswindt (Innsbruck), Bernward Passlick (Freiburg)

9:15 **Optimal treatment in stage III/N2? From a surgeon's perspective**

Eric Lim (London)

9:35 **Salvage surgery in the therapy of locally advanced lung carcinoma**

Horia Sirbu (Erlangen)

9:55 **Optimal treatment in stage III/N2? From a radiation oncologist's perspective**

Martin Stuschke (Essen)

10:15 **pN2 to irradiate or not to irradiate?**

Cécile Le Pechoux (Villejuif)

10:35 **Dose-escalation in NSCLC? What have we learned so far**

Andreas Rimner (New York)

10:55 **The role of immunotherapy in stage III**

Eleni Gkika (Freiburg)

11:15-11:30 **COFFEE/TEA AND INDUSTRY EXHIBITION**

11:30-12:50 **(OLIGO)-METASTATIC NSCLC**

Chairs: Peter Lukas (Innsbruck), Dimos Baltas (Freiburg)

11:30 **Oligometastatic state in NSCLC: Does it exist?**

Wilfried Eberhardt (Essen)

11:50 **Targeted therapies in combination with SBRT**

Matthias Guckenberger (Zürich)

12:10 **Treatment of patients with OMD and early primary tumors**

Severin Schmid (Freiburg)

12:30 **Combination of immunotherapies with radiotherapy in the oligometastatic setting**

Evert Van Limbergen (Maastricht)

12:50-13:10 **KEY NOTE LECTURE**

Chair: Claus Belka (Munich)

STRIPE study

Sonja Adebahr (Freiburg)

13:10-14:10 **LUNCH**

POSTER SESSION AND INDUSTRY EXHIBITION

Sonja Adebahr (Freiburg),

Tanja Schimek-Jasch (Freiburg)

14:10 –15:10 **EARLY STAGE NSCLC**

Chairs: Rita Engenhardt-Cabillic (Gießen/Marburg), Rainer Fietkau (Erlangen)

14:10 **Minimal-invasive surgery for early stage lung cancer: Low risk and excellent long term outcome**

Bernward Passlick (Freiburg)

14:30 **Robotic surgery for lung cancer: Is this the future?**

Bernard J. Park (New York)

14:50 **Radiosurgery (single fraction radiotherapy) in lung tumors**

Mattia Osti (Rome)

15:10-15:25 **COFFEE/TEA AND INDUSTRY EXHIBITION**

15:25-17:45 **IMAGING AND RADIOMICS**

Chairs: Stephanie Combs (Munich), Peter Kneschaurek (Munich)

15:25 **PET CT - new developments - future perspectives?**

Wolfgang Weber (Munich)

15:45 **Development and clinical application of radiomics in lung cancer**

Fabian Bamberg (Freiburg)

16:05 **Digital PET: Prospects for higher accuracy in biological radiation therapy planning**

Michael Mix (Freiburg)

16:25 **Metabolic tumor response using FDG PET CT after multimodal therapy of locally-advanced lung cancer. How and when?**

Farkhad Manapov (Munich)

16:45 **Technical developments of MRI for lung lesions**

Michael Bock (Freiburg)

17:05 **The impact of DW-MRI in the radiotherapy planning of NSCLC**

Jochen Fleckenstein (Homburg)

19:00 **DINNER AND AWARD CEREMONY**

Hanns-Langendorff-Award 2019

Christoph Reiners (Würzburg)

Hermann-Frommhold-Award 2019

Hermann Frommhold (Freiburg)

Marc-Benjamin-Messmer-Award 2019

Eleni Gkika (Freiburg)

PROGRAM Saturday, March 23rd, 2019

8:45-10:45 **DIAGNOSIS, BIOLOGY AND PATHOLOGY**

Chairs: Daniel Zips (Tübingen), Martin Werner (Freiburg)

8:45 **The role of pulmonary function testing in the treatment of lung cancer**

Sebastian Fähndrich (Freiburg)

9:05 **Liquid and tissue biopsy in tumor classification and therapy prediction**

Gian Kayser (Freiburg)

9:25 **Molecular determinants of lung adenocarcinoma metastasis and epigenetic therapy response**

Sven Diederichs (Freiburg)

9:45 **Heat shock proteins**

Gabriele Multhoff (Munich)

10:05 **Radiation and tumor immunotherapy**

Gabriele Niedermann (Freiburg)

10:25 **Biomarkers in lung cancer**

Daniel G. Duda (Boston)

10:45-11:05 **KEY NOTE LECTURE**

Chair: Christoph Peters (Freiburg)

Changing landscape in oncology - What will radiation oncologists do in 25 years?

Michael Baumann (Heidelberg)

11:05-11:35 **COFFEE/TEA AND INDUSTRY EXHIBITION**

11:35-12:15 **PROTON THERAPY IN LUNG CANCER**

Chairs: Nils H. Nicolay (Freiburg), Simon Kirste (Freiburg)

11:35 **Proton therapy in lung cancer - A physicist point of view**

Thomas Bortfeld (Boston)

11:55 **Proton therapy in lung cancer - A radiation oncologist point of view**

Esther Troost (Dresden)

12:15-12:35 **KEY NOTE LECTURE**

Chair: Justus Duyster (Freiburg)

The evolving role of immunotherapy in the treatment of lung cancer

Egbert F. Smit (Amsterdam)

12:35-13:35 **LUNCH**

POSTER SESSION AND INDUSTRY EXHIBITION

Sonja Adebahr (Freiburg),

Tanja Schimek-Jasch (Freiburg)

13:35-14:55 **SYSTEMIC TREATMENTS**

Chairs: Karin Kapp (Graz), Wilfried Budach (Düsseldorf)

13:35 **Targeted therapies in NSCLC: ALK/ROS**

Michael Thomas (Heidelberg)

13:55 **Targeted therapies in NSCLC: EGFR**

Cornelius Waller (Freiburg)

14:15 **CRISP in NSCLC**

Frank Griesinger (Oldenburg)

14:35 **Molecular profiling in lung cancer: German Network Genomic Medicine (nNGM)**

Jürgen Wolf (Cologne)

14:55-15:10 **COFFEE/TEA AND INDUSTRY EXHIBITION**

15:10-16:50 **THE OPTIMAL TREATMENT FOR SCLC**

Chairs: Justyna Rawluk (Freiburg), Heinz Schmidberger (Mainz)

15:10 **Surgery for patients with SCLC: An underused option**

Frank Detterbeck (New Haven)

15:30 **New treatment approaches in the systemic therapy of SCLC**

Martin Sebastian (Frankfurt)

15:50 **The role of chest radiation in the management of SCLC**

Paul Van Houtte (Brussels)

16:10 **Is there a role for PCI in the metastatic disease?**

Stefan Rieken (Heidelberg)

16:30 **BigART: Biology Guided Adaptive Radiation Therapy in lung cancer**

Feng-Ming Kong (Indianapolis)

16:50 **CLOSING REMARKS**