“CCC-TRIO - Translational Research & Immuno-Oncology 2021”

Symposium des Comprehensive Cancer Center Vienna®
“Precision Medicine Meets Immunotherapy”

Date: April 16th-17th, 2021

Venue: Virtual

Scientific Committee:

Walter Berger  Michael Bergmann  Catharina Dreßler
Ulrich Jäger  Lukas Kenner  Heinz Kölbl
Shahrokh Shariat  Maria Sibilia  Joachim Widder

Keynote Speakers:

Douglas Hanahan, Institut suisse de recherche expérimentale sur le cancer (ISREC)/École polytechnique fédérale de Lausanne (EPFL), Lausanne
Alberto Mantovani, Humanitas University, Milan
Thomas Tüting, University Hospital Magdeburg, Magdeburg
Henning Walczak, University of Cologne, Germany and University College London

Oliver Bischof, Institut Pasteur, Paris
Fortunato Ciardiello, Vanvitelli University, Naples
David Heery, University of Nottingham, Nottingham
Gerald Höfler, Medical University of Graz, Graz
Daniel Kelly, Cardiff University, Cardiff
Diether Lambrechts, Vlaams Instituut voor Biotechnologie (VIB) Leuven, Leuven
Anna Obenauf, Research Institute of Molecular Pathology, Vienna
Jenny Perrson, Umeå University, Umea
Šárka Pospíšilová, Masaryk University, Brno
Clemens Schmitt, Kepler University Hospital, Linz
Zlatko Trajanoski, Medical University of Innsbruck, Innsbruck
Suzanne Turner, University of Cambridge, Cambridge
Henning Walczak, Universities of Cologne and London, Cologne and London
Wolfgang Weninger, Medical University of Vienna, Vienna
Dominik Wolf, Medical University of Innsbruck, Innsbruck
Peter Wolf, Medical University of Graz, Graz
**Friday, April 16th, 2021**

09.00 - 09.05  Welcome – Joachim Widder, Head of the CCC
09.05 - 09.10  Welcome - Markus Müller, Rector of the Med Univ Vienna

**9.10 – 10.55 Session I  Innate Immunity and Cancer**
Chairs: Walter Berger, Giulio Superti-Furga  
MedUni Vienna, CeMM, Vienna

**9.10 - 9.50 CCC KEYNOTE LECTURE I**  
Alberto Mantovani, Humanitas University, Milan  
"Innate immunity, inflammation and cancer: double edged swords"  
Web live discussion 10 minutes

09.50 - 10.05  Christoph Bock, CeMM/MedUni Wien  
"Programming cells for therapy"  
Live discussion, 3 minutes

10.05 - 10.30  Anna Obenauf, Research Institute of Molecular Pathology, Vienna  
"Understanding the molecular evolution of tumors during therapy"  
Live discussion, 5 minutes

10.30 - 10.55  Wolfgang Weninger, MedUni Vienna  
"A novel macrophage precursor in adult bone marrow"  
Live discussion, 5 minutes

10.55 – 11.00  Break

**11.00 – 12.35 Session II  Immune Landscape in Cancer - I**
Chairs: Oliver Strobel, Michael Trauner  
MedUni Vienna/Vienna General Hospital

11.00 - 11.25  Fortunato Ciardiello, Vanvitelli University, Naples  
"Immunotherapy for colorectal cancer: challenges for therapeutic efficacy"  
Web live discussion 5 minutes

11.25 - 11.40  Michael Bergmann, MedUni Vienna, Vienna  
"Interaction between therapy and tumor microenvironment in colorectal cancer"  
Live discussion, 3 minutes

11.40 – 11.55  Gerald Prager, MedUni Vienna, Vienna  
"The role of immunotherapy in gastric and esophageal cancers"  
Live discussion, 3 minutes

11.55 – 12.10  Matthias Pinter, MedUni Vienna, Vienna  
"Immunotherapy for hepatocellular carcinoma - recent advances"  
Live discussion, 3 minutes
12.10 – 12.35 Zlatko Trajanoski, MedUni Innsbruck
"Informing precision immuno-oncology using patient avatars"
Web live discussion 5 minutes

12.35 – 12.40 Break

12.40 – 14.25 Session III Immune Landscape in Cancer - II
Chairs: Lukas Kenner, Ullrich Jaeger
MedUni Vienna/Vienna General Hospital

12.40 – 13.05 Clemens Schmitt, Kepler University Hospital, Linz
"Adaptive immune control of senescence-prone DLBCL subtypes"
Web live discussion 5 minutes

13.05 - 13.30 Peter Wolf, MedUni Graz
"Photochemotherapy of cutaneous T cell lymphoma (CTCL): translational results from a clinical study"
Web live discussion 5 minutes

13.30 – 13.45 Peter Valent, MedUni Vienna
"Overcoming the multiple forms of LSC resistance in Ph+ CML"
Live discussion, 3minutes

13.45 – 14.00 Lukas Kazianka, MedUni Vienna
"Hematopoietic master regulator PU.1 directs monocyte subset homeostasis and bone marrow niche alterations in myelodysplastic syndrome (MDS)"
Live discussion, 3minutes

14.00 – 14.25 Šárka Pospíšilová, Masaryk University, Brno
"Role of TP53 and immunoglobuline genes mutation status in clonal evolution of chronic lymphocytic leukemia"
Web live discussion 5 minutes

14.25 -14.30 Break

14.30 – 15.50 Session IV Signaling Mechanisms in Cancer
Chairs: Gabriela Kornek, Shahrokh Shariat
MedUni Vienna/Vienna General Hospital

14.30 – 14.55 Jenny Persson, Umeå University
"New therapeutic strategies for treatment of metastatic cancer"
Web live discussion 5 minutes

14.55- 15.10 Gero Kramer, MedUni Vienna
Immunotherapy for metastatic prostate cancer: check or bite
Live discussion, 3minutes
15.10 – 15.25 Maximilian Marhold, MedUni Vienna
Mechanisms of second generation androgen receptor antagonist resistance in neuroendocrine prostate cancer
Live discussion, 3 minutes

15.25 – 15.50 David Heery, University of Nottingham
“PIPK1A at the intersection of PI3K and androgen signaling pathways in prostate cancer”
Web live discussion 5 minutes

15.50 - 15.55 Break

15.55 – 17.35 Session V Young CCC – Opportunities Arise
Chairs: Joachim Widder, Heinz Kölbl
MedUni Vienna/Vienna General Hospital

15.55 - 16.10 Shahrokh Shariat, MedUni Vienna
"15 tips for a successful career as a physician researcher"
Live discussion, 3 minutes

16.10 - 16.25 Petra Heffeter, MedUni Vienna
"How to be successful as a researcher - the power of networking"
Live discussion, 3 minutes

16.25 – 16.40 Stephan Polterauer, MedUni Vienna
"How patient care benefits from a comprehensive cancer center" (pre-recorded) 12+3

16.40 – 16.55 Johannes Gojo, MedUni Vienna
"Young CCC - Be part of it! A new role for young investigators in the CCC"
Live discussion, 3 minutes

16.55 - 17.35 CCC KEYNOTE LECTURE II
Chairs: Renate Kain, Maria Sibilia
MedUni Vienna/Vienna General Hospital

Douglas Hanahan, Institut suisse de recherche expérimentale sur le cancer (ISREC)/ École polytechnique fédérale de Lausanne (EPFL), Lausanne
"Epigenetic signaling pathways controlling invasion and metastasis"
Web live discussion 10 minutes

17.35 End
**Saturday, April 17th, 2021**

**09.00 – 10.35**  Session VI  Novel Therapeutic Options and Developments I  
Chairs: Beate Lichtenberger, Wolfgang Weninger  
MedUni Vienna/Vienna General Hospital

09.00 - 09.40  CCC KEYNOTE LECTURE III  
*Thomas Tüting, University Hospital Magdeburg*  
"Mechanisms of cancer immunotherapy resistance: lessons from melanoma“  
Web live discussion 10 minutes

09.40 - 09.55  Verena Paulitschke, MedUni Vienna  
"Identification of novel markers to predict response to anti-PD-1 immunotherapy in melanoma applying proteomics"  
Live discussion, 3 minutes

09.55 - 10.10  Martina Sanlorenzo, MedUni Vienna  
"Combined oral and topical TLR7/8 agonists treatment promotes effective in-situ tumor vaccination and synergizes with PD1 checkpoint blockage."  
Live discussion, 3 minutes

10.10 – 10.35  Christoph Höller MedUni Vienna  
"Progress in immunotherapy for melanoma“  
Live discussion, 5 minutes

**10.35 - 10.40**  Break

**10.40 – 12.30**  Session VII  Novel Therapeutic Options and Developments II  
Chairs: Ingrid Pabinger, Marco Idzko  
MedUni Vienna/Vienna General Hospital

10.40 - 11.05  Dominik Wolf, MedUni Innsbruck  
"Targeting inflammation in myeloproliferative neoplasms (MPN)“  
Web live discussion 5 minutes

11.05 - 11.30  Gerald Höfler, MedUni Graz  
"Adipose triglyceride lipase (ATGL) deficiency causes lung adenocarcinoma - potential mechanisms involved“  
Web live discussion 5 minutes

11.30 - 11.45  Sabine Zöchbauer-Müller, MedUni Wien  
"Immunotherapy in lung cancer - who shall get it?“  
Live discussion, 3 minutes

11.45 - 12.00  Georg Vucak, Max Perutz Labs, Vienna  
"Not your average kinases - moonlighting functions of ERK pathway components“  
Live discussion, 3 minutes
12.00 – 12.30  **CCC PERSPECTIVE LECTURE**  
Chair: Harald Titzer, Sonja Schneeweiss  
Vienna General Hospital

*Daniel Kelly, Cardiff University*  
“The changing nature of cancer nursing”  
Web live discussion 5 minutes

12.30 - 12.35  **Break**

12.35 – 13.55  **Session VIII  Novel Targets, Markers and Molecular Guided Therapies I**  
Chairs: Wilfried Ellmeier, Heinz Kölbl  
MedUni Vienna/Vienna General Hospital

12.35 - 13.00  **Walter Berger, MedUni Vienna**  
"Dissecting FGFR signaling modules in pediatric and adult brain tumor progression"  
Live discussion 5 minutes

13.00 - 13.15  **Christian Singer, MedUni Vienna**  
“The role of genetics in breast cancer care”  
Live discussion 3 minutes

13.15 – 13.30  **Elmar Joura, MedUni Vienna**  
“HPV vaccination prevents invasive cervical cancer”  
Live discussion 3 minutes

13.30 - 13.55  **Oliver Bischof, Institut Pasteur, Paris**  
“Breaking the S-ENescence CODE: Towards Senescence Reversal and Therapeutic Opportunities”  
Web live discussion 5 minutes

13.55 - 14.00  **Break**

14.00 – 17.30  **Session IX  Novel Targets, Markers and Molecular Guided Therapies II**  
Chairs: Thomas Helbich, Petra Heffeter  
MedUni Vienna/Vienna General Hospital

14.00 - 14.25  **Diether Lambrechts, VIB Leuven**  
“Single-cell profiling of the tumor microenvironment during checkpoint immunotherapy”  
Web live discussion 5 minutes

14.25 - 14.40  **Manuela Schmidinger, MedUni Vienna**  
“Biology driven, individual treatment decisions in metastatic renal cell carcinoma”  
Live discussion 3 minutes
14.40 – 14.55 Eva Comperat, MedUni Vienna
“Pathology at the crossroad to personalized medicine”
Live discussion 3 minutes

14.55 – 15.20 Marcus Hacker, MedUni Vienna
“Theranostics in precision medicine”
Live discussion 5 minutes

15.20 – 15.45 Suzanne Turner, University of Cambridge
“Applying CRISPR screens to uncover mechanisms of drug resistance in paediatric cancer”
Web live discussion 5 minutes

15.45 – 16.25 CCC KEYNOTE LECTURE IV
Chair: Joachim Widder, Maria Sibilia
Affiliation
Henning Walczak, University of Cologne, Germany and University College London
“Cell death and inflammation in (auto-)immunity and cancer”
Web live discussion 10 minutes

16.25 – 16.30 Wrap up and presentation of the CCC Poster Award*
* €5000/€3000/€2000 dedicated to research funding

16.30 End

This event will be approved by the Austrian Medical Chamber with 14 DFP-Points.