



Universitätsklinikum Essen

UNIVERSITÄT
DUISBURG
ESSEN

Open-Minded



Annual Retreat 2019

4th – 5th November 2019

DJH Bonn, Haager Weg 42, 53127 Bonn

Guest Speakers:

Prof. Dr. Christian Pallasch

PD Dr. Marc Stemmler (FAU Erlangen-Nürnberg)

Prof. Dr. Arturo Zychlinsky (MPI Berlin)

BIOME Cores:

Infectious Diseases

Tumour and Signalling

Cellular and Molecular Immunology



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Monday, 4th November

7:21	RE from Essen Hbf → 9:36 Arrival at DJH Bonn
10:00	Opening
10:30	Student talks session 1
11:30	Talk by Prof. Dr. Christian Pallasch (Universitätsklinikum Köln) Macrophages in the lymphoma microenvironment – a therapeutic target
12:30	Lunch
13:30	Talk by PD Dr. Marc Stemmler (University Erlangen-Nürnberg) Cell plasticity as key driver of metastasis
14:30	Poster session 1; meanwhile coffee break
16:00	Student talks session 2
17:00	Poster session 2
18:30	Short break, time to freshen up
19:00	Joint walk to the dinner location Restaurant Waldau
19:30	Arrival at Waldau; reception with drinks and dinner
Open End	Return from dinner, calm get-together in the DJH room “Kamin”

Tuesday, 5th November

from 8:00	Breakfast
9:00	Talk by Prof. Dr. Arturo Zychlinsky (MPI Berlin) NETs: the second function of chromatin
10:00	Poster session 3
11:30	Open discussion
12:00	Lunch
13:00	Student talks session 3
14:00	Vote on the student talks
14:15	Conclusion & Awards (45min)



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Addresses:

DJH Bonn
Haager Weg 42
53127 Bonn

Restaurant Waldau
An der Waldau 50
53127 Bonn

Contacts:

Delia Cosgrove
Julia Volke
Natalie Wossidlo
Jonas Schuhenn

delia.cosgrove@uni-due.de
julia.volke@uk-essen.de
natalie.wossidlo@uk-essen.de
jonas.schuhenn@stud.uni-due.de



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Guest Speakers:

Prof. Dr. Christian Pallasch (Uniklinikum Köln)

Macrophages in the lymphoma microenvironment – a therapeutic target

PD Dr. Marc Stemmler (FAU Erlangen-Nürnberg)

Cell plasticity as key driver of metastasis

Prof. Dr. Arturo Zychlinsky (MPI Berlin)

NETs; the second function of chromatin

Talks Infectious Diseases:

Stefan Schefczyk

Primary hepatocytes from HBV-transgenic mice exhibit an altered responsiveness to poly(I:C) treatment in vitro

Mira Alt

Antibody-based interventions against infections with the human cytomegalovirus (HCMV)

Philip Podschwadt

Identifying immunosuppressive sequences in retroviral envelope proteins

Helene Sertznig

Interferon-induced alteration of the cellular splicing machinery and its influence on HIV-1 replication



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Talks Tumour and Signalling:

Yiyang Chen

Acute myeloid leukemia induced remodeling of the human bone marrow niche predicts clinical outcome

Lukas Peiffer

Immunomodulation by BRAF-MEK inhibitor treatment causes an altered TCR repertoire usage of TILs in melanoma

Oliver Dräger

The neuronal cell adhesion molecule L1CAM offers new strategies for human retinoblastoma therapy

Daria Frank

The Role of GFI1 in Genome Stability

Cellular and Molecular Immunology:

Arthur Kibler

The development, homing and retention of human splenic marginal zone B cells changes with age

Jagoda Szlachetko

Inside the tumor microenvironment: Who is helping tumor with progression and metastasis

Erik Lange

Interplay between the gut microbiota, immunity and colon cancer

Lena Gockeln

Neuropilin-1 and regulatory T cells as therapeutic targets for radiation-induced pulmonary fibrosis



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Poster session 1 (14:30-16:00)

Posternumber	Nachname	Vorname	Titel	Core
1	Adegboye	Yetunde	Abundance and Immunogenicity of two viruses, namely Pithovirus lacustris and Urceolovirus corneum	Immunology
2	Cibir	Zülal	Unraveling the phenotypic coevolution of melanoma cells and neutrophils fostering metastasis and therapy resistance	Tumour and Signalling
3	Antuamwine	Benedict	The immunoregulatory activity of tumor associated neutrophils in murine tumor models	Immunology
4	Duan	LiYan	CCN3 signaling is dysregulated in placental diseases preeclampsia and Placenta increta	Tumour and Signalling
5	Bronischewski	Kevin	Molecular and Functional Analysis of Human B Cell Populations from Newborns at Single Cell Level	Immunology
6	Egetemaier	Stefanie	Epigenetic-metabolic reprogramming as a universal survival strategy in therapy resistant tumor cell phenotypes	Tumour and Signalling
7	Domnich	Maksim	Tumor-derived exosomes influence the activity of neutrophils in head and neck cancer	Immunology
8	Merz	Simon	Identification and quantification of hidden melanoma metastases in human sentinel lymph nodes using light sheet fluorescence microscopy	Tumour and Signalling
9	Febriana	Gabriella	Investigations into roles of thyroid hormones in Graves' Orbitopathy in experimental mouse models	Immunology
10	Freund	Nico	The effect of human mesenchymal stem/stromal cells on CD34+ cell maintenance and differentiation in vitro	Immunology
11	Lull	Christopher	Analysis of the cellular and humoral immune response to the BK-Virus of healthy individuals and immunosuppressed patients	Infectious Diseases
12	Herrera Rios	Dayana	Mouse model development for the study of melanoma brain metastases microenvironment	Immunology
13	Miroschnikov	Natalia	How to deal with (cross)-resistant retinoblastoma cells	Tumour and Signalling
14	Hörster	Keven	Knockout of HLA class I in primary NK cells – towards a 'one-fits-all' immunotherapy	Immunology
15	Ho	Cassandra	Patient-derived lung cancer cell models for prediction of individual therapy response	Tumour and Signalling
16	Klingen	Robin	Characterization of a human cytomegalovirus- encoded agonist of innate immunity	Infectious Diseases
17	Hrvat	Antonio	Functionalized Bioceramic Nanoparticles: A Novel Combination of Gene and Immunotherapy for Cancer	Immunology
18	Montero Vergara	Jetsy Karina	Characterization of the molecular mechanism of autophagy inhibition by HER2	Tumour and Signalling



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Poster session 2 (17:00-18:30)

Posternumber	Nachname	Vorname	Titel	Core
1	Langer	Mona-May	The importance of extracellular vesicles in liver cirrhosis and acute-on-chronic liver failure	Immunology
2	Leserer	Saskia	Cytomegalovirus reactivation kinetics correlate with survival and relapse after allogeneic hematopoietic cell transplantation for hematologic malignancies	Immunology
3	Maaßen	Fabienne	Mechanistic effects of human cytomegalovirus infection on the immunogenicity of allogeneic human leukocyte antigen DP molecules	Infectious Diseases
4	Lill	Julia	Macrophages mediate neutrophil recruitment and glomerular injury in Shiga toxin-induced Hemolytic Uremic Syndrome through TNF α	Immunology
5	Mörchen	Britta	Novel therapeutic agent against mutant K-RAS influences immune checkpoint PD-1 expression in vitro.	Tumour and Signalling
6	Martins Nascentes	Luiza	Role of neutrophils in the progression of malignant melanoma	Immunology
7	Murugasan	Venkatesh	Diagnostic utility and functional analysis of extracellular vesicles from the different stages of Head and Neck Cancer	Tumour and Signalling
8	Meurer	Thuja	Insights into the regulation of T cell alloreactivity to HLA-DP in hematopoietic stem cell transplantation	Immunology
9	Niepötter	Lilian	Molecular pathogenesis of Hodgkin lymphoma	Tumour and Signalling
10		Yanis	Immortalization strategies for human mesenchymal stromal cells	Immunology
11	Patnana	Pradeep Kumar	The Role of Growth factor Independence 1 in Acute Myeloid Leukemic metabolism	Tumour and Signalling
12	Pietrek	Julia	Generation of antigen-specific regulatory T cells (Tregs) using chimeric antigen receptors as a treatment of autoimmune hepatitis (AIH)	Immunology
13	Rao	Shoab	Identifying Novel EV Markers in HSPC	Tumour and Signalling
14	Siakaeva	Elena	Type I interferons modulate tumorigenic activity of neutrophils via altered emergency granulopoiesis	Immunology
15	Schnormeier	Ann-Kathrin	to be announced	Immunology
16	Schützold	Vera	The role of the factor-inhibiting HIF (FIH) in a mouse model of colitis-induced colorectal cancer	Tumour and Signalling
17	Sichelschmidt	Stefanie	Impact of regulatory cytokines on acute-on-chronic liver failure (ACLF)	Immunology
18	Steens	Jennifer	In vitro generation of therapeutically active vascular-wall typical mesenchymal stem cells (VW-MSCs) from human induced pluripotent stem cells (iPSCs)	Tumour and Signalling
19	Wossidlo	Natalie	Gene-Dosage Insufficiency of Mybl2 Confers a Competitive Advantage to Mouse HSPCs In Vitro	Tumour and Signalling



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Poster session 3 (10:00-11:30)

Posternumber	Nachname	Vorname	Titel	Core
1	Stambouli	Oumaima	Effect of leukemia- and lymphoma cell line cell-derived extracellular vesicles on cell fate specification of human hematopoietic stem and progenitor cells	Immunology
2	Stupia	Simone	Defining the role of CIITA in tumor cell-intrinsic and CD4+ T cell-induced phenotype switching and therapy resistance	Immunology
3	Boog-Whiteside	Eva	Targeting the inflammatory response in acute myeloid leukemia	Tumour and Signalling
4	Faro	Francesca	Experimental Modeling of therapeutic Inhibition and Enhancement of Hyper- and Hypo-immue activity, respectively, in Sepsis	Immunology
5	Zhao	Ben	TFEB-mediated lysosomal biogenesis and lysosomal drug sequestration confer resistance to MEK inhibition in pancreatic cancer	Tumour and Signalling
6	Peller	Vicky	Profiling function/phenotype of tumor-infiltrating T cells for guidance of melanoma salvage therapy in immune-checkpoint-blockade resistant patients	Immunology
7	Ullrich	Vivien	Targeting clonally expanding drug-resistant tumor cells in recurrent glioblastoma	Tumour and Signalling
8	Tertel	Tobias	Analyses of the impact of pH and salt concentrations on the integrity and recovery of extracellular vesicles	Immunology
9	Weiß	Annika	CRISPR/Cas9-mediated Knockout of CD30 reveals toxic effects in classical Hodgkin lymphoma cell lines	Tumour and Signalling
10	Thier	Beatrice	RIG-I activation enhances melanoma immunogenicity and improves anti-tumor T cell responses in combination with anti-PD1 immune checkpoint blocking antibodies	Immunology
11	Schuhenn	Jonas	IFN α subtype-specific susceptibility of HBV in the course of infection	Infectious Diseases
12	Wang	Baoxiao	Development of a spheroid model to study the interaction of tumor-infiltrating immune cells	Immunology
13	Weber	Leonie	Generation of antigen-specific regulatory T cells (Tregs) using chimeric antigen receptors as a treatment of Type 1 Diabetes (T1D)	Immunology
14	Tüns	Alicia	Detection of Lung Cancer Fusion Genes by Nanopore Sequencing	Tumour and Signalling
15	Wichmann	Finn	The role of hypoxia-inducible-factors on the microbial composition of mice with analysis of functional consequences	Immunology
16	Yang	Jiajin	Orthotopic and subcutaneous syngenic models of pancreatic ductal adenocarcinoma and different responses to immunotherapy and chemotherapy	Tumour and Signalling
17	Wieber	Karoline	The dopaminergic pathway: A potential approach to counteract pro-inflammatory B cells in rheumatoid arthritis	Immunology
18	Westmeier	Jaana	Effects of macrophage migration inhibitory factor on virus-induced regulatory T cells in retroviral infection	Infectious Diseases



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