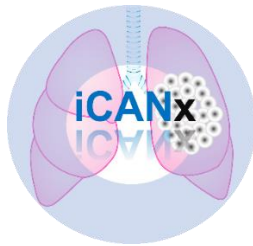


Program of the  
**2<sup>nd</sup> Retreat of the**



**Research Cluster**



Cancer - Lung (Disease) Crosstalk:  
Tumor and Organ Microenvironment

**Rauischholzhausen Castle**

**October 6<sup>th</sup> – 7<sup>th</sup>, 2022**





LOEWE research cluster iCANx  
Cancer - Lung (Disease) Crosstalk:  
Tumor and Organ Microenvironment



**LOEWE**

Exzellente Forschung für  
Hessens Zukunft

## **W-LAN**

(only in the castle building)



! eduroam should work here as well !



## Thursday, October 6<sup>th</sup>, 2022

---

**09:15 - 10:00 Arrival, registration: Junior Researchers**  
(PhD Students, Postdocs, Clinician  
scientists, Medical students, ...)

**10:00 - 12:00 Get-together Junior Researchers**

~ **12:30 Lunch**

**12:00 - 13:00 Arrival, registration: PIs**  
**Everyone: Hotel check-in**

**13:15 - 13:20 Welcome: *Till Acker***

**13:20 - 14:35 Session Area A**

13:20 **Project A1: *Isabelle Salwig***

“Assessing the tumorigenic potential of  
bronchioalveolar stem cells (BASCs) in  
lung cancer“

13:35 **Project A2: *Aya Alserw***

“The metabolic control of lung carcinomas  
and metastases by the lung  
microenvironment“

13:50 **Project A3: *Thorsten Stiewe***

“A CRISPR view of the TP53 mutome“

14:05 **Project A4: *Elke Pogge von Strandmann***

“The role of tumor cell derived extracellular  
vesicles for lung metastasis“

14:20 **Project A5: *Kati Turkowski***

“Single-cell RNA sequencing reveals  
heterogeneity and plasticity of tumor  
associated macrophages in lung cancer“

**14:35 - 15:00 Coffee break**



## Thursday, October 6<sup>th</sup>, 2022

---

### 15:00 - 16:15 **Session Area B**

15:00 **Project B1:** *Nuray Böğürçü-Seidel*

“The role of COPD in lung cancer and metastasis”

15:15 **Project B2:** *José Alberto Rodríguez Castillo*

“Malignant-cell-independent PD-1/PD-L1 interactions in the non-small cell lung cancer microenvironment”

15:30 **Project B3:** *Sandra Medrano García*

“Th9 cells in pulmonary hypertension”

15:45 **Project B4:** *Soni Savai Pullamsetti*

“The role of fibrocytes in lung fibrosis and lung cancer”

16:00 **Project B5:** *Tilman Borggreve*

“Characterization of Notch modulators in the context of lung fibrosis and cancer”

### 16:15 - 16:45 **Group photo & Fresh air break**

### 16:45 - 18:30 **Poster Session**

16:45 Even Poster Numbers

17:40 Odd Poster Numbers

**from 18:30 Dinner**



## Friday, October 7<sup>th</sup>, 2022

---

- 07:30 - 09:00 Breakfast and check-out**
- 09:15 - 10:00 Session Area C and Z Projects**
- 09:15 **Project Z1: *Guilherme Targino Valente***  
“Bioinformatics infrastructure and data warehouse”
- 09:30 **Project Z2: *Öznur Çetin***  
“Mimicking Tumor-Infection Niche by Bronchioalveolar Lung Organoids”
- 09:45 **Area C: *Sascha Seidel***  
“The role of spatio-temporal dynamics of the lung (tumor) microenvironment”
- 10:00 - 10:15 Coffee break**
- 10:15 - 10:45 General assembly**
- 10:45 - 11:00 Closing remarks and departure**
- 11:00 - 12:00 Steering Committee meeting**



## Poster List

#	Proj.	Name	Poster Title
1	A1	Isabelle Salwig	Assessing the tumorigenic potential of bronchioalveolar stem cells (BASCs) in lung cancer
2	A2	Aya Alserw	The metabolic control of lung carcinomas and metastases by the lung microenvironment
3	A3-a	Katharina Kochhan and Nastasja Merle	Advanced preclinical CRISPR mouse models for lung cancer research
4	A3-b	Thorsten Stiewe (Julia Funk)	High-throughput characterization of the <i>TP53</i> mutome using saturating CRISPR mutagenesis
5	A4	Elke Pogge von Strandmann	The role of tumor cell derived extracellular vesicles for lung metastasis
6	A5	Kati Turkowski	Single-cell RNA sequencing reveals heterogeneity and plasticity of tumor associated macrophages in lung cancer
7	B1	Nuray Böğürçü-Seidel	The role of COPD in lung cancer and metastasis
8	B2	José Alberto Rodríguez Castillo	Malignant-cell-independent PD-1/PD-L1 interactions in the non-small cell lung cancer microenvironment
9	B3	Sandra Medrano García	Th9 cells in pulmonary hypertension
10	B4	Soni Savai Pullamsetti	The role of fibrocytes in lung fibrosis and lung cancer
11	B5-a	Mats Leon Laun	The role of Notch1 signaling in NSCLC cell lines depending on the fibrotic stem cell niche in idiopathic pulmonary fibrosis
12	B5-b	Tilman Borggrefe	Characterization of Notch modulators in the context of lung fibrosis and cancer



#	Proj.	Name	Poster Title
13	<b>C</b>	Sascha Seidel	The role of spatio-temporal dynamics of the lung (tumor) microenvironment
14	<b>Z1</b>	Guilherme Targino Valente	BCU repository: the cloud based web frontend to access and explore CPI omics datasets
15	<b>Z2</b>	Öznur Çetin	Mimicking Tumor-Infection Niche by Bronchioalveolar Lung Organoids













LOEWE research cluster iCANx  
Cancer - Lung (Disease) Crosstalk:  
Tumor and Organ Microenvironment



**LOEWE**

Exzellente Forschung für  
Hessens Zukunft

### **Important Info:**

Please always acknowledge LOEWE-iCANx in every publication where iCANx funding was used!

You may use a phrase like this one:

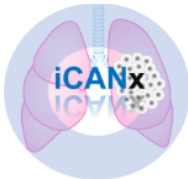
“This work was supported by the Hessian Ministry of Higher Education, Research, Science and the Arts as part of the LOEWE research cluster iCANx.”

## **LOEWE Research Cluster „iCANx: Cancer – Lung (Disease) Crosstalk: Tumor and Organ Microenvironment”**

**Speaker:** Prof. Dr. Till Acker

**Vice Speakers:** Prof. Dr. Thorsten Stiewe and  
Prof. Dr. Rajkumar Savai

**Admin. Coordinator:** Nadja Ritschel



Web: <https://www.uni-giessen.de/icanx>

E-mail: [icanx@uni-giessen.de](mailto:icanx@uni-giessen.de)

Phone: +49 641 99 30508 (Nadja Ritschel)