

**CRC1213 Seminar Series, funding period 2020-2023: dates and speakers**

*guest speakers marked in blue*

Date - Place	Speaker – Institution	Title
2021-03-09 *	Christoph Hamm, Oliver Dörr, JLU Gießen (B07)	Specific biomarker of maladaptive right ventricular remodeling
	Christoph Liebetrau, Eckhard MayerKerckhoff Campus of the Justus Liebig University , Peter Dorfmüller, JLU Gießen (CP01)	Impact of pulmonary endarterectomy (PEA) on the transcriptional landscape of right ventricle
2021-03-23 *	H.Ardeschir Ghofrani, Khodr Tello, JLU Gießen (B08)	Selective biomarkers for right heart hypertrophy and failure
	Birgit Aßmus, JLU Gießen (B09N)	Mechanisms of pulmonary vascular and right ventricular remodelling in heart failure with preserved ejection fraction
2021-04-23	Baktybek Kojonazarov	Phenotyping of pulmonary hypertension and cor pulmonale
2021-05-04 *	Rainer Schulz, Klaus-Dieter Schlüter, JLU Gießen (B05)	Right ventricular hypertrophy: Can new rat models lead to novel treatment options
	Soni Savai-Pullamsetti, JLU Gießen (A01)	FoxO transcription factors in PH: critical integrators of multiple signaling pathways driving right ventricular remodeling
2021-05-25 *	Thomas Braun MPI, Bad Nauheim, Saverio Bellusci, JLU Gießen (A02)	Deciphering the role of BMP9-BMP10 and YAP-TEAD signaling in vascular smooth muscle heterogeneity and pulmonary hypertension
	Saverio Bellusci, Elie El Agha, JLU Gießen (A04)	Origin and fate of vascular myofibroblasts and smooth muscle cells during pulmonary vascular remodeling and reverse remodelling
2021-06-08 *	Soni Savai-Pullamsetti, JLU Gießen, Uta-Maria Bauer, UMR Marburg (A05)	Epigenetic reactivation of embryonic mesen-chymal transcriptional networks in adult pulmonary arterial hypertension
	Natascha Sommer, Norbert Weißmann, JLU Gießen (A06)	The role of mitochondrial ROS for development of hypoxia-induced pulmonary hypertension
2021-07-06 *	Peter Dorfmüller, JLU Gießen	Checking patterns: similarities and differences to the eye in various lung pathologies as a rationale for transcriptomics and single-cell biology
2021-08-31 *	Hossein Ardeschir Ghofrani, JLU Gießen, Martin Wilkins, IC London (A09)	Role of Angptl4 in pulmonary hypertension
	Rajkumar Savai, Natascha Sommer, JLU Gießen (A10)	Inflammatory lung microenvironment in lung cancer-associated pulmonary hypertension

2021-09-14 *	Sven Reischauer, JLU Gießen, Didier Stainier MPI Bad Nauheim (B01)	A dual role for Interleukin-11 signaling to limit fibrotic scarring while promoting regenerative reprogramming after tissue damage
	Thomas Braun, Xuejun Yuan, MPI Bad Nauheim (B02)	Epigenetic regulation of cardiopulmonary diseases and regeneration: the role of Suv4-20h1
2021-09-14 *	Susanne Rohrbach, Michael Kracht, Lienhard Schmitz, JLU Gießen (B03)	Changes in chromatin organization and protein networks in right heart failure: update
2021-10-26 *	Achim Lother, Heart Center Freiburg University	Vascular mineralocorticoid receptors and their role in pulmonary hypertension
2021-11-09 *	Christoph Maack, University Clinic Würzburg	Mitochondrial redox regulation in heart failure
2021-11-23 *	Maya Kumar, University Stanford, USA	Single cell approaches to understand neointimal lesion formation and growth in a mouse model of pulmonary hypertension
2022-01-25 *	Miguel A. Alejandre Alcázar, JLU Gießen	Perinatal determinants of cardiopulmonary health
2022-02-15 *	Ralph Schermuly, Tatyana Novoyatleva, JLU Gießen (B04)	Multifunctional contribution of Smyd2 signalling to cardiac disease and regeneration
	Rainer Schulz, Klaus-Dieter Schlüter, JLU Gießen (B05)	Does cell-type specific silencing of MAO-B interfere with the development of right ventricle (RV) hypertrophy or RV failure in pulmonary hyper-tension? – First results
2022-03-01 *	Sakthivel Sadayappan, University of Cincinnati College of Medicine, USA	Vasohibin-1 Mediates Target Organ Damage in Youth with Primary Hypertension
2022-03-15 *	Elena Goncharova, Department of Internal Medicine, University of California Davis, USA	Friend or Foe? HIPPO signaling in pulmonary hypertension
2022-05-10 *	Soni Savai-Pullamsetti, JLU Gießen (A01)	FoxO transcription factors in PH: critical integrators of multiple signaling pathways driving pul-monary vascular and right ventricular remodeling
	Thomas Braun MPI Bad Nauheim, Saverio Bellusci, JLU Gießen (A02)	Deciphering the role of BMP9-BMP10 and YAP-TEAD signaling in vascular smooth muscle heterogeneity and pulmonary hypertension
2022-05-24 *	Saverio Bellusci, Elie El Agha, JLU Gießen (A04)	GLI1+ mesenchymal stromal cells is a key contributor to neo-muscularization in pulmonary hypertension and an important cellular therapeutic target
	Soni Savai-Pullamsetti, JLU Gießen, Uta-Maria Bauer, UMR Marburg (A05)	Regulatory network of histone modifications in human pulmonary arterial hypertension
2022-10-21	Norbert Weissmann, Natascha Sommer, JLU Gießen (A06)	Sensing and signaling events underlying development and recovery of hypoxia-induced pulmonary hypertension
	Christoph Hamm, Oliver Dörr, JLU Gießen (B07)	Selective biomarkers for right heart hypertrophy and failure

2022-11-25	Lan Zhao from Imperial College London	Targeting metabolic dysfunction in PH
2022-11-25	Norbert Weissmann, JLU (A07)	iNOS and NoxO-1-based redox signaling - a trigger for the inflammatory events leading to COPD-PH?
2022-06-07 *	Ryan J. Tedford, Medical University of South Carolina, USA	Assessment of Right Ventricular Function: The Role of RV-PA Coupling and Reserve
2023-01-13	Michael Guckert, Technische Hochschule Mittelhessen	Pattern Recognition in Medical Data
	Birgit Assmus, JLU Gießen (B09N)	Mechanisms of pulmonary vascular and right ventricular remodeling in heart failure with preserved ejection fraction
2023-02-24	Irene Lang, Medical University of Vienna	Pathophysiology of chronic thromboembolic pulmonary hypertension
	Christoph Liebetrau, Eckhard Mayer, Peter Dorfmüller, JLU Gießen (CP01)	RV morphometry and correlations
	Christoph Hamm, Oliver Dörr, JLU Gießen (B07)	Transcriptomic profiling reveal new molecular subgroups of right ventricle remodeling in chronic thromboembolic pulmonary hypertension
2023-03-31	Daniel Dumitrescu, Universitätsklinik der Ruhr-Universität Bochum	Virtual medicine in the management of left and right heart failure
	Ralph Schermuly, Friedrich Grimminger, JLU Gießen (A08)	PBMCs as indicators for disease and drug responsiveness in pulmonary hypertension
2023-05-05	Gabor Kovacs, Medizinische Universität Graz	The evidence behind the new definition of PH
	Hossein Ardeschir Ghofrani, Khodr Tello, JLU Gießen (B08)	Relevance of cardiopulmonary Interaction

\*via Webex conference