

51	Msheik, Zahraa	lncRNA19 - a major regulator of cellular responses to hypoxia in the lung	Pullamsetti, Gi	
52	Nandigama, Rajender	Spatial signatures in the EGFR/KRas mutation-driven lung cancer	Savai, Gi	
53	Nurlygaianov, Ilyas	Regulation of brain endothelial barrier properties by hormonal cues in health and disease	Liebner, GU	
54	cancelled			
55	Petrovic, Aleksandar	Carbonic anhydrases 9 and 12 inhibition diminishes monocrotaline-induced pulmonary hypertension in rats	Schermuly, Gi	
56	Selle, Jaco	Perinatal obesity induces premature alveolar aging by ATII cell depletion via IL-6-driven transcriptional and genome instability	Alcazar, Gi	Teasersession 2
57	Sharma, Vinita	Exploring the early-stage pathomechanism of pulmonary hypertension in COPD: Insights into initial pulmonary vascular remodeling	Weissmann, Gi	
58	Wagner, Julian	Vascular senescence controls the neuro-cardiac interface in the aging heart	Dimmeler, GU	Teasersession 2
59	Wu, Cheng-Yu	Promising New Avenues for COPD Therapy: Targeting CEACAM6/HO-1 Axis to Alleviate Nitrosative/oxidative Stress	Weissmann, Gi	
60	Yamdjeu Tchokondo, Ornella	Murine voltage-gated potassium channel Kv1.5 co-expressed with Kvβ1.1 or Kvβ1.4 subunits is inhibited by hypoxia	Weissmann, Gi	
Hubs and New Technologies, Chair: Marek Bartkuhn & Jaya Krishnan				
61	Ashrafiyan, Shamim	GAZE-Shiny: comprehensive and interactive visualization of transcriptional regulation in singlecell resolution	Schulz, GU	
62	Baumgarten, Nina	A statistical approach to identify regulatory DNA variations combined with epigenomics data reveals novel non-coding disease genes	Schulz, GU	
63	Behjati, Fatemeh	Assessment of supervised methods for lncRNA function prediction from expression data	Schulz, GU	
63a	Capon, Samuel	Identification and mapping of a genetic modifier of the Fibronectin mutant phenotype in zebrafish	Stainier, BN	
64	Cetin, Ronay	EXCI-Seq: CRISPR-based DNA excision screening coupled to single-cell transcriptomics	Kaulich, GU	
65	Das, Arka-Provo	Modelling Kearns-Sayre Syndrome cardiomyopathy in human cardiac organoids	Krishnan, GU	
66	Förster, Frank	openBIS extensions for encrypted storage of sensitive data and secure workflow execution	Goesmann, Gi	
67	Glaser, Rolf David	Single cell transcriptomics of mouse lungs after smoke exposure	Bartkuhn, Gi	
68	Hecker, Dennis	Using the generalized Activity-By-Contact score to explore enhancer-gene interactions: an application to <i>Dot1l</i> ablation	Schulz, GU	
69	Husnjak, Koralijka	Frankfurt CRISPR-Cas Screening Center (FCSC): gene editing in Frankfurt	Kaulich, GU	
70	Kracht group	A common gene signature of the right ventricle in failing rat and human hearts	Kracht, Gi	
71	Maji, Ranjan Kumar	Time series analysis reveals interesting dynamics of microRNA arms in induced myocardial infarction	Schulz, GU	
72	Nardiello, Claudio	Alteration of ferroptosis marker in pulmonary hypertension	Sommer, Gi	
73	Pham, Duc Minh	Generation of engineered cardiac ventricular tissue enhances capability of resolving cardiovascular diseases	Krishnan, GU	Teasersession 2
74	Rumpf, Laura	Predicting gene-specific regulation with transcriptomic and epigenetic single-cell data	Schulz, GU	
75	Süsser, Sebastian	A functional genomics pipeline to associate function to microproteins (miPs)	Kaulich, GU	
76	Vásquez-Pacheco, Esmeralda	An in vitro model to study myofibroblast and lipofibroblasts differentiation	Bellusci, Gi	
77	Wang, Yue	Modelling and Drug Discovery of Clonal Hematopoiesis of Indeterminate Potential (CHIP)-driven Cardiovascular Disease in Self-organizing Cardiac Organoids (SCOs)	Krishnan, GU	
78	Zehr, Simonida	Gene-COCoA: comparative co-expression analysis focussed on a gene of interest	Brandes, GU	
79	Zheng Brouwers, Jinyang	Biglycan triggers the recruitment of Th1 and Th17 cells into the kidney through the TLR2/4/MyD88/TRIF-signaling pathway	Schäfer, GU	