

DZL Academy Publication Award 2023

1st place

Erfinanda L, Zou L, Gutbier B, Kneller L, Weidenfeld S, Michalick L, Lei D, Reppe K, Teixeira Alves LG, Schneider B, Zhang Q, Li C, Fatykhova D, Schneider P, Liedtke W, Sohara E, Mitchell TJ, Gruber AD, Hocke A, Hippenstiel S, Suttorp N, Olschewski A, Mall MA, Witzernath M, Kuebler WM. Loss of endothelial CFTR drives barrier failure and edema formation in lung infection and can be targeted by CFTR potentiation. *Sci Transl Med.* 2022 Dec 7;14(674):eabg8577. doi: 10.1126/scitranslmed.abg8577.

2nd place

Merle N, Elmshäuser S, Strassheimer F, Wanzel M, König AM, Funk J, Neumann M, Kochhan K, Helmprobst F, Pagenstecher A, Nist A, Mernberger M, Schneider A, Braun T, Borggreffe T, Savai R, Timofeev O, Stiewe T. Monitoring autochthonous lung tumors induced by somatic CRISPR gene editing in mice using a secreted luciferase. *Mol Cancer.* 2022 Oct 3;21(1):191. doi: 10.1186/s12943-022-01661-2.

Shared 3rd place

Alashkar Alhamwe B, Gao Z, Alhamdan F, Harb H, Pichene M, Garnier A, El Andari J, Kaufmann A, Graumann PL, Kesper D, Daviaud C, Garn H, Tost J, Potaczek DP, Blaser MJ, Renz H. Intranasal administration of *Acinetobacter lwoffii* in a murine model of asthma induces IL-6-mediated protection associated with cecal microbiota changes. *Allergy.* 2023 May;78(5):1245-1257. doi: 10.1111/all.15606. Epub 2022 Dec 11.

Chen Y[#], Toth R[#], **Chocarro S[#]**, Weichenhan D, Hey J, Lutsik P, Sawall S, Stathopoulos GT, Plass C, Sotillo R. Club cells employ regeneration mechanisms during lung tumorigenesis. *Nat Commun.* 2022 Aug 5;13(1):4557. doi: 10.1038/s41467-022-32052-2.

Evaluation Criteria

- Translational potential and/or impact of the work described in the paper
- Proof of originality of concept and idea in respective research field
- Innovation: Likelihood that reported findings will advance field
- Quality of written statement/translational, where the relevance is aptly described
- Evidence of original contribution to the publication by the applicant

DZL Academy Publication Award Committee 2023

- Professor Silke Meiners (ARCN)
- Dr. med. Da-Hee Park (BREATH)
- Dr. Herbert Schiller (CPC-M)
- Dr. med. Konstantina Kontogianni (TLRC)
- Professor Elie El Agha (UGMLC)

Further applicants in alphabetical order:

Degering J, Egenlauf B, Harutyunova S, Benjamin N, Salkić A, Xanthouli P, Eichstaedt CA, Seeger R, Sitbon O, Grünig E. Tolerability, safety and survival in patients with severe pulmonary arterial hypertension treated with intravenous epoprostenol (Veletri®): a prospective, 6-months, open label, observational, non-interventional study. *Respir Res.* 2023 Jan 18;24(1):18. doi: 10.1186/s12931-022-02296-z.

Li Q, Zhu L, von Stackelberg O, Triphan SMF, Biederer J, Weinheimer O, Eichinger M, Vogelmeier CF, Jörres RA, Kauczor HU, Heußel CP, Jobst BJ, Wielpütz MO; COSYCONET Study Group. MRI Compared with Low-Dose CT for Incidental Lung Nodule Detection in COPD: A Multicenter Trial. *Radiol Cardiothorac Imaging.* 2023 Apr 27;5(2):e220176. doi: 10.1148/ryct.220176.

Pallenberg ST, Pust MM, Rosenboom I, Hansen G, Wiehlmann L, Dittrich AM, Tümmler B. Impact of Elexacaftor/Tezacaftor/Ivacaftor Therapy on the Cystic Fibrosis Airway Microbial Metagenome. *Microbiol Spectr.* 2022 Oct 26;10(5):e0145422. doi: 10.1128/spectrum.01454-22. Epub 2022 Sep 26.

Palm V, Norajitra T, von Stackelberg O, Heussel CP, Skornitzke S, Weinheimer O, Kopytova T, Klein A, Almeida SD, Baumgartner M, Bounias D, Scherer J, Kades K, Gao H, Jäger P, Nolden M, Tong E, Eckl K, Nattenmüller J, Nonnenmacher T, Naas O, Reuter J, Bischoff A, Kroschke J, Rengier F, Schlamp K, Debic M, Kauczor HU, Maier-Hein K, Wielpütz MO. AI-Supported Comprehensive Detection and Quantification of Biomarkers of Subclinical Widespread Diseases at Chest CT for Preventive Medicine. *Healthcare (Basel).* 2022 Oct 29;10(11):2166. doi: 10.3390/healthcare10112166.

Kastlmeier MT, Gonzalez Rodriguez E, Cabanis P, Guenther¹ EM, König A-C, Han L, Hauck SM, See F, Asgharpour S, Bukas C, Burgstaller G, Piraud M, Lehmann M, Hatz RA, Behr J, Stoeger T, Hilgendorff A* and **Voss C***. Cytokine signaling converging on IL11 in ILD fibroblasts provokes aberrant epithelial differentiation signatures. *Frontiers in Immunology*: accepted for publication.

Wu C-Y, Cilic A, Pak O, Dartsch RC, Wilhelm J, Wujak M, Lo K, Brosien M, Zhang R, Alkoudmani I, Witte B, Pedersen F, Watz H, Voswinckel R, Günther A, Ghofrani HA, Brandes RP, Schermuly RT, Grimminger F, Seeger W, Sommer N, Weissmann N*, and Hadzic S*. CEACAM6 as a Novel Therapeutic Target to Boost HO-1-mediated Antioxidant Defense in COPD. *American Journal of Respiratory and Critical Care Medicine*: accepted for publication.