

## Curriculum Vitae

**Stefan Hadzic** Dr. rer. nat.  
d.o.b. November 24<sup>th</sup>, 1991, in Cetinje, Montenegro

### University Education

2016-2022 Doctorate in Natural Sciences, Justus Liebig University Giessen (JLU), Germany  
2014-2015 Master of Science in Experimental Biomedicine, Faculty of Biology, University of Belgrade, Serbia  
2010-2014 Bachelor of Molecular Biology and Physiology, Faculty of Biology, University of Belgrade, Serbia

### Scientific Career

Since 2026 Excellence Cluster Cardio-Pulmonary Institute (CPI) Equal Opportunities Committee member  
Since 2026 Editorial Board member at the American Journal of Respiratory Cell and Molecular Biology (AJRCMB)  
Since 2025 Deputy Director of the International Graduate Program Molecular Biology and Medicine of the Lung (MBML), JLU  
Since 2025 American Thoracic Society (ATS) Pulmonary Circulation Program Committee Member  
Since 2025 Early Career Research Group Leader at CPI, JLU  
2024 - 2025 Early career Editorial Board Fellow at the American Journal of Physiology-Lung Cellular and Molecular Physiology (AJP-Lung)  
Since 2023 Elected Coordinator of DZL Disease Area COPD (part of the three-member committee)  
Since 2023 Tutor and committee member at the International Graduate Programme Molecular Biology and Medicine of the Lung (MBML)  
2023 (Jul, Nov) Visiting Scientist at Max-Planck Heart and Lung Laboratory (IbioBA), Buenos Aires, Argentina  
2022–2025 Postdoctoral Researcher at JLU, Germany

### Awards and Honors

2025 Presentation price “Therapeutic advances for lung repair derived from preclinical emphysema models” at the German Respiratory Section E3 (Tobacco Prevention and Health Promotion), Autumn Meeting 2025  
2024 European Respiratory Society Bursary to attend the 22<sup>nd</sup> ERS Lung Science Conference “Development of Chronic Lung Diseases” and give an oral presentation “Developmental FGF10 in pathogenesis and reversion of emphysema and PH in COPD”  
2024 DZL Academy Publication Award 2024 (2<sup>nd</sup> place) for FGF10 reverses cigarette smoke- and elastase-induced emphysema and PH in mice - Eur Respir J. 2023  
2022 Poster award, Cardio-Pulmonary Institute (CPI) Retreat  
2018 Poster award, 7th DZL Annual Meeting  
2017 Poster award, Symposium of the Excellence Cluster Cardio-Pulmonary System (ECCPS)  
2015, 2016, 2018 Travel awards, International Graduate Programme Molecular Biology and Medicine of the Lung (MBML)

### Citation Record

Total citations: 751; h-index: 18; h-index since 2021: 18 (Google Scholar April 4<sup>th</sup>, 2026)

## Top-10 selected Publications

**Hadzic S.**, Wu C-Y., Gredic M., Pak O., Kraut S., Baktybek Kojonazarov B., Wilhelm J., Brosien M., Bednorz M., Seimetz M., Gunther A., Kosanovic D., Sommer N., Warburton D., Grimminger F., Ghofrani H. A., Schermuly R.T., Seeger W., El Agha E., Bellusci S\* and Weissmann N\*. \*equal contribution. FGF10 reverses CS- and elastase-induced emphysema and PH in mice. **Eur Respir J** 2023; 62(5):2201606; doi: 10.1183/13993003.01606-2022

**Hadzic S.**, Wu C-Y., Gredic M., Kojonazarov B., Pak O., Kraut S., Sommer N., Kosanovic D., Grimminger F., Schermuly R. T., Seeger W., Bellusci S. and Weissmann N. The effect of long-term doxycycline treatment in a mouse model of CS-induced emphysema and pulmonary hypertension. **Am J Physiol Lung Cell Mol Physiol** 2021; 320(5):L903-L915; doi: 10.1152/ajplung.00048.2021

Wu C-Y., Cilic A., Pak O., Dartsch R. C., Wilhelm J., Wujak M., Lo K., Zhang R., Alkoudmani I., Witte B., Pedersen F., Watz H., Voswinckel R., Günther A., Ghofrani H. A., Brandes R. P., Schermuly R. T., Grimminger F., Seeger W., Sommer N., Weissmann N.\* and **Hadzic S.\*** \*equal contribution. CEACAM6 as a Novel Therapeutic Target to Boost HO-1-mediated Antioxidant Defense in COPD. **Am J Respir Crit Care Med** 2023; 207(12):1576-1590; doi: 10.1164/rccm.202208-1603OC

Gredic M., Wu C.-Y., **Hadzic S.**, Pak O., Savai R., Kojonazarov B., Doswada S., Weiss A., Weigert A., Guenther A., Brandes R. P., Schermuly R. T., Grimminger F., Seeger W., Sommer N., Kraut S., and Weissmann N. (2022). Myeloid cell-specific deletion of inducible nitric oxide synthase protects against smoke-induced pulmonary hypertension in mice. **Eur Respir J.** 2022; 59(4):2101153; doi: 10.1183/13993003.01153-2021

Veith C.\* , Vartürk-Özcan I.\* , Wujak M., **Hadzic S.**, Wu C-Y., Knoepp F., Kraut S., Petrovic A., Gredic M., Pak O., Brosien M., Heimbrodt M., Wilhelm J., Weisel F., Malkmus K., Schäfer K., Gall H., Tello K., Kosanovic D., Sarybaev A., Günther A.; Brandes R.P., Seeger W., Grimminger F.; Ghofrani H. A., Schermuly R. T., Kwapiszewska G., Sommer N. and Weissmann N. \*equal contribution. Secreted protein acidic and rich in cysteine, a novel regulator of vascular cell function in pulmonary hypertension. **Circulation** 2022; 145(12):916-933; doi: 10.1161/CIRCULATIONAHA.121.057001

Seimetz M.\*, Sommer N.\*, Bednorz M.\*, Pak O., Veith C., **Hadzic S.**, Gredic M., Parajuli N., Kojonazarov B., Kraut S., Wilhelm J., Knoepp F., Henneke I., Pichl A., Kanbagli Z. I., Wu C-Y., Klepetko W., Jaksch P., Eichstaedt C., Grünig E., Hinderhofer K., Geiszt M., Müller N., Rezende F., Buchmann G., Wittig I., Hecker M., Hecker A., Padberg W., Dorfmueller P., Gattenlöhner S., Vogelmeier C. F., Günther A., Karnati S., Baumgart-Vogt E., Schermuly R. T., Ghofrani H. A., Seeger W., Schröder K., Grimminger F., Brandes R. P. and Weissmann N. \*equal contribution. NADPH oxidase subunit NOXO1 is a target for emphysema treatment in COPD. **Nat Metab** 2020; 2(6):532-546; doi: 10.1038/s42255-020-0215-8

Kojonazarov B.\* , **Hadzic S.\***, Ghofrani H. A., Grimminger F., Seeger W., Weissmann N. and Schermuly R. T. \*equal contribution. Severe Emphysema in the SU5416/Hypoxia Rat Model of Pulmonary Hypertension. **Am J Respir Crit Care Med** 2019; 200(4):515-518; doi: 10.1164/rccm.201902-0390LE

Czyrek A. A., Baran K., Hrubá E., Horackova A., Bosakova V., Chudzian J., Fafilek B., Laskova V., Stepankova V., Bednar D., Karl K., Kasperek P., Bosakova M., Killinger M., Sztokowska T., Prochazka J., Zieba J. T., Rico-Llanos G., Fric J., **Hadzic S.**, Loku E., Wujak M., Svozilova K., Stroblova M., Sedlacek R., Hristova K., Krakow D., Kubovciak J., Delattre M., Bartoszewski R., Buchtova M., Krowarsch D., Chaloupkova R., Zakrzewska M. and Krejci P. Increased thermal stability of FGF10 leads to ectopic signaling during development. **Cell Mol Life Sci** 2025; 82:167; doi: 10.1007/s00018-025-05681-1

Fysikopoulos A., Seimetz M., **Hadzic S.**, Knoepp F., Wu C-Y., Malkmus K., Wilhelm J., Pichl A., Bednorz M., Tadele Roxlau E., Ghofrani H. A., Sommer N., Gierhardt M., Schermuly R. T., Seeger W., Grimminger F., Weissmann N. and Kraut S. Amelioration of elastase-induced lung emphysema and reversal of pulmonary hypertension by pharmacological iNOS inhibition in mice. **Br J Pharmacol.** 2021; 178(1):152-171; doi: doi.org/10.1111/bph.15057

Chu X., Kheirollahi V., Lingampally A., Chelladurai P., Valasarajan C., Vazquez-Armendariz A. I., **Hadzic S.**, Khadim A., Pak O., Rivetti S., Wilhelm J., Bartkuhn M., Crnkovic S., Moiseenko A., Heiner M., Kraut S., Atefi L. S., Koepke J., Valente G., Ruppert C., Braun T., Samakovlis C., Alexopoulos I., Looso M., Chao C-M., Herold S., Seeger W., Kwapiszewska G., Huang X., Zhang J-S., Pullamsetti S. S., Weissmann N., Li X., El Agha E. and Bellusci S. GLI1+ Cells Contribute to Vascular Remodeling in Pulmonary Hypertension. **Circ Res.** 2024; 134(11):e133-e149; doi: 10.1161/CIRCRESAHA.123.323736