

Curriculum Vitae

Marija Gredić PhD
d.o.b. September 07th, 1991, in Belgrade, Serbia

University Education

2022 PhD, JLU
2021 Giessen Graduate Centre for the Life Sciences (GGL), JLU
2019 Molecular Biology and Medicine of the Lung (MBML), Justus Liebig University Giessen (JLU)
2015 MSc in Molecular biology and physiology, Faculty of Biology, University of Belgrade, Serbia
2014 BSc in Biology, Faculty of Biology, University of Belgrade, Serbia

Scientific Career

Since 2024 Early Career Research Group Leader at JLU
Since 2022 Postdoctoral researcher at JLU
2016-2022 PhD student at Justus Liebig University, Giessen, Germany
2015 Master student at Institute of Molecular Genetics and Genetic Engineering (IMGGE), University of Belgrade, Serbia
2014 Amgen Scholar at Ludwig-Maximilian University, Munich, Germany

Awards and Honors

2022 Deutsche Gesellschaft für Pneumologie und Beatmungsmedizin (DGP) Forschungspreis Grundlagenforschung
2022 Dr. Herbert Stolzenberg Publication Award for Research in the Life Sciences
2018 MBML Travel Award
2017 MBML Travel Award
2015 Award of the foundation "Goran Ljubijankić" – The best master thesis in the class of 2015 in the field of molecular biology
2014 Award of the University of Belgrade – Valedictorian in the class of 2014 at the Faculty of Biology

Citation Record

Total citations: 439; h-index:10; h-index since 2021: 10 (Google Scholar March 03rd, 2026)

Top-10 selected Publications

Hadzic S, Wu CY, **Gredić M**, Pak O, Loku E, Kraut S, Kojonazarov B, Wilhelm J, Brosien M, Bednorz M, Seimetz M, Günther A, Kosanovic D, Sommer N, Warburton D, Li X, Grimminger F, Ghofrani HA, Schermuly RT, Seeger W, El Agha E, Bellusci S, Weissmann N. Fibroblast growth factor 10 reverses cigarette smoke- and elastase-induced emphysema and pulmonary hypertension in mice. *Eur Respir J.* 2023; 2201606; doi: 10.1183/13993003.01606-2022.

Gredić M, Karnati S, Ruppert C, Guenther A, Avdeev SN, Kosanovic D. Combined Pulmonary Fibrosis and Emphysema: When Scylla and Charybdis Ally. *Cells.* 2023; 12:1278. <https://doi.org/10.3390/cells12091278>.

Roxlau ET, Pak O, Hadzic S, Garcia-Castro CF, **Gredić M**, Wu CY, Schäffer J, Selvakumar B, Pichl A, Spiegelberg D, Deutscher J, Bednorz M, Schäfer K, Kraut S, Kosanovic D, Zeidan EM, Kojonazarov B, Herold S, Strielkov I, Guenther A, Wilhelm J, Khalifa MMA, Taye A, Brandes RP, Hecker M, Grimminger F, Ghofrani HA, Schermuly RT, Seeger W, Sommer N, Weissmann N. Nicotine promotes e-cigarette vapour-induced lung inflammation and structural alterations. *Eur Respir J.* 2023, 27:2200951. doi: 10.1183/13993003.00951-2022. Epub ahead of print. PMID: 37105573.

Gredić M, Wu CY, Hadzic S, Pak O, Savai R, Kojonazarov B, Doswada S, Weiss A, Weigert A, Guenther A, Brandes RP, Schermuly RT, Grimminger F, Seeger W, Sommer N, Kraut S, Weissmann N. Myeloid-

cell-specific deletion of inducible nitric oxide synthase protects against smoke-induced pulmonary hypertension in mice. *Eur Respir J*. 2022; 59:2101153. doi: 10.1183/13993003.01153-2021.

Gredic M, Sharma V, Hadzic S, Wu C-Y, Pak O, Kojonazarov B, Kraut S, Duerr J, Mall MA, Schermuly RT, Grimminger F, Seeger W, Sommer N, Weissmann N. iNOS deletion in alveolar epithelium cannot reverse the elastase-induced emphysema in mice. *Cells*. 2022 Dec 28;12(1):125. doi: 10.3390/cells12010125.

Veith C, Vartürk-Özcan I, Wujak M, Hadzic S, Wu CY, Knoepp F, Kraut S, Petrovic A, **Gredic M**, Pak O, Brosien M, Heimbrod M, Wilhelm J, Weisel FC, Malkmus K, Schäfer K, Gall H, Tello K, Kosanovic D, Sydykov A, Sarybaev A, Günther A, Brandes RP, Seeger W, Grimminger F, Ghofrani HA, Schermuly RT, Kwapiszewska G, Sommer N, Weissmann N. SPARC, a Novel Regulator of Vascular Cell Function in Pulmonary Hypertension. *Circulation*. 2022; 145: 916-933. doi: 10.1161/CIRCULATIONAHA.121057001.

Hadzic S, Wu CY, **Gredic M**, Kojonazarov B, Pak O, Kraut S, Sommer N, Kosanovic D, Grimminger F, Schermuly RT, Seeger W, Bellusci S, Weissmann N. The effect of long-term doxycycline treatment in a mouse model of cigarette smoke-induced emphysema and pulmonary hypertension. *Am J Physiol Lung Cell Mol Physiol*. 2021 Mar 24. doi: 10.1152/ajplung.00048.221.

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 ZI, Scheibe S, Fysikopoulos A, Wu CY, 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 CF, Günther A, Karnati S, Baumgart-Vogt E, Schermuly RT, Ghofrani HA, Seeger W, Schröder K, Grimminger F, Brandes RP, Weissmann N. NADPH oxidase subunit NOXO1 is a target for emphysema treatment in COPD. *Nat Metab*. 2020; 2: 532-546. doi: 10.1038/s42255-020-0215-8.

Gredic M, Blanco I, Kovacs G, Helyes Z, Ferdinandy P, Olschewski H, Barberà JA, Weissmann N. Pulmonary hypertension in chronic obstructive pulmonary disease. *Br J Pharmacol*, 2020 Jan;178(1):132-151. doi: 10.1111/bph.14979.

Pichl A, Sommer N, Bednorz M, Seimetz M, Hadzic S, Kuhnert S, Kraut S, Roxlau ET, Kojonazarov B, Wilhelm J, **Gredic M**, Gall H, Tello K, Richter MJ, Pak O, Petrovic A, Hecker M, Schermuly RT, Grimminger F, Seeger W, Ghofrani HA, Weissmann N. Riociguat for treatment of pulmonary hypertension in COPD: a translational study. *Eur Respir J* 27;53(6):1802445, 2019. doi: 10.1183/13993003.02445-2018.