BAJRAKTARI-SYLEJMANI, GZONA, DR.RER.NAT

GENERAL INFORMATION

Post Doc
Heidelberg University Hospital, Department of Clinical Pharmacology and Pharmacoepidemiology
Im Neuenheimer Feld 410, 69120 Heidelberg, Germany

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ACADEMIC EDUCATION & QUALIFICATION

Year(s)	Education
2006-2011	Pharmacy studies at Prishtina University, Kosovo
2003-2006	Gymnasium 'Jeta e re' Suhareke, Kosovo (University entrance qualification)

SCIENTIFIC EDUCATION & QUALIFICATION

Year(s)	Education
2014-2019	Doctoral studies in Clinical Pharmacology at Heidelberg University, Germany

PROFESSIONAL EXPERIENCE

Year(s)	Education
Since 2021	Vice-head of the Molecular Biology/Biochemistry Lab of the Department of Clinical Pharmacology and Pharmacoepidemiology
Since 2019	Postdoctoral fellow in the Department of Clinical Pharmacology and Pharmacoepidemiology, Heidelberg University
2014-2019	Research associate at Heidelberg University Hospital, Department of Clinical Pharmacology and Pharmacoepidemiology
2012-2013	Pharmacist
2011	State examination in Pharmacy

OTHER QUALIFICATIONS/ROLES/RESPONSIBILITIES

Year(s)	
2023-2025	Olympia Morata Programm, Medical Faculty of Heidelberg University
2021	Course for University Didactics, Modul I+II (Flipped Classroom: Lehre in den Lebenswissenschaften)
2021	AMG-Grundlagenkurs für Prüfer/Stellvertreter und Mitglieder der Prüfgruppe (GCP)
2020-2023	Physician Scientist Program, Medical Faculty of Heidelberg University
2019	Doctoral Thesis, Dr. rer. nat., "summa cum laude"
2018	Qualification for Project leader for biological safety
2013-2016	Personal Scholarship for doctoral studies, Erasmus Mundus - Basileus IV

SELECTED PUBLICATIONS

1. Uhl P, Bajraktari-Sylejmani G, Witzigmann D, Bay C, Zimmermann S, Burhenne J, Weiss J, Haefeli WE, Sauter M. A nanocarrier approach for oral peptide delivery: Evaluation of cell-penetrating peptide modified liposomal formulations in dogs. **Adv Ther.** 2023 (in print)
2. Bajraktari-Sylejmani G, von Linde T, Burhenne J, Haefeli WE, Sauter M, Weiss J. Evaluation of PepT1 (SLC15A1) Substrate Characteristics of Therapeutic Cyclic Peptides. **Pharmaceutics** 2022;14:1610.
3. Bay C*, Bajraktari-Sylejmani G*, Haefeli WE, Burhenne J, Weiss J, Sauter M. Functional characterization of the solute carrier LAT-1 (SLC7A5/SLC2A3) in human brain capillary

endothelial cells with rapid UPLC-MS/MS quantification of intracellular isotopically labelled L-leucine. **Int J Mol Sci** 2022;23:3637. * equal contribution

4. Benzel J, Bajraktari-Sylejmani G, Uhl P, Davis A, Nair S, Pfister SM, Haefeli WE, Weiss J, Burhenne J, Pajtler KW, Sauter M. Investigating the central nervous system disposition of actinomycin D: implementation and evaluation of cerebral microdialysis and brain tissue measurements supported by UPLC-MS/MS quantification. **Pharmaceutics** 2021;13:1498.
5. von Linde T, Bajraktari-Sylejmani G, Haefeli WE, Burhenne J, Weiss J, Sauter M. Rapid and sensitive quantification of intracellular glycyl-sarcosine for semi-high-throughput screening for inhibitors of PEPT-1. **Pharmaceutics** 2021;13:1019.
6. Weiss J, Bajraktari-Sylejmani G, Haefeli WE. Low risk of the TMPRSS2 inhibitor camostat mesylate and its metabolite GBPA to act as perpetrators of drug-drug interactions. **Chem Biol Interact** 2021;338:109428.
7. Weiss J, Bajraktari-Sylejmani G, Haefeli WE. Interaction of Hydroxychloroquine with Pharmacokinetically Important Drug Transporters. **Pharmaceutics** 2020;12:E919.
8. Bajraktari-Sylejmani G, Weiss J. Potential risk of food-drug interactions: Citrus polymethoxyflavones and flavanones as inhibitors of the organic anion transporting polypeptides (OATP) 1B1, 1B3, and 2B1. **Eur J Drug Metab Pharmacokinet** 2020;45:809-815.
9. Bajraktari G, Weiss J. The aglycone diosmetin has the higher perpetrator drug-drug interaction potential compared to the parent flavone diosmin. **J Funct Foods** 2020;67:103842.
10. Bajraktari G, Burhenne J, Bugert P, Haefeli WE, Weiss J. Cyclic guanosine monophosphate modulates accumulation of phosphodiesterase 5 inhibitors in human platelets. **Biochem Pharmacol** 2017;145:54-63.

PATENTS

PATENT PENDING:
Transfection Method and Compositions for intracellular uptake of nucleic acids into target cells