Curriculum vitae

Personal information

Name:	Karsten Bamminger, MSc
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Day of Birth:	24.08.1991
Citizenship:	Austria

Education

03/2019 – now:	**Doctoral programme Chemistry** at the **University of Vienna**, 1090 Vienna; with emphasis on radiochemistry and PET-tracer development;
10/2015 – 11/2018:	**Master programme Chemistry** at the **Faculty of Chemistry** of the **University of Vienna**, 1090 Vienna; with Master's degree and emphases on analytical chemistry, food chemistry and inorganic chemistry; Master's thesis: "On the road towards a small-molecule PET tracer targeting PD-L1".
10/2011 – 10/2015:	**Bachelor programme Chemistry** at the **Faculty of Chemistry** of the **University of Vienna**, 1090 Vienna; with Bachelor's degree; Bachelor thesis: "Proteomänderung induziert in SW480 Zellen durch Behandlung mit KP46".
10/2010 – 06/2011:	**Diploma programme Pharmacy** at the **University of Vienna**, 1010 Vienna
09/2005 – 06/2009:	**Grammar school with special emphasis on science** at **Bundesoberstufenrealgymnasium Linz**, 4020 Linz; with Higher School Certificate;

Work experience

01/2019 – now:	**PhD student** at the Department of Biomedical Imaging and Image-Guided Therapy, Division of Nuclear Medicine, **Medical University of Vienna**, 1090 Vienna.
03/2018 – 12/2018:	**Project collaborator: Medical University of Vienna**, 1090 Vienna; Routine work in nuclear medicine

Publications

[1] Tournier N, Bauer M, Pichler V, Nics L, Klebermass EM, Bamminger K, Matzneller P, Weber M, Karch R, Caille F, Auvity S, Marie S, Jaeger W, Wadsak W, Hacker M, Zeitlinger M, Langer O. Impact of P-glycoprotein Function on the Brain Kinetics of the Weak Substrate ^{11}C-Metoclopramide Assessed with PET Imaging in Humans. *J Nucl Med*. 2019, 60(7):985-991. pii: jnumed.118.219972. doi: 10.2967/jnumed.118.219972.

[2] Pichler V, Ozenil M, Bamminger K, Vraka C, Hacker M, Langer O, Wadsak W. Pitfalls and solutions of the fully-automated radiosynthesis of [^{11}C]metoclopramide. *EJNMMI radiopharm. chem.* 2019, 4, 31. doi: 10.1186/s41181-019-0083-2.

[3] Bauer M, Bamminger K, Pichler V, Weber M, Binder S, Maier-Salamon A, Tahir A, Jäger W, Haslacher H, Tournier N, Hacker M, Zeitlinger M, Langer O. Impaired Clearance From the Brain Increases the Brain Exposure to Metoclopramide in Elderly Subjects. *Clin. Pharm. Ther*. 2020, 109(3):754-761. doi: 10.1002/cpt.2052.

[4] Bauer M, Barna S, Blaickner M, Prosenz K, Bamminger K, Pichler V, Tournier N, Hacker M, Zeitlinger M, Karanikas G, Langer O. Human Biodistribution and Radiation Dosimetry of the P-Glycoprotein Radiotracer [^{11}C]Metoclopramide. *Mol. Imaging Biol.* 2021, 23:180–185. doi: 10.1007/s11307-021-01582-4.

[5] Ghavami M, Vraka C, Hubert V, Schachner H, Bamminger K, Hacker M, Kain R, Moghadam MF. Radiolabeled HER2-directed exosomes exhibit improved cell targeting and specificity. *Nanomedicine*, 2021. 16, 7. doi: 10.2217/nnm-2020-0408

Scholarships

2016/2017:	Merit-based scholarship (University of Vienna)
2015/2016:	Merit-based scholarship (University of Vienna)

Personal skills and competences

Mother tongue:	German
Other languages:	English (B2) French (Basics)
Computer skills:	Microsoft Office (Word, Excel, PowerPoint), Graph Pad Prism, ChemDraw, social-media and internet knowledge
Driver's license:	Class B

Additional information

Military service:	Fulfilled as guard in Wels and Ebelsberg from October 2009 to May 2010

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