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Chemical biology studies on retaining α -glucosidases

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List of publications

1. **Su Q**, Louwerse M, Lammers RF, Maurits E, Janssen M, Boot RG, Borlandelli V, Offen WA, Linzel D, Schröder SP, Davies GJ, Overkleeft HS, Artola M, Aerts JMFG., Selective labelling of GBA2 in cells with fluorescent β -D-arabinofuranosyl cyclitol aziridines. *Chem. Sci.* doi.org/10.1039/D3SC06146A.
2. Kuo CL, **Su Q**, van den Nieuwendijk AMCH, Beenakker TJM, Offen WA, Willems LI, Boot RG, Sarris AJ, Marques ARA, Codée JDC, van der Marel GA, Florea BI, Davies GJ, Overkleeft HS, Aerts JMFG. The development of a broad-spectrum retaining β -exo-galactosidase activity-based probe. *Org. Biomol. Chem.* 2023 Oct 4;21(38):7813-7820.
3. **Su Q**, Schröder SP, Lelieveld LT, Ferraz MJ, Verhoek M, Boot RG, Overkleeft HS, Aerts JMFG, Artola M, Kuo CL. Xylose-configured cyclophellitols as selective inhibitors for glucocerebrosidase. *ChemBioChem.* 2021 Nov 3;22(21):3090-3098.
4. Rowland RJ, Chen Y, Breen I, Wu L, Offen WA, Beenakker TJ, **Su Q**, van den Nieuwendijk AMCH, Aerts JMFG, Artola M, Overkleeft HS, Davies GJ. Design, Synthesis and structural analysis of glucocerebrosidase imaging agents. *Chem. Eur. J.* 2021 Nov 25;27(66):16377-16388.

Curriculum vitae

Qin Su was born on 18th July 1993 in Laibin, Guangxi Zhuang Autonomous Region, China. In 2012 he graduated from Liuzhou Area Nationality Senior High School and commenced his bachelor's studies in Pharmaceutical Industry at School of Chemistry and Chemical Engineering, Chongqing University, Chongqing, China.

In June 2016, he obtained his BSc degree. Afterwards, he continued his master studies in Pharmacy at School of Pharmaceutical Sciences, Chongqing University, Chongqing, China in September 2016. Here he studied asymmetric catalysis and organic synthesis for construction of biologically active molecules under the supervision of Dr. Zhen Wang and Prof. Dr. Yun He. During this period, he generated great interest in chemical biology field and subsequently obtained his Master of Science degree in June 2019.

In September 2019, he was awarded a scholarship from the China Scholarship Council (CSC) and started his doctoral research in the department of Medical Biochemistry, Leiden University under the supervision of Prof. Dr. Hans Aerts from September 2019. His doctoral academic research focuses on studying retaining exo- β -glucosidases by chemical biology methods using of activity-based probes (ABPs) and exploring new inhibitors and ABPs for retaining exo- β -glucosidases.

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Qin Su (苏秦),

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