The activation mechanisms of G protein-coupled receptors : the case of the adenosine A2B and HCA2/3 receptors

Liu, R.

Curriculum Vitae

Rongfang Liu was born in Tacheng, Xingjiang, China on September 5th, 1986. She finished secondary education in Tacheng High School in 2004. Thereafter she studied biology at Lanzhou University (Gansu, China) from 2004 to 2011, where she obtained her bachelor and master degree. Her master research focused on the interaction between brassinosteroid and NO signaling pathways, and she also explored the pathogenesis of mental diseases (at Kunming Institute of Botany). Then she decided to further her training in biomedical science with an emphasis on drug discovery. She went abroad to do her PhD with support from the China Scholarship Council. She started as a PhD student at the department of Medicinal Chemistry at the Leiden Academic Centre for Drug Research (Leiden University, The Netherlands) under the supervision of Prof. Ad IJzerman from 2011 to 2016. Her PhD project focuses on activation and biased signaling of G protein-coupled receptors, in particular of the hydroxy-carboxylic acid 2 and 3 receptor ($HCA_{2/3}$) and the adenosine A_{2B} receptor. The results of her research are described in this thesis.

List of publications

Liu, R., Wong, W., IJzerman, A. P. *Human G protein-coupled receptor studies in Saccharomyces cerevisiae.* Biochem. Pharmacol. (2016) 114: 103-115.

Liu, R., van Veldhoven, J. P., IJzerman, A. P. *The role of the C-terminus of the human hydroxycarboxylic acid receptors 2 and 3 in G protein activation using G_{α}-engineered yeast cells.* Eur. J. Pharmacol. (2016) 770: 70-77.

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Qu, T., **Liu, R.,** Wang, W., An, L., Chen, T., Liu, G., Zhao, Z. *Brassinosteroids regulate pectin methylesterase activity and AtPME41 expression in Arabidopsis under chilling stress.* Cryobiology (2011) 63:111-117.