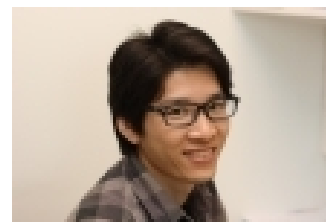


Yunhong Huang

Laboratory for the Research of Neurodegenerative Diseases
Center for Human Genetics
KU Leuven



BSc Biotechnology, South China Agricultural University, 2003
MRes Biomedical Science, University of Glasgow, 2005

Current Position

PhD student at KU Leuven

E-mail: yunhong.huang@cme.vib-kuleuven.be

Phone: +32 16 37 70 00

Keywords

GPR3 – γ -secretase – Alzheimer's disease

Science

The De Strooper laboratory recently demonstrated that an orphan GPCR, GPR3, which is highly expressed in the hippocampus and cortex of the human brain, is upregulated in sporadic AD patients. GPR3 specifically regulates the γ -secretase complex activity and A β generation, whereas the cleavage of Notch is not affected. Thus, GPR3 is an interesting therapeutic target for Alzheimer's disease (Thathiah, *et al. Science* (2009)). My PhD project is to gain mechanistic insight into GPR3 modulation of γ -secretase activity and A β generation.

Publications

Thathiah,A., Horré,K., Snellinx,A., Vandewyer,E., **Huang,Y.**, Ciesielska,M., De Kloe,G., Munck,S., De Strooper,B.: β -arrestin 2 regulates A β generation and γ -secretase activity in Alzheimer's disease. *Nat Med.* 19(1): 43-9 (2013)

Huang,Y., Li,T., Eatherton,A., Mitchell,WL., Rong,N., Ye,L., Yang,XJ., Jin,S., Ding,Y., Zhang,J., Li,Y., Wu,Y., Jin,Y., Sang,Y., Cheng,Z., Browne,ER., Harrison,DC., Hussain,I., Wan,Z., Hall,A., Lau,LF., Matsuoka,Y.: Orally bioavailable and brain-penetrant pyridazine and pyridine-derived γ -secretase modulators reduced amyloidogenic A β peptides in vivo. *Neuropharmacology.* 70:278-86 (2013)

Li,T., **Huang,Y.**, Jin,S., Ye,L., Rong,N., Yang,X., Ding,Y., Cheng,Z., Zhang,J., Wan,Z., Harrison,DC., Hussain,I., Hall,A., Lee,DH., Lau,LF., Matsuoka,Y.: γ -secretase modulators do not induce A β -rebound and accumulation of β -C-terminal fragment. *J Neurochem.* 121(2):277-86 (2012)