

## 于海杰简历



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### 研究经历

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2017/09-至今，澳门科技大学，中药质量研究国家重点实验室  
2016/12-2017/06，华盛顿大学神经内科系，Acting instructor，导师： Nicholas Poolos  
2015/11-2016/12，华盛顿大学药理系博士后，导师： William Catterall 院士  
2012/08-2015/10，华盛顿大学生理系博士后，导师： Bertil Hille 院士  
2014/02-2014/05，中科院生物物理所访问学者，合作者： 徐涛院士  
2010/3-2012/06，夏威夷大学女王医学中心博士后，导师： Andrea Fleig 教授 Reinhold Penner 教授  
2008/11-2009.11，夏威夷大学女王医学中心研究生，导师： Andrea Fleig 教授 Reinhold Penner 教授  
2005/06 - 2006/09，中山大学生命科学院，助研，导师： 周文良

### 教育经历

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2006/09 - 2009/12 中山大学 生命科学院 生理学博士 导师： 周文良  
2003/09 - 2005/06 中山大学 生命科学院 生理学硕士 导师： 周文良  
1999/09 - 2003/06 山西大学 生命科学院 学士

### 掌握方法和技术

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Patch clamp electrophysiology, fluorescent imaging, immunofluorescence, western blot, qRT-PCR, cell culture, animal handling, brain slicing and primary cell culture.

### 发表刊物

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1. **Yu H**, Yuan C, Westenbroek RE, Catterall WA. The AKAP Cypher/Zasp contributes to  $\beta$ -adrenergic/PKA stimulation of cardiac CaV1.2 calcium channels. *J Gen Physiol.* 2018 Jun 4;150(6):883-889.
2. Traynor-Kaplan A, Kruse M, Dickson EJ, Dai G, Vivas O, **Yu H**, Whittington D, Hille B. Fatty-acyl chain profiles of cellular phosphoinositides. *Biochim Biophys Acta.* 2017 Feb 9;1862(5):513-522.
3. Yang L, Dai DF, Yuan C, Westenbroek RE, **Yu H**, West N, de la Iglesia HO, Catterall WA. Loss of  $\beta$ -adrenergic-stimulated phosphorylation of CaV1.2 channels on Ser1700 leads to heart failure. *Proc Natl Acad Sci U S A.* 2016 Dec 6;113(49):E7976-E7985.
4. **Yu H**\*, Benitez SG\*, Jung SR, Farias Altamirano LE, Kruse M, Seo JB, Koh D, Muñoz EM, Hille B. GABAergic signaling in the rat pineal gland. *J Pineal Res.* 2016 Aug;61(1):69-81. (\* equal contribution)
5. Dai G, **Yu H**, Kruse M, Traynor-Kaplan A and Hille B. Osmoregulatory inositol transporter SMIT1 modulates electrical activity by adjusting PI(4,5)P2 levels. *Proc Natl Acad Sci U S A.* 2016 Jun 7;113(23):E3290-9

6. Xu X, Ali S, Li Y, **Yu H**, Zhang M, Lu J, Xu T. 2-Aminoethoxydiphenyl Borate Potentiates CRAC Current by Directly Dilating the Pore of Open Orail. *Sci Rep*. 2016 Jul 4;6:29304.
7. **Yu H**, Dickson EJ, Jung SR, Koh DS, Hille B. High membrane permeability for melatonin. *J Gen Physiol* 2016 Jan;147(1):63-76
8. **Yu H**, Seo JB, Jung SR, Koh DS, Hille B. Noradrenaline upregulates T-type calcium channels in rat pinealocytes. *J Physiol*. 2015 Feb 15;593(4):887-904
9. Zhang Z, Faouzi M, Huang J, Geerts D, **Yu H**, Fleig A, Penner R. N-Myc-induced up-regulation of TRPM6/TRPM7 channels promotes neuroblastoma cell proliferation. *Oncotarget*. 2014 Sep 15;5(17):7625-34.
10. Zhang Z\*, **Yu H**\*, Huang J, Faouzi M, Schmitz C, Penner R, Fleig A. The TRPM6 kinase domain determines the Mg·ATP sensitivity of TRPM7/M6 heteromeric ion channels. *J Biol Chem*. 2014 Feb 21;289(8):5217-27. (\* equal contribution)
11. **Yu H**\*, Zhang Z\*, Lis A, Penner R, Fleig A. TRPM7 is regulated by halides through its kinase domain. *Cell Mol Life Sci*. 2013 Aug;70(15):2757-71. (\* equal contribution)
12. **Yu H**, Chen S, Yang Z, Pan A, Zhang G, Shan J, Tang X, Zhou W. Trimethyltin chloride induced chloride secretion across rat distal colon. *Cell Biol Int* 2009 Dec 16;34(1): 99-108.
13. Yang Z\*, **Yu H**\*, Pan A, Du J, Ruan Y, Ko W, Chan H, Zhou W. Cellular mechanisms underlying the laxative effect of flavonol naringenin on rat constipation model. *PLoS One* 2008 Oct 3;3(10):e3348. (\* equal contribution)
14. Yang Z, Pan A, Ruan Y, **Yu H**, Wu Z, Xiang H, Zhou W. Cellular mechanism of adrenalin stimulated chloride secretion via beta-adrenoceptor in T84 cells. *Cell Biol Int* 2008 Jun;32(6):679-87. Epub 2008 Feb 3.

## 推荐人

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| Bertil Hille      | My supervisor, University of Washington Physiology and Biophysics Department University Box 357290 Seattle, WA 98195-7290, USA. Email: hille@uw.edu Tel: 206 543 8639 |
| William Catterall | My supervisor, University of Washington Department of Pharmacology University Box 357290 Seattle, WA 98195-7290, USA. Email: wcatt@uw.edu Tel: 206 543 1925           |
| Andrea Fleig      | My supervisor, Director, Clinical Research, Office of Research and Development, the Queen's Medical Center, Honolulu, USA. Email: afleig@hawaii.edu Tel: 808 691 7931 |
| Reinhold Penner   | My supervisor, Full Researcher and Program Director, Cancer Biology, University of Hawaii, Honolulu, USA. Email: rpenner@hawaii.edu Tel: (808) 585-5366               |