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研究經歷

2017/09-至今，澳門科技大學，中藥質量研究國家重點實驗室

2016/12-2017/06，華盛頓大學神經內科系，Acting instructor, 導師：Nicholas Poolos 教授

2015/11-2016/12，華盛頓大學藥理系博士後，導師：William Catterall 院士

2012/08-2015/10，華盛頓大學生理系博士後，導師：Bertil Hille 院士

2014/02-2014/05，中科院生物物理所訪問學者，合作者：徐濤院士

2010/3-2012/06，夏威夷大學女王醫學中心博士後，導師：Andrea Fleig 教授 Reinhold Penner 教授

2008/11-2009.11，夏威夷大學女王醫學中心研究生，導師：Andrea Fleig 教授 Reinhold Penner 教授

2005/06 - 2006/09，中山大學生命科學院，助研，導師：周文良教授

教育經歷

2006/09 - 2009/12 中山大學 生命科學院 生理學博士 導師：周文良教授

2003/09 - 2005/06 中山大學 生命科學院 生理學碩士 導師：周文良教授

1999/09 - 2003/06 山西大學 生命科學院 學士

教學科目

病理生理學、毒理學、中藥藥理學、分子藥理學

掌握方法和技術

膜片鉗，螢光顯微成像，超分辨成像，螢光高通量藥物篩選，腦片電生理記錄，分子克隆

發表刊物

1. Yu H, Yuan C, Westenbroek RE, Catterall WA. The AKAP Cypher/Zasp contributes to β -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 β -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.

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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.

推薦人

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| 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 |