



Graduate Student (PhD) Position

Dr. Victor Yu's laboratory at National University of Singapore (NUS) has a PhD studentship openings in August, 2016. The prime focus of the laboratory is using mouse models to study the key signaling mechanisms operating in mitochondria responsible for regulating the cell death decisions.

To facilitate a better understanding of the work being pursued in the laboratory, prospective applicants are urged to refer to the following recent papers published by the laboratory: (1). K.O. Tan et al., MAP-1 is a mitochondrial effector of Bax, (Track II), *Proc. Natl. Acad. Sci. USA*, **102**: 14623-14688, 2005. (2). N.Y. Fu et al., Inhibition of ubiquitin-mediated degradation of MOAP-1 by apoptotic stimuli promotes Bax function in mitochondria, (Track II), *Proc. Natl. Acad. Sci. USA*, **104**: 10051-10056, 2007. (3) N.Y. Fu et al., Bax β : a constitutively active human Bax isoform that is under tight regulatory control by the proteasomal degradation mechanism, *Molecular Cell*, **33**: 15-29, 2009. (4) S.K. Sukumaran et al., A soluble form of the pilus protein FimA targets the VDAC-hexokinase complex at mitochondria to inhibit host cell apoptosis, *Molecular Cell*, **37**: 768-783, 2010; (5). L. Zhang, Y. Mei, N.Y. Fu, L. Guan, W. Xie, H.H. Liu, C.D. Yu, Z. Yin, V.C. Yu and H. You, TRIM39 regulates cell cycle progression and DNA damage responses via stabilizing p21, *Proc. Natl. Acad. Sci. USA* (Track II) **109**: 20937-42, 2012. (6). M. Chen, Y. Zhang, V.C. Yu, Y-S. Chong, T. Yoshioka and R. Ge, Isthmin targets cell-surface GRP78 and triggers apoptosis via induction of mitochondrial dysfunction, *Cell Death Differ.*, **21**: 797-810, 2014

Requirements:

Successful applicant should have a BSc or M.Sc. degree awarded by an internationally recognized institution within the last three years. Successful applicant is expected to have excellent background in basic biochemistry and molecular biology techniques. Please refer to the following link for academic requirements for admission into PhD program in NUS: <http://www.pharmacy.nus.edu.sg/programmes/GradResearch/>

Applicant should email his/her full curriculum vitae and contact information (email and phone number) of three individuals who would have first-hand knowledge of his/her ability in scientific research to:

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