YUDAN REN

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EDUCATION AND RESEARCH EXPERIENCE

2011-2014 **Career Development Fellow**
Laboratory of Molecular Biology, Medical Research Council, Cambridge, UK.
Antibody Intracellular function.

2008-2011 **PhD -** Virology
Virology Division, Department of Pathology, Cambridge University, UK.
Glycoprotein M and ESCRT in Herpes simplex virus type 1 assembly.

2008 **Research Associate**
School of Biological Sciences, Nanyang Technological University, Singapore.
Stem cell - adult human cell reprogramming (iPS).

2007-2008 **Project Officer**
School of Chemical & Biomedical Engineering, Nanyang Technological University,Singapore.
Virus-host interaction of Hepatitis B Virus.

2004-2007 **Graduate Student -** Pharmacology
State Key Laboratory of Drug Research, Shanghai Institute of Materia Medica.
Anti-Hepatitis B Virus activity of coffee and its polyphenols.

2001-2003 **Undergraduate research assistant**
Laboratory of cell biology, East China Normal University, Shanghai, China.

2000-2004 **Bachelor of Science -** Biological Sciences
East China Normal University, Shanghai, China.

AWARDS AND HONOURS

2011-2014 Career Development Fellowship at Medical Research Council, UK.

2008- 2011 PhD studentship at the University of Cambridge.

2010 Travel Award - the 35th Annual International Herpesvirus Workshop.
Scientific Meetings Travel Grant Fund - Society for General Microbiology.

2004-2007 National Scholarship for Graduate Studies at Chinese Academy of Sciences.
- Covers university tuition fees and living expenses.

2004 Excellent Graduate Award from Educational Committee of Shanghai.
Excellent Student Award from East China Normal University (top 1% of all students).
Excellent Thesis Award for Bachelor's degree from East China Normal University.

2003-2004 First Prize: Awarded through the National Scholarship Scheme.
- Covers university tuition fees and living expenses.

2002-2003 Best Student Award from East China Normal University (top 1% of all students).

2001-2003 Top Grade Scholarship East China Normal University (top 2% of all students).

2000 Freshman Scholarship East China Normal University (top 2% of all students).

ORAL PRESENTATIONS AND PAPERS

2018 **Antibody Intracellular Function**
- *Biomedical society meeting, Robinson College, University of Cambridge.*

2013 **Virus War**
- *The Royal Society Summer Science Exhibition, London.*

2012 **The Ever On-going War between Virus and Host**
- *Research Day, Robinson College, University of Cambridge.*

2011 **The Interactions between Herpes Simplex Virus Type 1 and Human ESCRT Machinery**
- *Society for General Microbiology Spring Conference, Harrogate, UK.*

From HIV to HSV-1: different pathways to Hijack the Human ESCRT Machinery
- *36th Annual International Herpesvirus Workshop, Gdansk, Poland.*

2010 **The Efficient Incorporation of gH/L into Virions Relies on the Function of gM in HSV-1**
- *35th Annual International Herpesvirus Workshop, Salt Lake City, Utah, USA.*

Glycoprotein M in HSV-1 Cytoplasmic Assembly
- *Society for General Microbiology Spring Conference, Edinburgh, UK.*
- *Departmental Research Symposium, Department of Pathology, University of Cambridge.*

2009 **Cell Reprogramming**
- *Research Day, Robinson College, University of Cambridge.*

1. Yudan Ren, Colin Crump, Malcolm Mackley, Susanna Bell, Nuno Reis. (2016). Fast UVC virus inactivation in laminar microflow systems. *Biotechnology and Bioengineering.* 113:7-1481. Cover paper.
2. Yudan Ren and Leo James. VCP is important for Herpes Simplex Virus Type 1 replication. Manuscript in preparation.
3. Susanne Rauch#, Yudan Ren# (#Contribute equally), Susanne Bell, Colin Crump and Juan Martin-Serrano. Multiple pathways for the recruitment and regulation of the ESCRT machinery by HSV-1. Manuscript in preparation.
4. Yudan Ren, Susanne Bell, Helen L Zenner, S.-Y. Kathy Lau, Colin M. Crump. (2011). Glycoprotein M is Important for the Efficient Incorporation of Glycoprotein H/L into HSV-1 particles. *J. Gen. Virol.* 93:319-329.
5. Dandan Niu, Jianhua Zhang, Yudan Ren, Huixing Feng, Wei Ning Chen. (2009). HBx genotype D represses GSTP1 expression and increases the oxidative level and apoptosis in HepG2 cells. *Mol. Oncol.* 3(1):67-76.
6. Wang GF#, Shi LP#, Ren YD# (#Contribute equally), Liu QF#, Liu HF#, Zhang RJ, Li Z, Zhu FH, He PL, Tang W, Tao PZ, Li C, Zhao WM and Zuo JP. (2009). Anti-hepatitis B virus activity of chlorogenic acid, quinic acid and caffeic acid in vivo and *in vitro*. *Antiviral Res.* 83(2):186-90.
7. Lu YW#, Ren YD# (#Contribute equally), Bai J, Chen WN. (2008). The spliced variant of Hepatitis B virus protein, HBSP, interacts with Bcl-2/Bcl-xl in vitro and induces apoptosis in HepG2 cells. *IUBMB Life.* 60(10):700-2.
8. Chen HJ, Wang WL, Wang GF, Shi LP, Gu M, Ren YD, *et al*. (2008). Rational design and synthesis of 2, 2-bisheterocycle tandem derivatives as non-nucleoside hepatitis B virus inhibitors. *ChemMedChem.* 3(9):1316-21.
9. Li YF, Wang GF, Luo Y, Huang WG, Tang W, Feng CL, Shi LP, Ren YD, *et al*. (2007). Identification of 1-isopropylsulfonyl-2-amine benzimidazoles as a new class of inhibitors of Hepatitis B virus. *Eur. J. Med. Chem.* 42(11-12):1358-64.
10. Li YF, Wang GF, Luo Y, Huang WG, Tang W, Feng CL, Shi LP, Ren YD, *et al*. (2006). Synthesis and Anti-Hepatitis B Virus Activity of Novel Benzimidazole Derivatives. *J. Med. Chem.* 49(15):4790-4.
11. Cheng RY, Ye XY, Zhang R, Ren YD, Wang YF. (2004). Experimental Studies on the Antihyperlipidemia and Lipotropic Effects of Betaine on Mice. (Article in Chinese) *China Pharmacist.* 7(6):411-3.

ACTIVITIES

Table Tennis: Cambridge Half Blue (2008-2011); University of Cambridge team Captain (2010/2011).
Badminton: University of Cambridge Cupper's Champion Team 2010 (Robinson College, mixed double).