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個人學術簡介

吳強博士於 1990 年本科畢業於華中農業大學園藝系。1992-1995 年就讀于武漢大學生命科學院遺傳系，獲碩士學位。1998-2003 年在新加坡國立大學生物科學系攻讀博士學位。2003-2006 年在新加坡基因組研究院從事博士後研究工作。導師是知名幹細胞專家 Prof Huck Hui Ng。2006 年至 2008 年，在劍橋大學 Prof Magdalena Zernicka-Goetz 的實驗室擔任 Research associate。2009 年被聘為新加坡國立大學生物化學系助理教授。2017 年加入澳門科技大學擔任副教授。

目前的主要研究方向是幹細胞生物學和表觀遺傳學。自 2009 年成為獨立 PI 以來，我的實驗室專注於利用分子細胞學方法，高通量分析法和其他分子細胞方法尋找和分析新的多潛能因子（包括新的遺傳因子和表觀遺傳因子）。我們實驗室成功發現了三個鋅指蛋白（Zfp322a, Patz1 和 Zfp553）和兩個組蛋白精氨酸甲基轉移酶（Prmt4, Prmt6）。這些發現已經發表在 PLoS Genetics, Stem Cells, Stem Cells and Development 和 Scientific Reports 等專業學術刊物上。近兩年我們還專注於 Chromatin co-factor 在幹細胞多能性維持和重編程的作用的研究並取得了一些進展。我們的長期研究目標是利用幹細胞開展對幹性維持，分化機理，疾病模型，藥物篩選的研究。

吳強博士已經發表了 25 篇研究和綜述論文。這其中包括有重大學術貢獻和突破性的一篇幹細胞論文（Nature Genetics 2006）和一篇癌細胞論文（Cell 2006）。總的論文被引用次數超過 3000 次。從 2010 年受邀擔任 PLoS ONE 雜誌學術編輯。2016 年擔任 Stem Cells International 客座編輯。還受邀擔任 Nature Communications, Nucleic Acids Research, Stem Cells, Stem Cell Research, PLoS ONE, Stem Cells and Development, Stem Cell Review and Reports, International Journal of Biochemistry and Cell Biology 等雜誌的審稿人。吳強博士還連續多年擔任中國國家自然科學基金重點項目的海外評審。另外也受邀擔任 Medical Research Council UK, NUHS Seed Grants, Singapore Ministry of Education grants, Singapore Biomedical Research Council, The Chinese University of Hong Kong Grants 評審。

至於教學方面，吳強博士擁有多年的英文課程組織，課堂授課，課程發展和課程評估經驗。從 2011 年起為新加坡國立大學生命科學本科生開設了一門全新的高級課程 *Epigenetics and Chromatin Biology* 並擔任主講教師。也為本科生主講另一門高級課程 *Stem Cell Biology* 和參與 *Experimental Biochemistry* 的教學工作。還是研究生課程 *Techniques in Biomedical Research* 統籌和主講教師。此外也是另外兩門研究生課程的主講教師之一。

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