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Education:

National Taiwan University	Ph.D.	2003-2007	Molecular Biology
National Tsing Hua University	B.S.	1994-1998	Life Science

Current title:

2019~ Assistant professor, Department of Biomedical Sciences, National Chung Cheng University.

Professional experience:

2017~ 2019 Research scholar, Institute of cellular and organismic biology, Academia Sinica.
2008~2017 Post-doctoral fellow, Institute of cellular and organismic biology, Academia Sinica.

Research Expertise:

Stem cell biology, Pluripotency circuit, Non-coding RNAs, Non-colinear RNAs, Alternative splicing, Cell biology, and Molecular biology.

Grant:

2017~2019 MOST 106-2321-B-194 -001 -MY3 “Investigating the roles of circular non-coding RNA in maintaining and regaining pluripotency”, ministry of science and technology.

Awards:

2016: Outstanding postdoctoral fellow work award

Publications:

1. Yu CY, Kuo HC. The emerging roles and functions of circular RNAs and their generation. *J Biomed Sci.* 2019 Apr 25;26(1):29

2. Chuang CY, Yang CC, Soong BW, **Yu CY**, Chen SH, Huang HP, Kuo HC. Modeling spinocerebellar ataxias 2 and 3 with iPSCs reveals a role for glutamate in disease pathology. *Sci Rep*. 2019 Feb 4;9(1):1166
3. **Yu CY**, Chuang CY, Kuo HC. Trans-spliced long non-coding RNA: an emerging regulator of pluripotency *Cell Mol Life Sci*. 2018 Sep;75(18):3339-3351
4. **Yu CY**, Li TC, Wu YY, Yeh CH, Chiang Wei, Chuang CY, Kuo HC. The circular RNA *circBIRC6* participates in the molecular circuitry controlling human pluripotency *Nat Commun*. 2017 Oct 27;8(1):114
5. Lim H, **Yu CY**, Jou TS. Galectin-8 regulates targeting of Gp135/podocalyxin and lumen formation at the apical surface of renal epithelial cells. *FASEB J*. 2017 Nov;31(11):4917-4927
6. **Yu CY**, Kuo HC. The Trans-Spliced Long Noncoding RNA tsRMST Impedes Human Embryonic Stem Cell Differentiation Through WNT5A-Mediated Inhibition of the Epithelial to Mesenchymal Transition. *Stem Cells*. 2016 Aug;34(8):2052-62
7. Chen HF, **Yu CY**, Huang MC, Chou SH, Chiang MS, Ko BS, Dar Chen, Huang HP, Kuo HC, Ho HN. Characteristic Expression of Major Histocompatibility Complex and Immune Privilege Genes in Human Pluripotent Stem Cells and Their Derivatives. *Cell Transplant*. 2015;24(5):845-64.
8. Chuang CY, Huang MC, Chen HF, Tseng LH, **Yu CY**, Stone L, Huang HP, Ho HN, Kuo HC. Granulosa cell-derived induced pluripotent stem cells exhibit pro-trophoblastic differentiation potential. *Stem Cell Res Ther*. 2015 Feb 27;6:14
9. **Yu CY**, Liu HJ, Hung LY, Kuo, HC; Chuang, TJ. Is an Observed Non-co-linear RNA Product Spliced in *trans*, in *cis*, or just *in vitro*? *Nucleic Acids Res*. 2014 Aug;42(14):9410-23
10. Wu CS*, **Yu CY***, Chuang CY, Michael Hsiao, Kao CF, Kuo HC and Chuang TJ. Integrative transcriptome sequencing identifies *trans*-splicing events with important roles in human embryonic stem cell pluripotency. **Equal contribution Genome Res*. 2014 Jan;24(1):25-36
11. Huang HP, Chen PH, **Yu CY**, Chuang CY, Stone L, Hsiao WC, Li CL, Tsai SC, Chen KY, Chen HF, Ho HN, Kuo HC. "Epithelial cell adhesion molecule (EpCAM) complex proteins promote transcription factor-mediated pluripotency reprogramming" *J Biol Chem*. 2011 Sep 23;286(38):33520-32.
12. Huang HP*, **Yu CY***, Chen HF, Chen PH, Chuang CY, Lin SJ, Huang ST, Chan WH, Ueng TH, Ho HN, Kuo HC. Factors from human embryonic stem cell-derived fibroblast-like cells promote topology-dependent hepatic differentiation in primate embryonic stem cells and human induced pluripotent stem cells. **Equal contribution J Biol Chem*. 2010 Oct 22; 285(43):33510-9.

13. **Yu CY**, Chen JY, Lin YY, Shen KF, Lin WL, Chien CL, ter Beest MB, Jou TS. A bipartite signal regulates the faithful delivery of apical domain marker podocalyxin/Gp135. *Mol Biol Cell*. 2007 May;18(5):1710-22.