

Yun YAN

✉ youryanyun@gmail.com

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Last Updated: March 4, 2016

Education

M.S., Computer Science **2015.09–2017.06 (Expected)**
Tandon School of Engineering, New York University *New York City, U.S.*

MScRes (with honor), Biochemistry and Molecular Biology **2011.09–2013.06**
College of Life Sciences, Wuhan University *Wuhan, China*

- Thesis: Genome-wide identify distance effect of RNA binding protein PTB on RNA splicing
- Supervisor: Prof. Xiang-dong Fu (UCSD)

B.S., Biology Base Class **2007.09–2011.06**
College of Life Sciences, Wuhan University *Wuhan, China*

Publication

Xiaorong Zhang, Xinxin Zuo, Bo Yang, Zongran Li, Yuanchao Xue, Yu Zhou, Jie Huang, Xiaolu Zhao, Jie Zhou, **Yun Yan**, Huiqiong Zhang, Peipei Guo, Hui Sun, Lin Guo, Yi Zhang, Xiang-Dong Fu*. *MicroRNA directly enhances mitochondrial translation during muscle differentiation*. Cell 158, 607–619 (2014).

Softwares

ChIPseeker: Bioconductor package for ChIP peak annotation, comparison, and visualization *R*
○ Role: contributor *2015.03–Now*

- Work: use bootstrapping to estimate the confidence intervals of ChIP-seq peaks around TSS

CLIPseqToolkit: analyze and visualize CLIP-seq data *R+Perl+ Bash*
○ Role: author *2012*

- Work: locate peaks/clusters of CLIP-seq signals mainly referring to the methods of Ago2 HITS-CLIP on Nature by Prof. Robert Darnell lab in 2009

Experience

Computational Biology Center **2013.08–2014.06**
Memorial Sloan-Kettering Cancer Center *New York City, U.S.*

- Research Associate for investigating co-transcriptional splicing in *Arabidopsis thaliana* at Prof. Gunnar Räscht's lab.

Programming Skills

Confident: R (4 years), Perl (4 years), Python (2 years)

Familiar: Bash, Matlab/Octave

Visitings

Graduate Student Summer School **2012.08–2012.09**
Helsinki University *Helsinki, Finland*

Visiting graduate student attending Summer School at Institute of Biotechnology, Helsinki University, fully supported by Biocenter Finland, Helsinki University, Wuhan University tri-sides collaboration, welcomed by Prof. Erkki Raulo, Helsinki University.

"Dragon Star" Summer Program

2012.06–2012.07

Jilin University

Jilin, China

Bioinformatics program trained by Prof. Ting Wang, Washington University, U.S.. The program is fully supported by Chinese Academy of Sciences (CAS), which provides timely and comprehensive training to graduated students on selected research subjects.