

## Yue Hu



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### Research Area: Computational Biology <RNA system biology>

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Date of Birth: October. 1995

### Education

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#### University of Chinese Academy of Sciences

2017.9-

successive postgraduate and doctoral program in computational biology,  
CAS-MPG Partner Institute for Computational Biology

- Tutor: Dr.Zefeng Wang; Research Area: Computational Biology <RNA system biology>
- Research report award 2019.2
- Top Ten Progress of Chinese Bioinformatics in 2018 2019.2

#### Beijing Jiaotong University

2013.9-2017.7

Bachelor of Information and Computing Science(Bioinformatics),School of Science

- Science and Technology Innovation Project for College Students of Beijing 2016.5
- The Second Prize Scholarship 2015.12
- The Third Prize Scholarship 2014.12

### Research Projects

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#### RNA-binding Protein splicing activity prediction model

2016.11-2018.11

- Most low-complexity domains in RBPs can regulate splicing when recruited to pre-mRNAs
- Splicing regulatory activities of RBPs are mainly determined by sequence composition
- Machine learning approach was developed to predict splicing regulatory activity of RBPs
- The predictive model facilitates the design of artificial factors to manipulate splicing

#### Systematic survey of PRMTs interactome

2018.5-

### Research Achievements

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Modeling and Predicting the Activities of Trans-Acting	journal paper	CellSyst.2018
Splicing Factors with Machine Learning		

### Skills and Certificates

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- Familiar with molecular and cellular basic experimental techniques
- Familiar with C programming language, R language, linux and database system
- Familiar with transcriptome-wide analysis
- IELTS 6.5; CET4 610; CET6 540; proficiency in English
- Second-level Certificate for National Computer Rank Examination

### Practice Experience

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#### Students' Association Union

2014.9-2015.7

Assistant Minister

#### Biostatistics

2019.3-2019.6

Teaching Assistant