

Xin Dong

Ph.D. Student

Department of Bioinformatics, School of Life Sciences and Technology

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EDUCATION

Sep.2020 – Now

Ph.D. Student in Bioinformatics

School of Life Sciences and Technology, Tongji University, China

Advisors: Dr. Chenfei Wang & Dr. Xiaole Shirley Liu

Sep.2018 – Aug.2020

M.S. Candidate in Bioinformatics

School of Life Sciences and Technology, Tongji University, China

Advisors: Dr. Xiaole Shirley Liu & Dr. Xiaoyan Zhang & Dr. Zhiping Weng

Sep.2014 – Jun.2018

B.S. in Biotechnology

School of Life Sciences, Shandong Normal University, China

Advisor: Dr. Chengqiang He

RESEARCH EXPERIENCE

2020 – Now

Develop Computational Methods for Single-cell ATAC-seq

Institute: Tongji University, China

Advisors: Dr. Chenfei Wang & Dr. Xiaole Shirley Liu

Gene Regulation on Single-cell Level

2018 – 2020

Epigenetics and Gene Regulation Research

Institute: Tongji University, China

Advisors: Dr. Xiaole Shirley Liu & Dr. Clifford Meyer

Large-scale Genomic Data Mining and Integration Analysis

2017 – 2018

Undergraduate Dissertation Research

Institute: Shandong Normal University, China

Advisor: Dr. Chengqiang He

Rapid Establishment of H7N9 Dominant Lineage by Intragenic Recombination in HA Segment

2016 – 2017

Undergraduate Innovation Program (Presided)

Institute: Shandong Normal University, China

Advisor: Dr. Chengqiang He

Screening of Newcastle Disease Virus Heat-Resistant Vaccine by Homologous Recombination

2015 – 2016 Undergraduate Innovation Program (Involved)

Institute: Shandong Normal University, China

Advisor: Dr. Chengqiang He

The Origin, Adaptive Evolution and Population Dynamics of Infectious Chicken Anemia Virus in China

2015 – 2016 Undergraduate Innovation Program (Involved)

Institute: Shandong Normal University, China

Advisors: Dr. Rongshu Fu & Dr. Mingsheng Miao

Diversity of fish in Nansi Lake

PUBLICATIONS

Asterisk (*) denotes the Co-first Authors and Hashtag (#) denotes the Corresponding Authors.

- Sun,D.*, Wang,J.*, Han,Y.*, **Dong,X.**, Ge,J., Zheng,R., Shi,X., Wang,B., Li,Z., Ren,P., Sun,L., Yan,Y., Zhang,P., Zhang,F.#, Li,T.#, Wang,C.# (2021) TISCH: a comprehensive web resource enabling interactive single-cell transcriptome visualization of tumor microenvironment. *Nucleic Acids Research*, 10.1093/nar/gkaa1020.
- Chen,C.-H., Zheng,R., Tokheim,C., **Dong,X.**, Fan,J., Wan,C., Tang,Q., Brown,M., Liu,J.S., Meyer,C.A.#, Liu,X.S.# (2020) Determinants of transcription factor regulatory range. *Nature Communications*, 11, 2472.
- Zheng,R.*, **Dong,X.***, Wan,C., Shi,X., Zhang,X.# and Meyer,C.A.# (2020) Cistrome Data Browser and Toolkit: analyzing human and mouse genomic data using compendia of ChIP-seq and chromatin accessibility data. *Quantitative Biology*
- Li,S.*, Wan,C.*, Zheng,R., Fan,J., **Dong,X.**, Meyer,C.A.# and Liu,X.S.# (2019) Cistrome-GO: a web server for functional enrichment analysis of transcription factor ChIP-seq peaks. *Nucleic Acids Research*, 47, W206–W211.

CONFERENCES

2019 Attendance, 14th International Bioinformatics Workshop, 2019, Beijing, China

TEACHING

2020 Teaching assistant, Summer Bioinformatics Course of Life Science and Technology School, Tongji University, 2020, Shanghai, China

2019 Teaching assistant, Dragon Star Course, 14th International Bioinformatics Workshop, 2019, Beijing, China

AWARDS AND DISTINCTIONS

2019 Outstanding Graduate Student Scholarship, Tongji University

- 2018 Outstanding Dissertation for Bachelor's Degree, Shandong Normal University
- 2017 Outstanding Graduates Awards of Shandong Province, Human Resources and Social Department of Shandong Province
- 2017 National Encouragement Scholarship
- 2017 The First Prize of The Fifteenth Challenge Cup Competition in Shandong, Shandong Communist Youth League
- 2017 Advanced Individual of Extracurricular Science and Technology Innovation Activities, Shandong Normal University
- 2017 Excellent Student Cadre in Shandong, Shandong Provincial Education Department
- 2016 The Grand Prize of Shandong College Students' Biochemistry Experiment Skills Competition, Shandong Association of Science & Technology
- 2016 National Encouragement Scholarship
- 2016 Advanced Individual of External Publicity, Shandong Normal University
- 2016 Alumni Scholarship, School of Life Sciences of Shandong Normal University
- 2015 Outstanding Cadres of The Students' Union, Shandong Normal University
- 2015 National Encouragement Scholarship
- 2015 Advanced Individual of Campus Cultural Activities, Shandong Normal University
- 2014 Advanced Individual of Freshman Corps in Military Training, Shandong Normal University

LEADERSHIP AND PUBLIC SERVICE

- 2020** **Census Taker**
7th Census of China
- 2016 – 2017** **Vice-president**
Chairman of Executive Committee
Students' Union, Shandong Normal University
- 2015 – 2016** **Minister of Literatures and Arts Department**
Students' Union, Shandong Normal University
- 2016** **Organizing Committee Chairman**
30th Top Ten Campus Singers Competition of Shandong Normal University
- 2015** **Organizing Committee Chairman**
Golden Microphone Host Competition of Shandong Normal University
- 2015 – 2016** **Committee Member of Network Department**
Students' Union, School of Life Sciences, Shandong Normal University
- 2014 – 2015** **Member of Rights and Interests Department**
Students' Union, Shandong Normal University