

Ce Luo

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EDUCATION

Nankai University, College of Pharmacy

B.S. in Pharmacy

- GPA: 89.81/100 (**rank 5/67**)

Tianjin, China

Sept 2017 – Jun 2021

University of Cambridge, Magdalene College, Summer School Student (**4.0 GPA**)

Aug 2019

- Stem Cell Biology: Embryonic and Adult Stem cells, lectured by Prof. Jose Silva, University of Cambridge
- Stem Cell Biology: Induced Pluripotent Stem Cells and Cell Transdifferentiation, lectured by Prof. Jose Silva, University of Cambridge

University of Oxford, Oriel College, Summer School Student

Jul 2019

- Intercultural Communication, lectured by Dr. Bronwyn Tarr (**Rhodes Scholar**), University of Oxford
- Introduction to Algorithmic Game Theory, lectured by Dr. Alexandros Voudouris, University of Oxford

RESEARCH EXPERIENCE

Group leader, State Key Laboratory of Medicinal Chemical Biology, Tianjin, China

Mar 2019 – Present

Application of Game Theory in Sports Combined Solidroside Anti-cancer Therapy

- Demonstrated the sports anti-cancer effect can be modeled by a metabolic balance between lactate dehydrogenase A (LDHA) and lactic acid by analyzing proteomics and metabolomics data.
- Discovered that the anti-cancer effect can be enhanced by breaking the metabolic balance-reducing the expression of LDHA and the accumulation of lactic acid simultaneously.
- Learned a series of *in vitro* and *in vivo* experimental skills including wound healing assay, ELISA assay, establishing mice exercise model, mice anatomy and mice live imaging.

Independent researcher, State Key Laboratory of Medicinal Chemical Biology, Tianjin, China

Jan 2019 – Feb 2019

Bioinformatic Analysis of Biomarker and Molecule Mechanisms in Malignant Progression of LIHC

- Conducted a low-biased screening of LIHC associated molecules (protein-coding genes, lncRNAs, and miRNAs) by a comprehensive analysis using DESeq2, limma and edgeR.
- Constructed a ceRNA network by using overlapped genes and other ncRNAs with R package GDCRNATools.
- Identified key molecules as LIHC biomarkers according to the cox analysis, survival analysis and the connectivity in the ceRNA network. Performed enrichment analyses to reveal molecular mechanisms.

SELECTED AWARDS AND HONORS

- Innovation Special Scholarship of Nankai University (**2 in 67**) Dec 2019
- Municipal Outstanding Students of the Year 2018-2019 in Tianjin (Candidate, **1 in 252**) Nov 2019
- Third Prize in the Fifth China "Internet+" University Student Innovation and Entrepreneurship Competition in Tianjin District (**Group leader**) Nov 2019
- First Prize in the Fourth "Dream +" Innovation and Entrepreneurship Competition of Nankai University (**Top 4** in university, **Group leader**) Jun 2019
- Second Prize in the Basic Experimental Skills Competition Jun 2019
- "Global Nankai"-First-class scholarship for short-term exchange programs of Nankai University (**2 in 252**) May 2019
- Comprehensive First-class Scholarship of Nankai University (**4 in 70**) Nov 2018

ADDITIONAL SKILLS

- Fluent in English (IELTS=7.0)
- Proficient in Microsoft Word, Excel, Outlook and PowerPoint
- Knowledge of R, Python, MATLAB, Net Logo, 3D Print, Adobe Photoshop and Adobe Illustrator
- Badminton, Piano and Sketch