Mingzhi Liu

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EDUCATION

Karolinska Institutet — Solna, Sweden
PhD in Oncology and Tumor Biology — *Jun. 2021 – Jun. 2025 (Expected)*

Karolinska Institutet — Solna, Sweden
Master of Medical Science in Biomedicine — *Sep. 2018 – Jun. 2020*

Southwest University — Chongqing, China
Bachelor of Science in Biological Sciences — *Sep. 2014 – Jun. 2018*

PUBLICATIONS

- Shi Y, Yuan J, Rarklli V, et al. **Aberrant splicing in neuroblastoma generates RNA-fusion transcripts and provides vulnerability to spliceosome inhibitors**. *Nucleic Acid Research.* 2021;18;49(5):2509-2521 dpi: 10.1093/nar/gkab054

- Yang C, Zhang Y, Chen Y, et al. **Nuclear IGF1R interact with PCNA to preserve DNA replication after DNA-damage in a variety of human cancers**. *PLoS One.* 2020;15(7):e0236291. doi: 10.1371/journal.pone.0236291

- Chen Y, Hesla AC, Lin Y, et al. **Transcriptome profiling of Ewing sarcomas - treatment resistance pathways and IGF-dependency**. *Mol Oncol.* 2020;14(5):1101-1117. doi: 10.1002/1878-0261.12655

- Liu L, Xiao YY, Ji YH, et al. **CuInS$_2$/ZnS QD exposure induces developmental toxicity, oxidative stress and DNA damage in rare minnow (Gobiocypris rarus) embryos and larvae**. *Comp Biochem Physiol C: Toxicol Pharmacol.* 2017;198:19-27. doi: 10.1016/j.cbpc.2017.04.009

- Xiao YY, Liu L, Chen Y, et al. **Developmental Toxicity of Carbon Quantum Dots to the Embryos/Larvae of Rare Minnow (*Gobiocypris rarus*)**. *Biomed Res Int.* 2016;2016:4016402. doi: 10.1155/2016/4016402

MEETINGS & CONFERENCES

XIXth KI Cancer Retreat — 23-24th May 2022
Djurönäset, Sweden

International PhD Student Cancer Conference 2022 (IPSCC2022) — 8-10th Jun. 2022
Heidelberg, Germany

The 1st Karolinska Institutet-Neuroblastoma Conference — 7th Oct. 2022
Solna, Sweden

The 13th NBCNS Research Meeting — 8 - 9th Nov. 2022
Göteborg, Sweden

The 1st Transdisciplinary Approaches for Neuroblastoma Therapy Symposium — 6 - 7th Feb. 2023
Barcelona, Spain

Advances in Neuroblastoma Research Conference 2023 — 15 - 18th May 2023
Amsterdam, the Netherlands

SUPERVISION ACTIVES

Amanda Westergren Jakobsson — Jan. - Jun. 2022
Master's Thesis Project Student — *Medical Research Master Program at Uppsala University*

Hugo Metzger — Apr. - Jun. 2023
Project student — *Biomedicin Master Program at Karolinska Institutet*

Ann-Sophie Oppelt — Apr. - Jun. 2023
Project student — *Biomedicin Master Program at Karolinska Institutet*

Experience

Research Participant & Master Degree Project   Sep. 2019 – Jun. 2020
*Group of **Dr. Johan Holmberg**, Department of Cell and Molecular Biology, Karolinska Institutet*   *Solna, Sweden*

Erasmus$^+$ Traineeship Student   Jun. 2019 – Aug. 2019
*Group of **Prof.Dr.Dr. Hannelore Ehrenreich**, Max-Planck Institute for Experimental Medicine*   *Göttingen, Germany*

Research Participant   Oct. 2018 – Jun. 2019
*Group of **Prof. Olle Larsson**, Department of Oncology-Pathology, Karolinska University Hospital*   *Solna, Sweden*

Project Leader   May. 2016 – May. 2018
Southwest University   *Chongqing, China*

- The 9th National Students' Platform for Innovation and Entrepreneurship Training Program funded by the Ministry of Education, PRC

Exchange Research Participant   May. 2016 – Aug. 2016
College of Saint Benedict & Saint John University   *Collegeville, Minnesota, The U.S.A.*

- Assisted **Dr. Katherine Furniss** on exploring pine migration via sequencing of existing pine varieties

Skills

Languages: Chinese (Native); English (Fluent); Swedish (Beginner)

Biological experiment: Cell culture, Western Blotting, PCR, immunoprecipitation, Co-IP, ChIP, plasmid construction, DNA fiber assay, Immunofluorescence, FACs, CRISPR/Cas9 system

Animal related experiment : Done the research on rare minnow, zebra fish, mouse and rat. Including husbandry, sample uptaking, injection and immunofluorescence of tissue. Generate human-mouse Chimera

Biostatistics: R, GraphPad Prism

Bioinformatics: UPPmax server operating, RNA-seq downstream analysis, MS analysis

IT skills : Python, Microsoft Office, Adobe Photoshop, Adobe Illustrator, LaTex