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Highly-motivated and detail-oriented biomedical research scientist with 8 years' hands-on research experience. Possesses strong interpersonal skills and the ability to work collaboratively and cross-functionally. Articulate confident communicator with experience in developing peer-level relationships with thought leaders in liver diseases and toxicology.

QUALIFICATIONS

- Advanced education & research experience in toxicology, and hepatology, and molecular cell biology
 - Education & training in clinical medicine, and continually educated in hepatology states and merging therapies
 - Proficient hands-on experience in molecular biology, tissue culture, and animal handling
 - Proven abilities to quickly become an expert in a new area, including literature search, experiment design, protocol establishment, experiment execution, statistical analysis, troubleshooting, and result presentation
 - Demonstrated abilities to drive multiple projects in a fast-paced environment independently and collaboratively
 - Reliable working habits including record keeping, prioritizing, and meeting deadlines
 - Proficient verbal, written, and interpersonal communication skills targeting scientists, clinicians, and general audience
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PROFESSIONAL EXPERIENCE

Stanford University, Stanford, CA, U.S.A.

Postdoctoral Scholar, Dept. of Gastroenterology & Hepatology **03/2019-present**
• Establishing a novel mouse model to study non-alcoholic fatty liver disease-related liver cancer

University of Kansas Medical Center (KUMC), Kansas City, KS, U.S.A.

Postdoctoral Fellow, Dept. of Pharmacology, Toxicology & Therapeutics **12/2018-02/2019**
• Worked on pharmacological targeting mitochondria function to protect alcoholic liver disease
• Provided technical and scientific guidance to junior lab members

Graduate Research Assistant, Dept. of Pharmacology, Toxicology & Therapeutics **09/2012-10/2018**

Work independently or collaboratively with internal and external researchers to deepen the understanding of the role of autophagy and Nrf2 pathway in liver diseases and liver cancer

- Present in weekly meetings, gather feedback from supervisors and colleagues, and drive multiple projects
- Independently established an adipocyte study pipeline (*in vivo*, *ex vivo*, & *in vitro*) in a liver lab
- Analyzed the data of an image-based drug screening, selected target drugs, and validated *in vitro* & *in vivo*
- Characterized the role of autophagy in cancer drug treatment and chemotherapy resistance *in vitro*
- Firstly characterized the liver inflammation and steatosis in several transgenic mouse strains and their response to drug, alcohol, starvation, and tumorigenesis, and identified the mechanistic contribution of autophagy
- Help PIs and lab managers to prepare animal protocols and manage breeding
- Shadowed *in vivo* toxicology testing pipelines in CROs
- Published 3 research articles (with 1 more in preparation) as first author and 5 research articles as co-author
- Received 1 fellowship (KUMC *Biomedical Research Training Program*, 2017) and 8 travel awards
- Was invited for 2 literature reviews, 4 comment reviews, and 11 oral/poster presentations in national/regional meetings, and peer-reviewed 15+ articles under PI's guidance

Hubei Medical Association, Wuhan, Hubei, China

Intern Assistant Editor, *Lin Chuang Wai Ke Za Zhi (Journal of Clinical Surgery)* [in Chinese] **09/2010-08/2012**
Worked with chief editor to proofread 20-30 abstracts in English every month for a peer-reviewed journal

Tongji Hospital affiliated to Huazhong University of Science & Technology, Wuhan, Hubei, China

Research Trainee, Institute of Liver Disease **09/2010-06/2012**

Worked with PIs and senior researchers to study the molecular mechanisms and treatments of liver cancer

- Performed bench experiments, analyzed data, and discussed with leading researchers
- Interacted with surgeons to acquire patient samples for biomedical experiments
- Met and presented weekly to share what is new in the field of liver research and therapeutics
- Translated U.S practice guidelines for local hepatologists

Medical Intern, Various Departments

01/2009-06/2011

Rotated to shadow, assist, and practice medical procedures under the supervision of residents

- Admitted inpatients, collected medical history, performed physical exams, reported to senior clinicians, ordered tests, filed medical information into database, executed medical procedures, and wrote discharge summary/transfer note
- Talked with patients and their relatives for informed consent, notice of critical illness, and health education
- Interacted with patients, clinicians, nurses, and other hospital staff to ensure the execution of medical procedures
- Helped to recruit and follow up patients and volunteer subjects for Phase III & IV clinical trials

EDUCATION & TRAINING

Ph.D., Toxicology

Dept. of Pharmacology, Toxicology & Therapeutics, University of Kansas Medical Center, U.S.A. (2018)

B.Med., Clinical Medicine

Tongji Medical College, Huazhong University of Science and Technology, China (2011)

B.A. (Minor), English Language and Literature

Foreign Languages College, Central China Normal University, China (2011)

Big Data Training for Translational Omics Research, Purdue University, U.S.A. (2018)

Methods to Promote Data Reproducibility in Laboratory Research, University of Kentucky, U.S.A. (2019)

PROFESSIONAL AFFILIATIONS

American Association for the Study of Liver Disease (2019)

LAB SKILLS

- DNA/RNA/protein extraction, immunoblot, PCR, RT-qPCR, ELISA, and other common bioassays
- Mammalian cell culture, primary cell isolation, siRNA/shRNA/plasmid/lentivirus/adenovirus delivery
- Rodent handling and common procedures including breeding, dosing, and blood & tissue collection
- General histology, cryosectioning, immunohistochemistry, immunofluorescent staining, confocal microscopy
- Data analysis & presentation: Microsoft Office, GraphPad Prism, Image J, SPSS, R

EXTRACURRICULAR ROLES

- **Volunteer**, Kauffman Center of Performing Arts (2015-2019, 140+ hours)
- **Volunteer**, International Student Inc. (2014-2019)
- **President**, Chinese Students & Scholars Association of KUMC (2013-2014)

SELECTED PRESENTATIONS

- **Oral presentation**: Society of Toxicology Central States Regional Chapter (2018), Midwest Liver Symposium (2018), Experimental Biology (2015, 2016), KUMC Student Research Forum (2014-2018)
- **Poster presentation**: Liver Meeting (2017), Society of Toxicology Central States Regional Chapter (2015, 2016)
- **Panel member**: EVC Diversity and Inclusion Annual Symposium (2018)

SELECTED PUBLICATIONS

- **Li Y**, Ni HM, Jaeschke H, Ding WX. (2019) *Liver Res.* [In Press]
- **Li Y**, Chao X, Yang L, Lu Q, Li T, Ding WX, Ni HM. (2018) *Am J Pathol.* PMID:29803835
- **Li Y**, McGreal S, Zhao J, ...et al. (2016). *Pharmacol Res.* PMID:27168224

For a full list of publication records, please visit

<https://www.ncbi.nlm.nih.gov/sites/myncbi/1vuMhIOnzxbkj/bibliography/42909238/public/?sort=date&direction=ascending>