

YINGJIE Li

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SUMMARY

- Skilled in programming and model development in large healthcare data (SAS, R, SQL, Linux)
- Five years experiences on clinical trials and researches
- Familiar with HIPPA, EPIC, IRB and GCP regulations

EDUCATION

- **Tulane University School of Public Health Tropical Medicine (SPHTM)** 2017.12
M.S. in Biostatistics (GPA: 3.897)
- **Chongqing Medical University / Huazhong University of Science and Technology (HUST)** 2015.07
Clinical Medicine (M.D. equivalent)

PROFESSIONAL EXPERIENCES

Graduate Research Associate 2022.01-Present

The Ohio State University Department of Biomedical Informatics | Columbus, OH

- Conducted comprehensive analysis of scRNA-seq datasets, including integration, identification of differential expressed genes, and functional pathway analysis.
- Contributed to the project titled “HPV oncogene and host cell differentiation associated cellular heterogeneity via single-cell transcriptomic analysis in cervical cancer” through data analysis and writing.

Biostatistician 2019.07-2021.08

SKIE. LLC | Columbus, OH

- Assist in providing statistical plan for assigned projects and model building.
- Participated in the development of operations and procedures for the collection, editing, verification and management of data.
- Wrote R and Linux scripts to perform data analysis
 - Performed analysis using PLINK and survival model to explore significant SNPs associated with Glaucoma disease.
 - Applied longitudinal time series model to detect post-surgery intraocular pressure changes with gene sequencing and other phenotypes.

Research Specialist and Data Analyst 2018.01-2019.05

Montefiore Medical Center | New York, NY

- Raw data processing into standard dataset using R and SAS (Macros & SQL) programming.
- Developed of Statistical Analysis Plans (SAP) on Non-Alcohol Fatty Liver Disease (NAFLD) clinical trials to address research questions using demographic, serologic, imaging and histologic data.
- Applied statistical models in SAS programming for evaluation of a new medical ultrasound device on NAFLD diagnosis.
- Designed and published a paper as co-author about study of vitamin D and fatty liver disease, including data design and analysis, results interpretation, tables & figures plotting, manuscript drafting.

Research Assistant 2015.11-2017.12

Tulane University School of Public Health Tropical Medicine (SPHTM) | New Orleans, LA

- Participated in SQL database design to manage over 10,000 study subjects' demographic information, physical exam data, and DEXA imaging (Louisiana Osteoporosis Study)
- Designed a new method called Double Moderate Welch Test to improve prediction of Schizophrenia on large scale fMRI dataset (41,23653 * 63 * 46 voxels). (Thesis: Augmenting multi-ethnic image signals to enhance schizophrenia prediction)
- Worked as SAS programming TA

Residency

2012.07-2015.06

The First Affiliated Hospital of Chongqing Medical University | Chongqing, CHINA

- Finished rotation in departments including GI surgery, Orthopedics, Vascular surgery, Neurology, OB&GYN, Nephrology, Endocrinology, Neurology, Infectious Diseases, Ultrasound.
- Designed and conducted three clinical research projects: VEGF-B and Metabolic Syndrome, Inflammatory Factors and Diabetes, Gene Mutation and Porphyria.

Certificates

SAS Certified Advanced Programmer	2017.04
SAS Certified Base Programmer	2016.12
Physician's Practice Certificate	2016.01
Medical Practitioner License	2014.12

POSTER

- 10/2018 North American Society for Pediatric Gastroenterology, Hepatology and Nutrition | Hollywood, FL
Nonga D, Prendaj E, Li Y, et al. Identifying Patients with Lysosomal Acid Lipase Deficiency within a High-Risk Patient Population

PUBLICATIONS

- Li Y, Wang C, Ma A, et al. (2023) Identification of HPV oncogene and host cell differentiation associated cellular heterogeneity in cervical cancer via single-cell transcriptomic analysis. J Med Virol. (under review)
- Patel U, Malik P, Li Y, et al. (2021) Stroke and HIV-associated neurological complications: A retrospective nationwide study. J Med Virol. 93(8):4915-4929
- Rudolph B, Selig T, Li Y, et al. (2021) Relationship of Vitamin D Deficiency and Fatty Liver in Children as Defined by Multiple Imaging and Histologic Endpoints. JPGN Reports. Volume 2-Issue 2-p e077 (**co-first**)
- Li Y, et al. (2015) Novel A219P mutation of hydroxymethylbilane synthase identified in a Chinese woman with acute intermittent porphyria and syndrome of inappropriate antidiuretic hormone. Ann Hum Genet. 79(4):310-2.
- Liu F, Qu H, Li Y, et al. (2015) Relationship between serum secreted frizzled-related protein 4 levels and the first-phase of glucose-stimulated insulin secretion in individuals with different glucose tolerance. Endocr J. 62(8):733-40.
- Zhang R, Yao W, Qian P, Li Y, et al. (2015) Increased sensitivity of human lung adenocarcinoma cells to cisplatin associated with downregulated contactin-1. Biomed Pharmacother. 71:172-84
- Liu Z, Li Y, et al. (2014) Case report of acute intermittent porphyria with inappropriate antidiuretic hormone syndrome. Med J Chin PLA. 39(10): 843-844.
- Li Y, Deng H. (2015) Review: relationship of vascular endothelial growth factor B and lipid metabolism. Chongqing Medicine. (23):3280-3283.