

# XINRAN LUO

xinran.l@columbia.edu ▪ (+1)646-894-1702 ▪  
Mailbox B#217, 50 Haven Avenue, New York, New York 10032

## Education

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### Columbia University Mailman School of Public Health

Master of Public Health, *Epidemiology with Applied Biostatistics certificate*

New York, NY

*expected May 2020*

**Relevant courses:** Public Health Interventions, Health Systems, Design and Conduct of Observational Epidemiology, Applied Epidemiologic Research Methods (SAS programming), Data Science (R programming), Relational Databases and SQL Programming

### Central South University, Xiangya School of Medicine

Changsha, China

*Bachelor of Science in Medical Laboratory Science*

*July 2018*

• **Graduation Thesis:** *Study of Serum Procalcitonin Level in Candidemia Patients*

• **Graduation literature review:** *Research Progress on the Value of Procalcitonin in Biochemical and Clinical Diagnosis*

## Research Experience

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### Research & Education Center for Evidence-Based Medicine Cochrane Russia

Kazan, Russia

*Research Intern*

*June 2019-August 2019*

- Mapped patient flows and used Excel spreadsheets to subgroup 139 patients by multiple criteria such as co-morbidities, lab test results, modern clinical interventions and the types of prescribed cardiovascular medicines
- Calculated Defined Daily Dose for each patient and drafted a manuscript according to the results calculated by SAS about the evidence in assessing the rationality of patient management and drug consumption in the outpatient cardiological department of Inter-Regional Clinic Diagnostic Center in Kazan, Russia for the year 2008-2018
- Translated podcast transcripts from English to Russian and recorded podcasts in Russian to deliver the latest Cochrane evidence about rotavirus vaccine and school-based health-promoting policies and interventions

### *Expression and Ubiquitination of RPL38, TFRC, CKB and TPPP3 in Colorectal Cancer Cells*

Changsha, China

*Core member and Co-writer, National level research project*

*April 2016- April 2017*

- Utilized Western Blot and immunohistochemistry technologies to detect proteins independently
- Collaborated with 4 other team members in designing, implementing and report writing

## Professional Experience

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### The First People's Hospital of Foshan

Foshan, China

*Intern in Clinical Laboratory Department*

*July 2017 – June 2018*

- Analyzed chemical constituents, biomarkers and detected STDs, hand-foot-and-mouth disease, dengue fever and HIV etc. in body fluids such as blood, urine, and tissue samples, recorded abnormal findings and collaborated physicians to make diagnostic decisions
- Maintained quality results by verifying equipment function through routine equipment maintenance, calibrating equipment by approved testing procedures and monitoring quality control measures and protocols

### Foshan Entry-Exit Inspection and Quarantine Bureau

Foshan, China

*Intern*

*July – August 2016*

- Performed the blood sample tests each week to diagnose four infectious diseases, HBV, HCV, syphilis and HIV
- Classified different vectors each week, such as flies(1000+/week) and cockroaches(100+/week)
- Reviewed outbreak reports, such as the Severe Acute Respiratory Syndrome outbreak in 2002 in Guangdong

## Extracurricular Activities and Volunteering Activities

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- Stressbuster in Center for Student Wellness in Columbia University Medical Center (2019 and still happening)
- Host: Radio Station of Xiangya Medical School (2017-2018)

## Skills and Certifications

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- Programs: SAS, SPSS, R, SQL, MS Office (Access, Excel, Word, PowerPoint), Adobe Audition, Endnote
- Languages: Fluent in Chinese (Mandarin and Cantonese). Basic level of proficiency in Russian.
- Certifications: CITI Human Subjects Protection and HIPAA Patient Privacy, Public Nutritionist