



MEDICAL COLLEGE
OF WISCONSIN

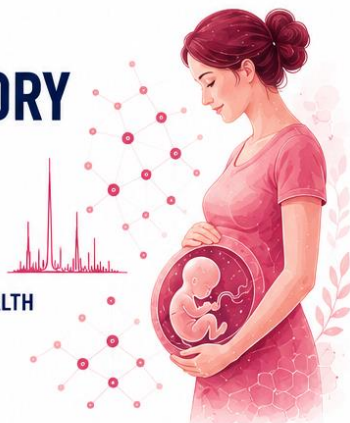
knowledge
changing life®

DEPARTMENTS OF
OBSTETRICS & GYNECOLOGY
AND BIOCHEMISTRY

Join the LIANG LABORATORY Postdoctoral Research Fellow

**METABOLOMICS • MATERNAL-FETAL HEALTH
TRANSLATIONAL RESEARCH**

*Advancing metabolomics discoveries
to improve outcomes for mothers and babies.*



Cutting-edge metabolomics to uncover the molecular mechanisms of maternal-fetal complications and to discover biomarkers and therapeutic targets.



OUR RESEARCH

We apply cutting-edge metabolomics and multi-omics approaches to uncover molecular mechanisms of pregnancy complications—including a broad spectrum of maternal-fetal complications—and to identify biomarkers and therapeutic targets.



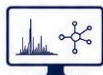
Human Biospecimens

Well-characterized maternal and fetal cohorts and clinical samples



Metabolomics & Multi-Omics

Untargeted LC-MS/MS to profile metabolites across pregnancy



Data Integration & Bioinformatics

Systems-level analysis to identify molecular signatures and pathways



Biological Insight & Translation

Mechanistic studies to inform biomarker discovery and therapy

RESEARCH HIGHLIGHTS



Pregnancy Metabolomics

Comprehensive profiling of maternal metabolites across gestation.



Maternal-Fetal Complications

Biomarkers for complications including preterm birth, hypertensive disorders, GDM, and more.



Mechanistic Studies

Mouse models and cellular assays to define molecular mechanisms.



Translational Impact

Bridging discoveries to improve maternal and neonatal health.



WHY JOIN THE LIANG LAB?



Build a New Program

Be part of a new, translational metabolomics program with tremendous growth potential.



Interdisciplinary Collaboration

Work at the interface of basic science and clinical medicine with collaborators across OB/GYN, Biochemistry, Chemistry, Biostatistics, and more.



Access Unique Resources

Leverage well-phenotyped human pregnancy cohorts, biospecimens, and state-of-the-art metabolomics infrastructure.



Cutting-Edge Science

Hands-on experience with untargeted LC-MS/MS (Orbitrap Exploris 240), bioinformatics, and multi-omics integration.



Career Development

Strong mentoring, training, and support to help you grow as an independent scientist and leader.



High-Impact Opportunities

Opportunities to publish in leading journals and pursue independent funding.



WHO SHOULD APPLY?

We welcome outstanding candidates with a PhD, MD/PhD, or equivalent degree in:

- Chemical Biology / Biochemistry
- Computational Biology / Bioinformatics
- Biostatistics / Data Science
- Cell Biology
- Molecular Biology



APPLY TODAY!

Scan the QR code or click the link below to view the full position and apply online.



https://mcw.wd503.myworkdayjobs.com/ExternalCareers/job/Milwaukee-WI/Postdoctoral-Researcher---OBGYN_JR103260

*Review of applications will begin immediately
and continue until the position is filled.*



CONTACT

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LEARN MORE ABOUT OUR LAB

Explore our research, projects, and publications.

<https://obgyn.mcw.edu/research/research-laboratories/liang-lab/>

*Together, we can improve
the future for mothers
and babies.*

