



Postdoctoral positions: Biochemists with experience in molecular biology, NGS sequencing and Mass spectrometry for research in fetal maternal health (Michigan, USA)

Multiple positions are available in the laboratories of Dr Sascha Drewlo and Dr Armant at the Center of Advanced Trophoblast Biology. We are located in Detroit and Grand Rapids, at the universities of Wayne State and Michigan State (Michigan, USA). Positions are available at both locations. Embedded in an international network, our research is focused on basic and translational biology of the human placenta to explain the underlying mechanisms of placental disorders such as IUGR, preeclampsia and preterm birth. Furthermore, we work on paradigm shifting translational approaches for the early detection of disease as well as novel intervention strategies.

Projects focus on placental function experiments that involve cell and tissue culture and molecular analysis of specimen using standard molecular tools as well as various next gen omics and single cell technology approaches. We are currently funded by grants provided by industry, the NIH as well as university.

We are looking for highly motivated and dedicated biochemists and molecular biologists with published experience in applied molecular biology ideally combined with mass spectrometry and next generation sequencing experiments and data analysis experience. Pipeline development abilities a plus. Reproductive biology experience desired but not obligatory. Existing USA work permit is a plus. The ideal applicant will be motivated, flexible, collaborative, detail-oriented, with the ability to multitask, and committed to research excellence. He or she will be capable of effective data recording, demonstrate good organizational and communication skills. The positions are available immediately. Prior laboratory experience in cell culture, microscopy, animal models, and embryology is advantageous.

Requirements

- PhD in Biochemistry, Molecular Biology, ideally with a minor in Bioinformatics
- proven English language proficiency is a requirement
- competitive research experience
- efficient communicator and presenter
- Conduct independent scholarly research and develop new methods and protocols
- Participate in project planning, recording and evaluation of data
- Technical, lab management and grant writing
- Active participation in seminars, lectures, poster sessions and presentation at inter/national meetings
- Supervise junior lab members and assist with other research projects

We are an international and diverse team and offer competitive salaries with benefits and exposure to wide a range of technologies and research opportunities. If you are interested in joining our growing group please apply at www.drewlolab.com and submit a cover letter stating why you would like to work with us. Furthermore, provide a current CV and include publications with personal contributions to each. Lastly, include three letters of reference.



Research Assistant and or Associate positions, with experience in biochemistry, molecular biology and omics technologies, Michigan, USA

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We are looking for individuals who seek challenges to improve the lives of babies and mothers around the world by applying and developing new cutting edge technologies.

Responsibilities:

- Advanced knowledge of basic molecular biology techniques including: Isolation and purification of RNA and DNA (including plasmid mini and maxipreps), gel electrophoresis, library preparation for next generation sequencing, DNA fragment isolation, chromatin immunoprecipitation (ChIP) and PCR.
- Ability to utilize a range of biochemistry techniques to study protein expression including: flow cytometry, ELISA, Western Blots, sub-cloning, transfections, reporter assays and cell line maintenance.
- Ability to work independently with appropriate experimental and quality controls, as well as, to work collaboratively as part of a multifunctional team.
- Record data in research notebooks and report results and prepares data for presentation to the research group.
- Communicate effectively (verbal, written) with group members as well as with outside vendors.
- General lab duties such as preparation of reagents, stocking of supplies and work area cleaning as well as performing additional job related duties as required.

Essential requirements:

- Experience with cell and/or tissue culture and willingness to work with human specimens.
- Technical proficiency, ability to learn new techniques quickly, effective problem solving and critical thinking skills are required.
- Ability to troubleshoot within scope of training
- Ability to consistently meet deadlines.
- English proficiency and efficient communicator, grant writing skills

Qualifications:

- Bachelor's degree required for Research Assistant
- Ph.D. required for Research Associate
- Meets legal requirement to work in the USA

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