Research Associate (Postdoc) – Saha/Ashton Labs

The Ashton and Saha Labs in the BIONATES Theme at the Wisconsin Institute for Discovery (WID) seek a postdoctoral research associate. We invite you to learn more about our labs by visiting: [http://wid.wisc.edu/research/bionates/research/](http://wid.wisc.edu/research/bionates/research/)

**Requirements:** The ideal candidate will have a PhD in biomedical or chemical engineering, bioengineering, genomics or a related field. This person should have a strong background in molecular biology techniques as well as considerable experience in stem cell culture preferably with human pluripotent stem cells (hPSCs). Familiarity or interest in gene editing and deriving differentiated neural cells/tissues from hPSCs is required.

**Job Duties:** The research associate will work on Burroughs Wellcome and EPA funded research projects to derive 2-D and 3-D neural tissues from hPSCs for regenerative medicine, disease modeling, drug discovery, and toxicity screening. The researcher will be involved in several projects that are both independent and synergistic with other collaborative tissue engineering initiatives on campus. Experiments will entail the use of advanced gene editing techniques, standard immunocytochemical detection assays, confocal imaging and analysis, biomaterials, and standard gene expression assays including quantitative PCR and next-generation RNA sequencing. The research associate will be expected to conduct complex experiments, statistical analysis, interpret findings in light of contemporary literature, and write up results for presentations, publications, and patents. Also, the research associate will assist with training and supervision of student research associated with parent grant projects.

**Salary:** $42,840 (NIH Standard)  
**Percent time:** 100% (Full time)  
**Deadline to Apply:** Open until filled  
**Information for prospective University of Wisconsin-Madison postdoctoral scholars:**

[http://grad.wisc.edu/postdocs/](http://grad.wisc.edu/postdocs/)  

**To Apply**  
Send a cover letter and CV to:  
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