



Working Title: **Scientist - Transplantation**

Official title: SENIOR SCIENTIST(E10BN) or ASSOCIATE SCIENTIST(E10FN) or ASSISTANT SCIENTIST(E10LN)

Degree and area of specialization:

PhD required, preferably in biochemistry, molecular biology, cell biology or related discipline.

Minimum number of years and type of relevant work experience:

2 or more years post-doctoral experience is preferred. A background in cellular and/or molecular immunology is essential. A background in qPCR and microchimerism analysis is also a plus.

Ability to design and troubleshoot scientific problems related to molecular biology, immunohistochemistry and micro-array analysis.

Experience with manuscript and grant writing.

Strong written and presentation skills to co-author research proposals for grant submission as well as abstract and manuscript submission for presentation and publication.

Principal duties:

The Department of Surgery, Division of Transplantation is currently recruiting for a Scientist to join a strong research program in transplantation immunobiology. The successful candidate will identify research problems in human and mouse MHC-restricted T cell responses to self and allo-antigens. Potential projects include the discovery of the basis of DR/DQ-restricted Th17-mediated autoimmunity to collagen V , development of new assays of allo- and self peptide-specific T cells including ATP flux and inflammasome activation, and testing hypotheses that explain how maternal/fetal cell exchanges result in lifelong microchimerism and evoke either tolerance or sensitization.

We are seeking a candidate with a passion for learning, with scientific leadership and a talent for understanding and supervising a broad range of duties encompassing not only academic responsibilities as a scientist, but also duties related to laboratory management and database organization.

The individual will be responsible for grant writing in an effort to attract extramural funding. In addition, the incumbent will be responsible for scientific presentations to local, regional and national meetings and scholarly publications.

The candidate will also be responsible for:

- Supervision and coordination of research staff.
- Programming, troubleshooting, and maintaining laboratory equipment used in laboratory.
- Evaluation of new technologies related to the laboratory research mission which would involve testing, data analysis, interpretation, and generation of evaluations for reports or presentations; analysis of experimental data; and recommendations for research direction.
- Interaction with individuals of various technical backgrounds, e.g., undergraduate and graduate students, technicians, scientists and medical professionals in the field of transplantation.
- Facilitation and promotion of the training and development of our graduate students.

Additional Information:

Demonstrated ability to work independently and within a group.

Proven analytical thinking processes and problem solving. Demonstrated creative problem solving skills.

Highly developed verbal and written communication skills are required.

Ability to concurrently work on multiple assignments and balance priorities.

A criminal background check will be conducted prior to hiring.

A period of evaluation will be required



Employee class: Academic Staff
Department(s): SMPH/SURGERY
Full time salary rate: Minimum \$39,270 ANNUAL (12 months)
Depending on Qualifications
Term: This is a renewable appointment.
Appointment percent: 50% - 100%
Anticipated begin date: September 1, 2011
Number of positions: 1

Department Contact:

Katie Tollefson
H4/367 CSC
600 Highland Ave
Madison, WI 53792-0001

Phone: 608-265-2911
Phone TTY: 608-263-2473
Fax: N/A
Email: [tollefo@surgery.wisc.edu](mailto:tollefso@surgery.wisc.edu)

HOW TO APPLY:

Unless another application procedure has been specified above, please send resume and cover letter referring to Position Vacancy Listing # 71254 to the contact indicated above.

To ensure consideration, application must be received by: August 22, 2011

NOTE: Unless confidentiality is requested in writing, information regarding the names of applicants must be released upon request. Finalists cannot be guaranteed confidentiality.

UW-Madison is an equal opportunity/affirmative action employer. We promote excellence through diversity and encourage all qualified individuals to apply.

For more academic job opportunities at the University of Wisconsin-Madison please see http://www.ohr.wisc.edu/pvl/pvl_internet_report_home.html

For more information on the University of Wisconsin-Madison Office of Human Resources please see <http://www.ohr.wisc.edu/>

*For more information on the University of Wisconsin-Madison see our home page at <http://www.wisc.edu/>
For UW Madison Campus Safety Information see <http://www.wisc.edu/students/faculty/safety.htm>*