
JOB DESCRIPTION**POSITION:** Research Fellow**DEPARTMENT:** Research Ophthalmology**REPORTS TO:** Dr. Joseph Ciolino**DATE:** August 2020

POSITION SUMMARY:

This position is for a 'Research Fellow,' who will conduct research in the area of corneal wound healing. The fellow will investigate molecular and cellular mechanisms involved in cell-cell communication between the different corneal layers, more specifically, they will investigate the role of extracellular vesicles in corneal wound healing, and determine if extracellular vesicles can be "loaded" with certain "cargo" (i.e. growth factors, cytokines, or drugs) that would be useful as therapeutics to promote healing with minimal generation of scar forming myofibroblasts.

ESSENTIAL FUNCTIONS:

- Design and execute *in vitro* and *in vivo* experiments required to achieve research aims in the project.
- Work independently and as part of a team
- Meet regularly with the mentor to review project status, and design new research strategies for the progression of the research project.
- Read, analyze and summarize published literature to know current research work and gain intellectual and technical expertise in the field.
- Write a final report or submit a manuscript to a peer-reviewed journal describing the project and results
- Prepare presentations and exhibit research work in various national and international scientific meetings and conferences
- Undertake relevant coursework if required by the mentor.
- Attend relevant meetings
- Take administrative (inventory, purchasing, etc.) responsibilities in the lab when necessary

EDUCATION AND EXPERIENCE:

Doctoral degree (MD or PhD) with >6 months of pre/postdoc lab research experience

WORKING CONDITIONS:

Lab setting

PHYSICAL REQUIREMENTS:

Possible lifting of 10 to 20 lbs., depending on nature of chosen project(s).

HIPAA Privacy Training and Sanctions

All employees who have access to health information whose confidentiality is protected by the HIPAA Privacy Rule are required by the Rule to receive training so that they have an understanding and knowledge of the Privacy Rule that corresponds to their job responsibilities and of the group health plan's policies and procedures that impact on their job duties. Training on the requirements of the HIPAA Privacy Rule and the plan's health information policies and procedures under the direction of the institution's privacy officer is a pre-requisite for this position.

Employees who violate the requirements of the HIPAA Privacy Rule will be subject to discipline, up to and including termination.

This description is intended to indicate essential tasks and levels of work difficulty that will be required of positions that will be given this title. It is not intended to limit or in any way modify the right of supervisors to assign, direct, or control the work of staff members under their supervision. The use of a particular expression or illustration describing duties shall not be held to exclude other duties not mentioned but that are of similar kind or level of difficulty.