



# Weill Cornell Medicine

## WEILL CORNELL MEDICINE POSITION DESCRIPTION

Position: **Research Technician II**

Department: Medicine, Division: Hematology/Oncology, Meyer Cancer Center

Reports to: Effie Apostolou, PhD

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Website: [www.apostoloulab.com](http://www.apostoloulab.com)

### **POSITION SUMMARY**

The Apostolou lab is studying molecular mechanisms governing cell fate changes during somatic cell reprogramming, development and tumorigenesis ([www.apostoloulab.com](http://www.apostoloulab.com)). We are looking for enthusiastic and driven candidates with passion for science and high sense of responsibility. The successful candidate should split their responsibilities at a 30:70 ratio between taking care of general lab organization/management and performing research for ongoing exciting projects. They will be an integral part of a diverse and expanding research team, participate in lab meetings, journal clubs and ongoing or future manuscripts.

### **POSITION ACTIVITIES**

- 1) Cell Culture of embryonic stem cells and cell lines.
- 2) Plasmid preparation. Virus preparation. Cell infection and transfection.
- 3) Standard molecular biology assays (e.g. DNA, RNAs, protein extraction, cloning, PCR, Western Blot)
- 4) Training on and execution of advanced biochemical assays (e.g. Chromatin and protein Immunoprecipitation, Chromosome Conformation Capture, library preparation for next-generation sequencing)
- 5) Advanced microscopy methods (e.g. DNA/RNA FISH, time-lapse live imaging)
- 6) Mouse handling, breeding, genotyping. Isolation of mouse tissues from adults or embryos.
- 7) Organize equipment and reagents. Place and organize orders. Ensure laboratory follows safety and environmental regulations.
- 8) Contact vendors and service personnel when needed.

### **MINIMUM REQUIREMENTS**

- 1) Bachelor's degree
- 2) Two-years minimum research experience.
- 3) High-degree of enthusiasm for science and experimental work.

- 4) Strong sense of responsibility.
- 5) Excellent communication skills.
- 6) Minimum 2-year commitment.

**HIGHLY DESIRED SKILLS AND ABILITIES**

Strong background in mammalian cell culture, cell and molecular biology and handling of mice. Ability to work both independently as well as in a team. Proven writing skills.

**The applicants should send a cover letter, their CV and the contact information of at least 2 referees to [efa2001@med.cornell.edu](mailto:efa2001@med.cornell.edu)**