

**Rowan–Virtua Health College of Medicine & Life Sciences**  
**Job Description**

**Job Title: Research Assistant**

**Department: Cell and Molecular Biology**

**Facility: SOM**

**Reports To: Shanmughapriya Santhanam**

**If interested, please email Priya Santhanam at [santhanam@rowan.edu](mailto:santhanam@rowan.edu)**

**Use subject format: Santhanam- Federal Work-Study Candidate.**

**SUMMARY:**

We are seeking a motivated DO student to participate in ongoing basic research projects focused on mitochondrial ion signaling and cellular bioenergetics. The student will work under the supervision of Priya Santhanam to gain hands-on experience in experimental design, data collection, and analysis.

**ESSENTIAL DUTIES AND RESPONSIBILITIES**

- Assist with day-to-day laboratory experiments and data recording.
- Perform cellular biology techniques; essentially Western blotting, cell culture, and spectrofluorometer measurements to measure mitochondrial ion uptake.
- Participate in sample preparation and biochemical assays.
- Collect and analyze data using standard software tools.
- Maintain accurate laboratory records and contribute to lab meetings.
- Follow institutional safety and compliance protocols.
- Assist with literature reviews and preparation of figures or reports as needed.

**QUALIFICATIONS:**

- Be a current **Rowan–Virtua Health College of Medicine & Life Sciences** student in good overall academic and financial standing.

**DESIRED SKILLS OR EXPERIENCE:**

- Strong interest in biomedical or translational research.
- Prior laboratory coursework or experience preferred.
- Excellent organizational and communication skills.
- Ability to work both independently and collaboratively in a research setting.

**LEARNING OPPORTUNITIES:**

- Exposure to experimental design and scientific reasoning.
- Training in basic laboratory and data analysis techniques.
- Experience interpreting and presenting research findings.
- Potential for authorship on abstracts or publications, depending on project involvement and contribution.