

Research Assistant Resume Sample

Katherine Davenport

Lab Research Assistant

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Summary of Qualifications

Columbia University MSc in Molecular Biology graduate (4.0 GPA, Graduated Magna Cum Laude) with 3+ years of experience assisting and overseeing research projects involving isolating and analyzing RNA, DNA, and protein. Seeking to join UPenn's Myeloma Research Team to leverage my data entry and lab maintenance skills to help the research team deliver accurate results.

Work Experience

Laboratory Research Assistant I

The University of Texas M. D. Anderson Cancer Center, Leukemia Research Team

2018–2019

- Maintained and established tissue culture cell lines
- Identified cell changes under the microscope, determining cell counts on hemocytometers and coulter counters with 98% accuracy
- Performed genotyping of mice in 4 cohorts (250 cages each)
- Isolated, purified, and analyzed RNA, DNA, and protein using ECL staining and gel electrophoresis autoradiography.

Key achievement: Introduced a new standard operating procedure for monitoring and shelving tissue culture supplies to increase efficiency by 33%.

Undergraduate Teacher Assistant

Columbia University

2016–2018

- Conducted deep research into 15 unique project topics as directed by professors. Commended by 3 professors for quality of research.
- Graded papers for two years, approximately 800 papers graded.
- Performed regular data entry tasks on student project grades.
- Provided feedback and guidance to 100+ students.

Research Assistant Experience

Various

2011–2016

- Worked as volunteer research assistant in local labs
- Commended by the head professor for accuracy and communications skills.
- Worked as part-time supervisor in local daycare for 6 months.

Education

MSc in Molecular Biology, Columbia University, New York, NY

2015–2018

3.9 GPA

Favorite fields of study: Molecular Biology and Genetics, The RNA World: A Functional and Computational Analysis, Cancer Cell Biology, Immunobiology

Extracurricular activities and achievements:

- President of the graduate student board 2015–2016
- Started and oversaw a volunteer research project investigating human evolutionary genomics
- Delivered an on-campus presentation on the impact of sex, conflict, and pathogens on modern genomes during the Annual Molecular Biology Conference

BSc in Biology, Penn State, Philadelphia, Bachelor of Fine Arts,

Cornell University, Cum Laude

New York City, NY

2011–2015

Peer-reviewed Publications

"Bibliometric Analysis of Biochemistry, Genetics and Molecular Biology Research Output." *Journal of Advancements in Library Sciences* 2, no. 2 (2018): 18-24.

"Methods in Plant Molecular Biology and Biotechnology." *Chronicle.com*

Technical Skills

- Data Entry
- Lab Maintenance
- ECL Staining
- Autoradiography

Transferable Skills

- Organization
- Project Management
- Teamwork
- Public Speaking