

SELENA ROSENBAUM

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EDUCATION

Doctor of Philosophy (Ph.D.) Molecular Biology

University of Boston, Boston, MA
September 2011 - May 2016

Bachelor of Science (B.S.) Molecular Biology

University of Boston, Boston, MA
September 2007 - May 2011

KEY SKILLS

- ◆ Molecular Biology
- ◆ Biochemistry
- ◆ Clinical Research
- ◆ Drug Discovery
- ◆ Assay Development

A Senior Biologist and Researcher with over 10+ years of professional experience, specializing in drug discovery, laboratory research, vitro assays, and cell-based assays. A proven track record of developing and leading research teams to conduct comprehensive studies of cardiovascular and metabolic diseases to support drug development.

PROFESSIONAL EXPERIENCE

Senior Research Scientist

Excelulor Inc., Boston, MA | May 2016- Present

- ◆ Manage a team of 20+ molecular biologists, scientists, and researchers to perform clinical research on the cellular immune response to Covid-19 variants, including conducting studies on the efficacy of vaccines after four months of inoculation
- ◆ Lead the development of a 12-month research study comparing the accuracy of PCR, rapid PCR, and rapid antigen tests in detecting viral molecules
- ◆ Coordinate all aspects of laboratory operations, refine quality control measures to ensure data integrity, and maintain compliance with Covid-19 safety guidelines

Research Scientist

Arcadia Inc., Boston, MA | May 2011 - May 2016

- Partnered with research teams in a matrixed environment to conduct assay development, created compound screens, and performed genetic manipulation of cells to simulate the immune response to cardiovascular and metabolic diseases
- Performed data mapping and visualization on findings, conducted quality assurance reviews to maintain the integrity of data, and collaborated with the team to present research