

JESSICA STRAIT

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(740) 591-4415

Greater NYC Area

Experience:

Sr. Laboratory Technician - Cell Culture and Cryopreservation

Rutgers University Cell and DNA Repository - New Brunswick, NJ February 2019 – September 2019

- Cultured, expanded, and cryopreserved 50+ immortalized cancer cell lines for delivery to clients.
- Maintained and documented the smooth running of a biological repository and its 200+ freezers and liquid nitrogen tanks.
- Prepared complex tissue culture media to rigorous client specifications.
- Maintained both suspension and adherent lines at manufacturing scale.
- Kept detailed records in laboratory information management software.

DNA Laboratory Technician - Molecular Genetics R&D

Molecular Technologies Labs - Athens, OH

February 2017 – June 2018

- Planned, coordinated, and performed daily laboratory activities to progress research and development in chromosomal and plasmid engineering: E. coli and S. typhimurium gene editing, PCR amplification, DNA purification preps, DNA cloning, ligation, bacterial transformation, gel electrophoresis, enzyme digestions, interpreting DNA sequencing chromatogram, data troubleshooting (SOP, cGMP, GLP).
- R&D of novel bacterial strains for industrial and pharmaceutical use.
- Interviewed, hired, and trained junior lab members and undergraduate interns.
- Lovingly maintained detailed and witnessed laboratory notebooks.

Research Laboratory Manager - Hayden Lab - Brain and Cognitive Sciences

University of Rochester - Rochester, NY

October 2014 – January 2016

- Managed and mentored junior laboratory technicians in data collection and the maintenance of a neurophysiology lab and daily enrichment care of non-human primate subjects.
- Designed and implemented a large data backup and cataloging project.
- Established and documented new guidelines and research protocols to meet the stringent FDA and USDA guidelines for an animal laboratory.

Research Laboratory Technician - Portman Lab - Biomedical Genetics

Univ. of Rochester Medical School - Rochester, NY

September 2011 – October 2014

- Created transgenic organisms for research, using breeding, cloning, and injection techniques.
- Managed and mentored junior laboratory technicians in maintenance of biomedical equipment.
- Interfaced with vendors, ordered lab supplies, and managed deliveries.
- Designed and presented posters of original data at conferences and meetings.
- Publication in *Journal of Neuroscience*. doi: <https://doi.org/10.1523/JNEUROSCI.4352-13.2014>

Research Assistant - Peters Lab - Dept. of Biology

Oberlin College - Oberlin, OH

January 2010 – September 2011

- Conducted a genome-wide RNAi screen for behavioral mutants in *C. elegans*.
- Poster presentation at international conference.

Education:

University of Rochester

September 2013 – May 2014

Oberlin College

Bachelor of Arts in Biology

September 2007 – May 2011

Ohio University

June 2001 – August 2008