

# JESSICA STRAIT

Laboratory Manager - Greater NYC Area - (740) 591-4415 - jstrait515@gmail.com

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## Experience:

### Senior Laboratory Technician

**Rutgers University Cell and DNA Repository** - New Brunswick, NJ **Feb 2019 – Sep 2019**

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

### Laboratory Manager

**Molecular Technologies Laboratories** - Athens, OH **Feb 2017 – Jun 2018**

- Interviewed, recruited, managed and mentored junior laboratory technicians in the daily activities related to 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.
- Lovingly maintained detailed and witnessed laboratory notebooks.

### Research Laboratory Manager

**Brain & Cognitive Sciences Dept. - Univ. of Rochester** - Rochester, NY **Oct 2014 – Jan 2016**

- Managed and mentored junior laboratory technicians in data collection and the maintenance of a neurophysiology lab and its 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.

### Laboratory Technician III

**Biomedical Genetics Dept. - Univ. of Rochester Med. Sch.** - Rochester, NY **Sep 2011 – Oct 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.

### Research Assistant

**Dept. of Biology - Oberlin College** - Oberlin, OH **Jan – Sep 2011**

- Conducted a genome-wide RNAi screen for behavioral mutants in *C. elegans*.

## Education:

**University of Rochester** **Continued education** **Sep 2013 – May 2014**

**Oberlin College** **Bachelor of Arts** **Sep 2007 – May 2011**  
Biology Major, Chemistry Minor

**Ohio University** **Courses concurrent with High School** **Jun 2001 – Aug 2008**