

Research Technician

We are looking for energetic, self-starters who can contribute to peptide synthesis, formulation development processes and various biological assays (in vitro and in vivo). This position will allow you to participate directly in the production, purification and quality control aspects of research grade drug candidates that will be used in subsequent in vitro and in vivo studies. Furthermore, the candidate will focus on developing oral formulation candidates for Longevity Biotech (LBT) patented peptides called 'Hybridtides®'. The candidate will work closely with scientists in evaluating the pharmacokinetics and efficacy parameters of oral Hybridtide® formulations in rodents and animal tissues. Likewise, he/she will have an opportunity to employ analytical chemistry knowledge towards quantitative bioanalysis of Hybridtides®. Lastly, the candidate will be expected to run in vitro assays with guidance from a senior scientist and will have the opportunity to be trained and conduct various in vivo assays (in small rodent models). The candidate is expected to record, analyze and present experimental data to other scientists at LBT labs. As a startup, we have a fast-paced work environment with the expectation of producing high quality results within the predefined timelines. Our assays incorporate a significant amount of automation, so the candidate will also be exposed to industry standard technology and QA/QC techniques.

Roles

Assist in Hybridtide® production process including:

- Automated peptide synthesis
- Maintain production batch records & performance metrics
- Maintain reagent and laboratory supply inventory

Assist in formulation development and testing:

- Help prepare formulations of Hybridtides® with various pharmaceutical excipients
- Utilize automated liquid-handling robotic systems, for high-throughput efficacy testing of oral formulations
- Help prepare samples for quantitative bioanalysis of Hybridtides® from animal tissue matrices
- Collect blood and tissue samples from rodents for pharmacokinetic studies

Assist in cell-based assays:

- Practice sterile techniques in a biohazard hood
- Collect various cell assay readouts using plate readers or microscopy

Ideal Candidate Profile

- Bachelor degree in biochemistry, bioengineering, biology or equivalent
- 3 years previous laboratory experience
 - Work experience with strong acids and bases
 - Experience with analytical (micro) pipetting
 - Previous training in a biosafety cabinet for sterile cell culture techniques
 - Experience with basic scientific calculations (Molarity, Normality, Percent composition, etc...) required
 - General knowledge of basic laboratory skills and record keeping is expected
- Ability to follow a defined workflow process while providing routine feedback
- Must exert close attention to details while following a routine schedule
- Experience handling of hazardous materials such strong acids and strong bases
- Rodent handling is a plus. Experience in collecting blood and animal tissues is desirable.

Longevity Biotech offers individually-tailored compensation packages which include competitive cash compensation and meaningful equity participation, continuous career development, transit and health benefits.

Longevity Biotech is an Equal Opportunity Employer.