

Senior Research Associate I

Professional & Managerial Band 05

Positions at this level independently plan and execute non-routine assignments of varying complexity, requiring deep knowledge of related scientific theory, principles and practices. These positions typically work at a senior level, with responsibility for supervising others in the research project.

Typical Duties may include some or all of the following:

- Based on general guidelines and/or broad objectives provided by principal investigator, independently designs and implements a research plan; Develops hypotheses and theories, and translates research program objectives into workable routines
- Performs complex laboratory experiments and plays a key role in data evaluation, interpretation and preparation
- Contributes to, or co-authors scientific papers; writes manuscripts, laboratory protocols, grant proposals and other research presentations and documentation
- Investigates new hardware, software, and/or research methodologies to assist with research protocols
- Liaise with internal/external researchers for information exchange and collaboration of efforts
- Prepares and presents research results at conferences
- Develops and writes trial protocols (outlining the purpose and methodology of a trial)
- Identifies opportunities for collaboration, and research funding; drafting funding proposals and partnership agreements

Decision Making/Accountability: Sound judgement in determining optimal experimental approaches and techniques in order to obtain required research results. Application of scientific theory and principles in order to analyze and interpret results and adapt and modify procedures as needed.

Contacts/Interpersonal Skills: Contacts and interactions extend beyond associates within their work area or research project; Acts as liaison with internal/external researchers and industry partners to foster collaboration, and present at conferences.

Supervision Received: Incumbent makes day-to-day decisions based on general guidelines provided; Consults with supervisor on unusual problems, or decisions that are outside of general guidelines.

Supervision Exercised: Oversees the work of other research staff with full managerial/supervisory responsibility, and/or this position may provide technical expertise and guidance to junior level researchers and/or students. May include advising/supervising undergraduate and/or graduate students.

Working Environment: Work may be performed in an office, laboratory, or field work outside, with potential exposure to outdoor elements, temperature extremes, chemicals and/or hazardous materials or equipment. May operate machinery or equipment or work with animals, where there is an increased risk of injury.

Minimum Qualifications:

- Master's degree in relevant discipline, with a minimum 2 years of related experience
- Or equivalent combination of education and experience (some roles may require more extensive experience or training in a particular area of research)