Senior Research Specialist

The University of Illinois at Chicago Department of Radiology seeks applications for a Senior Research Specialist.

Job duties includes:

Research

- Develop objectives and design of research and data collection procedures. Conceptualize, initiate and execute research goals for project.
- Conduct and coordinate advanced research experiments. Analyze and interpret data and results and refine experimental design.
- Develop and write advanced experimental protocols.
- Evaluate current developments and research findings to determine their potential applicability to research projects.
- Replicate, refine and add/develop new research approaches based on project needs. Advise on new direction for research based on experimental results.

Communications

- Monitor project developments on an ongoing basis and implement changes as needed.
- Prepare, organize and communicate research results. Write papers, grants, and other documents for publication based on research findings.
- Author and co-author articles for publication and present at scientific symposia and conferences.

Staff Management

- May act as supervisor or team lead in directing and coordinating the work of lower level staff. Guide, train and advise lower level researchers and students on techniques, methods and procedures.
- Plan, assign and review work of staff to ensure that group objectives are met. Hire, train, develop and manage staff to ensure that a qualified staff exists to meet group objectives.
- Conduct experiments related to an innovative transgenic pig cancer model currently funded by the NIH and industry contracts;
- Undertake work related to preclinical and clinical biospecimen procurement and processing for cancer genomic analyses;
- Conduct scientific experiments and analyses, perform complex data collection and laboratory techniques, analyze and evaluate test and research results, communicate results in a timely manner to team members across work sites;
- Replicate, refine, and add new research approaches based on project needs; test, customize, and implement new methods, procedures, and techniques;
- Develop and write Institutional Animal Care and Use Committee (IACUC) and Institutional Review Board (IRB) protocols for submission and approval; maintain approval of new and existing protocols;
- Monitor project developments on an ongoing basis; propose and implement changes as needed;
- Assist with lab management responsibilities, including maintenance of clinical and preclinical biorepositories, ordering of laboratory supplies, and onboarding and training of new laboratory personnel.
- Perform molecular biology and cell culture techniques, including collection, processing, and storage of tissues, cell isolation, purification, and maintenance in culture, cell staining, DNA/RNA extraction, PCR, and qPCR;
• Contribute material, prepare results and assist in the writing of research findings for publications, papers, presentations, grants, and other documents for publication.

**Job Knowledge & Skills, Education, Experience**

• Bachelor’s degree in science or related field required. Master’s degree in science preferred.
• A minimum of 5 years related research experience.
• Possess and applies advanced knowledge of research principles, concepts, practices and methods.
• Proficient in specific lab research techniques.

This appointment is a full time FTE position. For fullest consideration, please apply with an updated CV and cover letter by October 29, 2021 at [https://jobs.uic.edu/job-board/job-details?jobID=153307](https://jobs.uic.edu/job-board/job-details?jobID=153307). The University of Illinois is an Affirmative Action/Equal Opportunity Employer offering competitive salary and benefits package.

The University of Illinois at Chicago is an affirmative action, equal opportunity employer that has a strong institutional commitment to the principle of diversity and is particularly interested in receiving applications from a broad spectrum of people. We are committed to equal employment opportunities regardless of sex, gender identity, sexual orientation, race, color, religion, national origin, disability, protected Veteran status, age, or any other characteristic protected by law.

The University of Illinois may conduct background checks on all job candidates upon acceptance of a contingent offer. Background checks will be performed in compliance with the Fair Credit Reporting Act.

The University of Illinois at Chicago (UIC) and the State of Illinois offer competitive wages, benefit programs and resources for employees. UIC is strongly committed to providing equitable benefit options throughout each stage of employment. Many benefits become effective on the first day of employment. Benefits offered by UIC include health care options, wellness programs, educational opportunities, tuition assistance, vacations, holidays and other leave benefits, and University retirement plans. Detailed information on specific employee benefits may be found online at: [https://www.hr.uillinois.edu/benefits](https://www.hr.uillinois.edu/benefits).

The University of Illinois System requires candidates selected for hire to disclose any documented finding of sexual misconduct or sexual harassment and to authorize inquiries to current and former employers regarding findings of sexual misconduct or sexual harassment. For more information, visit [https://www.hr.uillinois.edu/cms/One.aspx?portalId=4292&pageId=1411899](https://www.hr.uillinois.edu/cms/One.aspx?portalId=4292&pageId=1411899).