

## Job Description: Research Lead

### SUMMARY OF MAJOR FUNCTIONS:

The Research Lead at Andrews Research and Education Foundation is responsible for the scientific guidance to generate and sustain research activities. Research activities include development of research ideas and protocols for corporate and physician partners implementation, evaluation, and publishing. The Research Lead will also provide technical skills training and scientific guidance to investigators and assist with problem solving; identify areas of technical difficulty and provide solutions and assess validity of research data. The Research Lead will be a significant support position to the Manager, Research and Development. They will participate in grant proposal planning and writing, oversee day to day laboratory activities and ensure that all laboratory procedures are performed properly and in adherence to regulation. At times, the Research Lead will facilitate procedures in the Surgical Skills Laboratory.

### MAJOR DUTIES AND RESPONSIBILITIES:

1. Responsible for physician and team member education as it relates to facilitating GCP training for clinical professionals interested in conducting basic science research or research conducted to facilitate clinical improvements, capture outcomes, or for professional journal publications.
2. Provides scientific/technical expertise, training, and mentoring to team.
3. Serves as a technical expert for the campus and conducts study development, implementation, and analyses independently.
4. Provides scientific guidance on the work scope and timeline for all proposed research projects and feasibility requests
5. Performs SAS/SPSS programming and analysis as needed for research studies.
6. Serves as a technical resource in SAS/SPSS base and statistical programming, as well as in general epidemiologic concepts
7. Collaborates with Practitioners, Fellows, and Clinical Research staff on the research projects, tasks, and protocol development
8. Functions as the lead analyst on active studies to include cell culturing, cell differentiation, flow cytometry, and ELISA.
9. Trains the research team on new programming and research techniques
10. Contributes to the development of analytic standard operating procedures (SOPs), guidelines, and reference materials.
11. Maintain laboratory inventory to facilitate research project completion and fiscal responsibility.
12. Support the Lab Equipment Maintenance in the Regenerative Medicine Center
13. Supports the Manager, Research and Development and all Clinical Research Coordinators and Assistants on active research studies as needed
14. Performs other duties as assigned to support the essential functions of the job and operational needs of the department
15. Works under general supervision, is responsible for various shifts on a salary exempt status, may be subject to over 40 hours per week and/or callback as required, and may also be required to remain on campus immediately before, during, and after severe weather and/or disasters.

**QUALIFICATIONS FOR JOB: Summary of required and preferred: Registrations, certifications, licensures, education, experience, knowledge skills and abilities.**

**Required:**

- Bachelor's in Medical Research Field with emphasis on Epidemiology, Biostatistics, Statistics (or equivalent)
- Work experience in medical research and/or sports medicine setting
- Programming experience with SAS and/or SPSS
- Proficiency with Excel
- Knowledge of writing and submitting applications for Institutional Review Board Approval and Grant procurement of Research Projects.
- Experience in authoring scientific papers and other technical writing; including submitting papers to scientific journals for publishing.
- Strong background in research procedures including data collection management, sports medicine and/or biomechanical research.
- Experience with multiple software applications in research data collection for medical outcomes, sports medicine and/or biomechanics research.

**Preferred:**

- Strong background in statistical analysis of medical outcomes, sports medicine and/or biomechanical research.
- Master's in Medical Research Field with emphasis on Epidemiology, Biostatistics, Statistics (or equivalent)