Research Professional Associate

**Research Professional Associate:** Facilitate and promote ongoing and new research projects through scientific and intellectual contributions in the Center for Systems Biology of Oxygen Sensing.

The Research Professional Associate will assist in research project that focuses on cellular molecular mechanisms underlying hypoxia-evoked systemic responses.

Qualified candidates are expected to have prior experience in the following:
1) Western blot assays;
2) mRNA analysis;
3) Molecular biological techniques including cloning, and designing of primers;
4) Mutation analysis;
5) Strong oral and written communication skills;
6) Ability to work independently and in a collaborative environment and
7) Ability to perform mouse surgeries and techniques.

Candidates are expected to coordinate work with other scientists in the laboratory and collaborate effectively on joint research projects. Recognize abnormal results and troubleshoot conditions or procedures to correct problems. Adapt existing procedures to current work and make significant contributions to methodology. Summarize and present results, prepare scientific manuscripts and attend seminars/meetings related to work.

Applicants are required to have a M.D or Ph.D degree in biological/physiological sciences or relevant field. Computer knowledge with excel and statistics and strong commitment to both self-directed and guided research.

**Responsibilities include work in the following areas:**

60% - Direct research project that focuses on cellular and molecular mechanisms underlying hypoxia-evoked systemic responses.

20% - Coordinate work with other projects in the laboratory studying hypoxia evoked cardio-respiratory changes.

10% - Identify and trouble shoot conditions or procedures to correct problems and make significant contributions to methodology. Analyze and summarize results and interpret experimental findings.

10% - Lead and direct research assistants and/or students in procedures and techniques

**Required:**

Knowledge in relevant scientific field.
Knowledge of research techniques or methods.
Problem-solving skills.
Attention to detail.
Organizational skills.
Verbal and written communication skills.
Ability to work independently and as part of a team.
Knowledge of Microsoft Office.