Climatic Health under the Rapidly Changing Environment

Project Description: This is an interdisciplinary research effort that uses Big Data approach to investigate the relationship between environmental exposures and health outcomes in the context of climate change. The research project is a multi-year collaboration between Sichuan University Pittsburg Institute and West China Hospital of Sichuan University. Key research questions include how does climate change affect population behaviors, how does environmental exposure influence health outcomes, and how can biomonitoring be applied to field research.

Research themes:
- Climate, environmental, and health
- Environmental monitoring
- Biomonitoring (brain wave, body function etc.)

Job description:
      Ideal candidate for this research fellow position should be highly motivated and active research fellow specializing in any field of Engineering or Science, or related field with a focus on medicine. Work scope for the individual will include (but not limited to): data procurement, laboratory work, data management and analysis, and research publication. It is imperative that the individual manages and conducts his/her own work. This project is a close collaboration between different teams, thus requires teamwork and active engagement with different team members. It is the goal for the research fellow to advance research skills through this project and delivers publishable results.
      This position commences in 2025, with individuals anticipated to initiate their responsibilities no later than fall of 2025. The term of employment spans two years, and the contract is structured for annual review and renewal.

Qualifications:
- Master's or bachelor's degree in any field of engineering, science or medicine.
- Basic knowledge and experience with at least one programming language, such as R, Python or C++.
- Advanced skills in Microsoft Office.
- Working knowledge of professional English (can read English research articles).
- MUST be flexible with working location as the project will require the individual to split time between collaborating teams.