

WASHINGTON UNIVERSITY SCHOOL OF MEDICINE

JOB DESCRIPTION

DATE: November 2023

JOB TITLE: Postdoctoral Research Associate

JOB CODE: ZR052

GRADE:

FLSA: Exempt

POSITION REPORTS TO: Catherine Lang, PT, PhD

DEPARTMENT: Program in Physical Therapy

JOB PROFILE SUMMARY: The Program in Physical Therapy at Washington University School of Medicine in St. Louis has an opening for a postdoctoral research associate to join the Stroke Recovery, Rehabilitation, and Accelerometry research group led by Catherine Lang, PT, PhD. Our research is aimed at developing effective and efficient, individualized rehabilitation for people with neurological and neurodevelopmental conditions. A key tool for our lab is the use of wearable sensors (accelerometers) to quantifying human movement in daily life. This quantitative tool offers a convenient, accurate, and scalable way of measuring real-world movement outside the clinic or laboratory. Our interdisciplinary, interactive environment promotes collaborations within and outside the group with scientists and clinicians, resulting in a long-standing, productive research program. The successful applicant shares our passion for rigorous, clinically-relevant research, and will contribute to all aspects of the research process including brainstorming, project planning, subject recruitment, data collection and processing, database management, statistical analysis, and dissemination.

PRIMARY DUTIES AND RESPONSIBILITIES:

- Works collaboratively with the principal investigator and research team towards achieving career goals.
- Works with the principal investigator and research team members to successfully execute the aims of ongoing human research studies.
- Performs complex statistical analysis of data collected and writes interpretative reports. Verifies the correctness of the data submitted and makes recommendations based on these analyses.
- Conducts literature searches and formulates impactful scientific questions related to ongoing research projects.
- Disseminates research findings through presentations, abstracts, and manuscripts both within and outside the University.
- Develops own and assists with ongoing grant submissions and reporting.
- Complies with ethical standards and good laboratory practice including the maintenance of adequate research records.
- Provides guidance and mentorship to more junior lab members.
- Performs other duties as assigned.

REQUIRED QUALIFICATIONS: Applicants must have a PhD in a movement science related field, with a strong background in quantitative analyses and/or motor behavior.

PREFERRED QUALIFICATIONS:

- Experience in multiple aspects of human subjects research.

- Excellent written and oral communication skills.
- Ability to work independently and as part of a team, and be committed to being a lifelong learner.
- Proficiency in programming of at least one language, with R preferred.
- Clinical training (e.g. PT, OT, MD) is highly valued, but not required.
- Most importantly, it is desirable that the candidate is a good teammate and exhibits kindness, curiosity, creativity, and determination. We are looking for someone who can be our colleague, benefit from our mentorship, and continue to work with us as their career matures.

SALARY AND BENEFITS: Base pay commensurate with experience based on the NIH-pay scale for post-docs. This position is eligible for full-time benefits.

APPLICANT SPECIAL INSTRUCTIONS: Qualified candidates are encouraged to email a cover letter, curriculum vitae, a 2-3 page personal statement of research experience and interests, and three letters of reference to Catherine Lang, PT, PhD (langc@wustl.edu). Applications will be reviewed on a rolling basis until the position is filled.

ADDITIONAL INFORMATION:

- Catherine Lang, PT, PhD: <https://pt.wustl.edu/people/catherine-lang-pt-phd-fapta/> and <https://profiles.wustl.edu/en/persons/catherine-lang>
- Stroke Recovery, Rehabilitation, and Accelerometry group: <https://pt.wustl.edu/research/our-research-areas/stroke-recovery-rehabilitation/>
- Keith Lohse PhD, PStat: <https://pt.wustl.edu/people/keith-lohse-phd-pstat/>
- Washington University Program in Physical Therapy (WUPT): <https://pt.wustl.edu>
- WUPT Research Division: <https://pt.wustl.edu/research>
- Being a postdoc at Washington University in St. Louis: <https://postdoc.wustl.edu/prospective-postdocs>

EOE STATEMENT: Washington University is an Equal Opportunity Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, age, sex, sexual orientation, gender identity or expression, national origin, genetic information, disability, or protected veteran status.

The above statements are intended to describe the general nature and level of work performed by people assigned to this classification. They are not intended to be construed as an exhaustive list of all job duties performed by the personnel so classified. Management reserves the right to revise or amend duties at any time.