



## Postdoctoral Research Fellowship - Wearables For Kids Grant

The Arnold Childhood Obesity Initiative in the Arnold School of Public Health at the University of South Carolina is currently seeking applications for a postdoctoral fellow to work on an NIH-funded study that aims to validate wearable devices for predicting sleep and physical activity in children.

The fellowship will provide training in behavioral measurement research, calibration and validation studies, advanced statistical modeling techniques (i.e., multi-adaptive regression spline and cross-sectional time series modeling). The fellowship will also allow for the development of writing and analysis skills.

Responsibilities include study and personnel management, execution and management of a large scale validation study; data collection, data analysis, and preparation of data for publication in peer-reviewed journals. Applicants will also be expected to write and submit a post-doctoral fellowship (F32) or career award (K) to the NIH within the first 18 months.

**Qualifications:** Applicants must have a PhD/DrPH/ScD in public health, health psychology, behavioral science, nutrition, physical activity promotion, or a related field or equivalent degrees. An established track record of original, first-author, publications is strongly desired. Candidates should demonstrate established quantitative research skills, experience in analysis of data, excellent written and oral communication skills, and the ability to work independently and with collaborators.

Preference will be given to individuals with the following skills and/or experiences:

- Proficient in basic and complex statistical modeling
- Strong written and verbal communication skills
- Interests in physical activity, and/or sleep
- Interests in calibration and validation studies
- Research with children
- Experience with accelerometry, indirect calorimetry, photoplethysmography
- Creative and self-motivated
- Strong first-author publication record
- Ability to work effectively both independently and with a team

Candidates must have less than two years' experience post-doctorate, a demonstrated record of individual initiative in research, and potential to become an independent academic researcher within two to three years. Preference will be given to applicants whose training, skills, and research interests best align with those of the research team.

Additional emphasis will be placed on leading original analyses and manuscripts, career development, and transition toward independent funding and an independent research career. A competitive salary, benefits, and travel/educational opportunities in the rich interdisciplinary environment of the Arnold School of Public Health are offered.

The research program and training will be directed by Dr. R. Glenn Weaver, Associate Professor in the Department of Exercise Science in the Arnold School of Public Health at the University of South Carolina. Additional mentorship will be provided by Dr. Bridget Armstrong ([BA12@mailbox.sc.edu](mailto:BA12@mailbox.sc.edu)), Dr. Michael Beets ([beets@mailbox.sc.edu](mailto:beets@mailbox.sc.edu)), and Dr. Elizabeth Adams ([elizabeth-adams@sc.edu](mailto:elizabeth-adams@sc.edu)).

The fellowship is anticipated to be for a 2-year period at current NIH post-doctoral funding levels. The initial appointment is for 1 year with an option for renewal conditional on performance. The ability to work in the US and to apply for NIH postdoctoral fellowships is required in order to apply for this position.

**To apply, please send a research statement, CV, contact information for three references, and one sample publication by email to Dr. Weaver [weaverrg@email.sc.edu](mailto:weaverrg@email.sc.edu).**

Applications will be considered as they arrive.

