**Postdoctoral Research Fellow Position
in Cognition and Health Analytics**

The Department of Human Development and Family Studies at Colorado State University has an opening for a Postdoctoral Fellow to conduct research using advanced statistical methods for understanding associations between cognitive declines and key health outcomes in older adults (e.g., depression risk, dementia risk, all-risk mortality). The Fellow will work closely with Dr. Stephen Aichele on research topics such as comparative approaches for modeling age- and pathology-related changes in cognitive abilities, cognitive epidemiology, cognition-depression dynamics, and creation of a multi-country survey of cognitive reserve. Development of novel statistical approaches especially suited for research on lifespan cognition is both possible and desired, contingent on the Fellow's quantitative research background. Substantive applications spanning a range of brain and/or biomedical variables may also be possible in collaboration with colleagues at CSU's multi-disciplinary Columbine Health Systems Center for Healthy Aging. The Fellow will conduct literature reviews and statistical analyses of existing large data sets, leading to the production of scientific manuscripts and presentations. Additionally, time will be allocated for the Fellow to assist with efforts to secure extramural funding. In general, the Fellow will be mentored toward an independent research career through the cultivation of advanced analytical skills, manuscript preparation, grant writing experience, and synergistic collaborations.

**Required qualifications:**

- Doctoral degree in a related behavioral science (e.g., Psychology, Human Development, Health and Aging, Gerontology, Social Epidemiology) or applied quantitative discipline (e.g., Psychometrics)
- Evidence of competency in multivariate statistical methods (structural equation and/or multilevel models) as applied to longitudinal data
- Proficiency with at least one statistical computing platform (e.g., R, Python)
- Evidence of research writing competency

**Additional preferred qualifications:**

- Substantive research experience in cognitive aging, Alzheimer's or dementia, lifespan development, cognition-emotion dynamics
- Additional statistical experience with one or more of the following: factor analysis with multiple groups, survival analysis, data mining or machine learning approaches, Bayesian estimation, dynamic (cross-lag) time series models, simulation studies
- Grant and/or fellowship writing experience
- A two-year commitment, with a possibility for extension contingent on additional funding

**To apply:**

Submit a CV, cover letter, 1–3 reprints/pre-prints of representative publications, and contact information for 3 references via the CSU jobs portal: https://jobs.colostate.edu/postings/80672

Applicants are strongly encouraged to submit their materials by **November 2, 2020.**