



Jessica Kay Flake and Carl F. Falk, faculty in Quantitative Psychology and Modelling at McGill University, are seeking applications for a Post-Doctoral Researcher, beginning late summer or fall 2019. The contract is for one year, but planned for renewal pending excellent performance.

**About McGill:** McGill University is an international and research intensive University in Canada, with an exceptionally able undergraduate and graduate student body, which enjoys collegial governance, extensive employee benefits, and co-operative research and teaching ties with other Montreal universities. McGill is centrally located between Mount Royal Park and downtown Montreal, which is a safe, culturally diverse, cosmopolitan and bilingual (French/English) city, with a high quality cultural life and publically funded health care. Moreover, the psychology department has recently moved into a brand-new state-of-the-art research facility. Importantly, McGill is an English language institution; knowledge of French is not required.

**Position Description:** The ideal candidate will be interested in contributing to ongoing research trajectories of Drs. Falk and Flake. Broadly, their research focuses on latent variable methodologies for scale development and use in the social sciences, as well as improving research practices. For recent work by both faculty see their [Google Scholar pages \(CF Falk and JK Flake\)](#).

The postdoctoral researcher will contribute to and lead multiple projects working with both supervisors. Specific research projects depend on shared interests and expertise but some examples include: (1) developing and evaluating methodologies for psychometric models for multiple groups and/or clustered data structures; (2) establishment of (partial) measurement invariance or detection of differential item functioning; (3) optimal design of studies that include psychometric models; (4) developing and evaluating methodologies to address aberrant responding and/or response styles (e.g., careless responding, random responding, extreme responding, acquiescence); (5) developing methodologies and practices for measurement in replication studies.

**Qualifications:** Competitive candidates will have (1) a PhD in quantitative psychology, psychometrics, or research methodology (or a related area) by the time of appointment; (2) a strong scholarly track record of research and interest in topics such as research on quantitative methodology, psychometrics, and measurement theory; and (3) experience and expertise with statistical programming, conducting simulation studies, and latent variable models (e.g., MLM, SEM, IRT).

**Compensation:** Salary will be \$42K per annum plus benefits, consistent with a Social Sciences and Humanities Research Council of Canada fellowship. Drs. Falk and Flake will additionally provide support to attend professional conferences. Postdoctoral candidates who have their own funding may also apply.



**How to Apply:** Please submit the following materials to directly to Jessica Flake **and** Carl Falk at [Jessica.flake@mcgill.ca **and** carl.falk@mcgill.ca]: (1) CV, (2) 2-3 page statement speaking to your interests, how they connect to the research of Drs. Falk and Flake including what specific research you would hope to pursue, (3) pre-or post-prints of no more than two representative manuscripts/publications, (4) and the contact details of three referees.

**Review of applications will begin on May 1<sup>st</sup> and continue until the position is filled.**

If you have questions, please contact CF Falk and JK Flake directly.