

## **SEEKING: Postdoctoral Researcher in Chemistry Education Research**

Job Posting

Postdoctoral Research Associate  
Chemistry Education Research  
University of Ottawa

The Chemistry Education Research group at the University of Ottawa seeks a candidate to fill a one-year post-doctoral researcher position for a project in chemistry education research. This project is funded by the Social Sciences and Humanities Research Council of Canada (Insight Grant) and is a collaboration with Dr. Peter Mahaffy at the King's University. We are investigating "Visualizing and learning in STEM: How might we equitably and inclusively equip learners with Systems Thinking, mental models, and mechanistic reasoning skills?".

### **Start date**

September 2021 (flexible)

### **Educational requirement (required by start date)**

Doctoral degree in chemistry, chemistry education research, higher education research, educational psychology, science education, or a related field.

### **Qualifications**

The successful candidate will have some mix of expertise in the following areas:

- Postsecondary assessment, evaluation, and/or educational research
- Evidence-based teaching, learning, and assessment in chemistry education
- Contributing to collaborative research projects
- Designing and conducting qualitative research studies, including data collection, analysis, and management
- Designing and conducting quantitative research studies, including statistical analysis and programming (*e.g.*, SPSS, R)
- Strong organizational skills and ability to complete complex projects according to deadlines
- Excellent analytical and communication skills
- Organic chemistry
- Biochemistry
- Demonstrated leadership and mentorship abilities

The postdoctoral associate will be expected to participate in the mentoring of graduate and undergraduate research assistants. The Flynn Research Group is committed to ensuring equity, diversity and inclusion in our work. Accordingly, we welcome applications from all qualified candidates and we particularly encourage members of the following designated groups to apply: women, Indigenous people, members of visible minorities and persons with disabilities. The salary is commensurate with education and experience.

### **To apply**

Please send the following documents to Professor Alison Flynn, [alison.flynn@uOttawa.ca](mailto:alison.flynn@uOttawa.ca):

- Cover letter describing your research interests, strengths, and how your skill set matches that of the requirements (max 3 pages)
- Curriculum Vitae
- Name and contact information (email, preferably) of 3 references

The successful candidate will have the opportunity to contribute their expertise to the group and learn from a wide variety of professional opportunities through the group, uOttawa, and beyond.

You can learn more about the group at [FlynnResearchGroup.com](http://FlynnResearchGroup.com); feel free to contact Dr. Flynn with any questions. The position will remain open until filled.

### **Alison Flynn, Ph.D.**

3M National Teaching Fellow

Directrice Associée - Académique | Associate Chair – Academic

Professeure agrégée | Associate professor

Member of the Global Young Academy

Directrice de l'accréditation, Société canadienne de chimie | Director of Accreditation, Canadian Society for Chemistry

Elle | She

Département de chimie et sciences biomoléculaires | Department of Chemistry and Biomolecular Sciences

Université d'Ottawa | University of Ottawa

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