



UNIVERSITÄT GRAZ  
UNIVERSITY OF GRAZ



**Cognitive Science Section – Institute of Psychology – University of Graz**

## **Job Offer: PreDoc Openings in Mathematical and Computational Cognitive Psychology – University of Graz (Austria)**

The Cognitive Science Section (head: Dietrich Albert) invites applications for two Doctoral Student positions at the Institute of Psychology, University of Graz, Austria.

### **Reasons to study and work at the University of Graz and to live in Graz <sup>1</sup>**

Research campus; shaping the future; asking questions; a great little city; rich in arts and culture; superb location.

At the University of Graz (Austria), researchers and students work across a broad disciplinary spectrum to enlarge our knowledge, and find strategies to deal with challenges our society is confronted with and to shape tomorrow's world. The University of Graz is a place which combines high quality academic research and teaching, where achievement is rewarded, careers are promoted, and social diversity is encouraged – all within a modern, award-winning working environment. Our motto: We work for tomorrow.

**Join us!**

### **Your responsibilities**

Research questions and methods will be chosen from topics in mathematical and computational cognitive psychology from the A<sup>+</sup>CHIS and the ITHACA project proposals respectively - involving as well as data analysis and theory, which are drawing on recent cognitive approaches.

- (a) **A<sup>+</sup>CHIS - Human-Centered Interactive Adaptive Visual Approaches in High-Quality Health Information <sup>2</sup>** – A<sup>+</sup>CHIS is a R&I-Project of the Austrian FWF (Der Wissenschaftsfonds), financially supported also by the University of Graz.
- (b) **ITHACA - artificial Intelligence To enHANCE Civic pArticipation <sup>3</sup>** – ITHACA is an RIA-Project of the European Commission regarding TOPIC ID HORIZON-CL2-2022-DEMOCRACY-01-01.

<sup>1</sup><https://www.uni-graz.at/en/studies/>

<sup>2</sup><https://cognitive-science.at/projects/apchis/>

<sup>3</sup><https://cognitive-science.at/projects/ithaca/>

## Requirements

Candidates with backgrounds in mathematical and computational psychology are very welcome. Also, knowledge in experimental methods, statistics, artificial intelligence, semantic technology, and/or computer science is favorable. Experience with data analysis and proficiency with (non)numerical models and methods, in addition to familiarity with cognitive psychology topics and mathematical, statistical and evaluation methods, are desirable.

Knowledge of English to Level C1 is requested, knowledge of German is recommended. Software skills in the field of programming (e.g., Python, R) are desirable. A higher academic degree in Psychology like Master (Univ.) or Diplom (Univ.) from an internationally accredited university is a prerequisite.

Equally desirable are a spirit of intellectual adventure, eagerness, and drive!

## We offer

The positions will come with excellent cooperation in innovative research teams. Active participation within the interdisciplinary profile area “Complexity of Life in Basic Research and Innovation” (COLIBRI)<sup>4</sup> is possible.

Becoming a member of University of Graz <sup>5</sup>, Institute of Psychology <sup>6</sup>, Cognitive Science Section <sup>7</sup>.

The realistic chance to obtain the Dr.rer.nat. (DSc.) from Faculty of Natural Sciences at the University of Graz <sup>8</sup> in the Doctoral School Psychology <sup>9</sup>.

Classification according the applicable standard salary schedule of (a) the FWF for Doctoral Candidates (30 hours per week) - <https://www.fwf.ac.at/en/research-funding/personnel-costs> - and (b) in accordance with the valid Universitäten-Kollektiv-Vertrag (University Collective Agreement) then in force: FWF € 2.300,30 (30h per week)/ KV(B1) € 2.293,95 (30h per week).

Both positions may be filled for a period of ca. two and a half years beginning with January 1, 2023 - finally depending on inflation rate. An extension is being considered.

## Application / Contact

Application deadline: for full consideration, please **apply by December 9<sup>th</sup>, 2022**.

Please send the following information in one single PDF to [dietrich.albert@uni-graz.at](mailto:dietrich.albert@uni-graz.at):

- 1. letter of motivation;**
- 2. statement of research interests, limited to two pages;**
- 3. curriculum vitae;**
- 4. relevant track records.**

<sup>4</sup><https://colibri.uni-graz.at/en/profile/>

<sup>5</sup><https://www.uni-graz.at/en/>

<sup>6</sup><https://psychologie.uni-graz.at/en/>

<sup>7</sup><https://cognitive-science.at/>

<sup>8</sup><https://www.uni-graz.at/en/studies/doctoral-programmes/doctoral-programme-of-natural-sciences/>

<sup>9</sup>[https://doktoratsschule-psychologie.uni-graz.at/en/?callback=jsonCallback&\\_id=1668711491047&cHash=f71d2d0927ce581e4c5782ec55ceee44](https://doktoratsschule-psychologie.uni-graz.at/en/?callback=jsonCallback&_id=1668711491047&cHash=f71d2d0927ce581e4c5782ec55ceee44)

In all email correspondence, please include the mention “APPLICATION – PreDoc - ApCHIS” or “APPLICATION – PreDoc – ITHACA” in the subject header, otherwise the application will not be considered.

The University of Graz strives to increase the proportion of women in particular in management and faculty positions and therefore encourages qualified women to apply.

Especially, with regard to academic staff, we welcome applications from persons with disabilities who meet the requirements of the advertised position.

Applicants with proof of COVID-19 vaccination will be given preference if equally qualified.

For further information or questions, please contact:

Univ.-Prof. Dr.rer.nat. Dietrich Albert, Dipl.-Psych.

Email: [dietrich.albert@uni-graz.at](mailto:dietrich.albert@uni-graz.at) - Phone: +43 664 73663043 - Skype: dietrich\_albert

**Please: Apply now!**

Dr. Dietrich Albert, Prof.: Cognitive Science Section, Institute of Psychology, University of Graz, Austria - [dietrich.albert@uni-graz.at](mailto:dietrich.albert@uni-graz.at) - <http://cognitive-science.at/team/dietrich-albert/> - - Alumnus of Graz University of Technology, Austria - [dietrich.albert@alumni.tugraz.at](mailto:dietrich.albert@alumni.tugraz.at) - - Chair: European Japan Experts Association - [albert@ejea.eu](mailto:albert@ejea.eu) - <https://ejea.eu> - - Email: [dietrich.albert@uni-graz.at](mailto:dietrich.albert@uni-graz.at) - Mobile: +43 664 73663043 – Skype: dietrich\_albert