

Application for a PhD position in the Cognitive Neuroscience Lab at the German Primate Center

Instructions

Please download this PDF file to enter all relevant information. You may save the form to continue working on it at a later point in time.

After completing the form, please upload it via our application homepage (from where you downloaded it) together with relevant other documents (CV, transcripts, etc.) in PDF format.

The **Cognitive Neuroscience Lab (CNL)**, headed by Prof. Dr. Stefan Treue, is a large and vibrant international lab with doctoral students and postdocs from across the world. Its main focus is on sensory information processing and its modulation by attention in rhesus monkeys and humans.

The CNL contains two research groups:

The **Sensorimotor Group (SMG)**, headed by Prof. Dr. Alexander Gail, is interested in understanding the neural basis of goal-directed sensorimotor behavior, decision making, and motor prosthetics.

The **Spatial Decision and Awareness Group (DAG)**, headed by Dr. Igor Kagan, is interested in the neural basis of cognitive functions such as spatial awareness and decision making.

More information about the CNL, SMG and DAG can be found through our websites (<http://www.dpz.eu/cnl>, <http://www.dpz.eu/smg>, <http://www.dpz.eu/dag>).

Please indicate below, for which research group of the Cognitive Neuroscience Lab you would like to submit this application (multiple entries possible):

Cognitive Neuroscience Lab (Prof. Stefan Treue)

Sensorimotor Group (Prof. Alexander Gail).

Decision and Awareness Group (Dr. Igor Kagan)

Planned start of the doctoral project (mm-yyyy):

1. Personal Information

1.1 Personal data

Last Name	First Name	Middle Name(s)
Date of Birth (dd/mm/yy)		Nationality
male	female	

E-Mail Address (will be used for correspondence throughout the application process):

1.2 Current residence (city, country):

1.3 Current or last institutional affiliation:

2. Motivation for application

Please indicate why you want to join the CNL. It is important that you specify what aspect of our research you are interested in. This should include an indication whether your interest best matches the research agenda of the CNL, the SMG or the DAG.

Please be aware that your motivation for joining our lab (rather than some other scientific lab) is of prime importance for us. Stating general interest in biology, neuroscience, medicine etc. is not specific enough. We will not consider applications that are written without a clear indication of your specific interest in our research. This indication also needs to specify which of our main techniques (see information in side panel) are of special interest to the applicant.

Motivation:

What we offer

Research in the CNL focuses on information processing in the sensory and motor system of primates (monkeys and humans). We employ numerous research methods, but three of them are our main techniques:

- recording the activity of neurons in the cortex of awake rhesus monkeys trained to perform visual and motor tasks and analyzing these data with quantitative methods
- psychophysics of human visual and motor perception and performance.
- functional magnetic resonance imaging (fMRI) in monkeys and and comparative fMRI studies in humans.

Methods of computational neuroscience are integrated into the three approaches taken above. Here we closely interact with our partners in the Bernstein Center for Computational Neuroscience.

There are occasionally projects in the lab involving EEG of human brain activity in collaboration with other labs specializing in those techniques but this technique is usually not the main focus of doctoral thesis projects, unless applicants already have substantial prior experience with EEG.

When evaluating an application it is important for us to know which of these methods you are interested in. As only a small number of labs do electrophysiology in monkeys, prior experience with this technique is not a prerequisite for somebody joining the CNL. We provide the necessary training in the lab.

3. Motivation for application

3.1 Colleges or universities attended / degrees awarded or expected

	College / University attended (Master's or equivalent degree)	College / University attended (Bachelor's or equivalent degree)
Institution		
Name		
City		
Country		
Enrollment		
Subject area of study		
Dates attended	from till	from till
Grade Point Average	achieved max. possible	achieved max. possible
Degree		
Title (e.g. B.Sc., M.Sc.)		
Date of completion		

3.2 Previous research projects

Title of Master's thesis:

Advisor:

Title of Bachelor's thesis:

Advisor:

3.3 Language and subject tests

Have you taken or do you plan to take the

Test	yes/no	Date (mm/yy)	Score		
TOEFL					
IELTS					
GRE General Test			Verbal	quantitative	analytical
GRE Subject Test Fields:					

Language spoken and used for teaching at your educational institution:

3.4 Honors, scholarships, prizes, awards or other evidence of merit

Please provide a short description of the award

3.5 Research and teaching experience (if applicable)

Please provide short description with name of institute/company and advisor; do NOT list bachelor or master thesis here)

3.6 Publications (if applicable)

4. References

Please indicate 2-3 people who are able to comment on your personal and academic background and who agreed to be contacted for letters of recommendation (include name, position, institutional address, phone number, e-mail address)

5. How did you find out about us

Please indicate how you learned about the open position (check all that apply):

- Poster, Flyer, posted at/distributed by (please specify)
- Internet Website (please specify)
- Friends, colleagues, faculty members, other students
- College or University Office
- Conference/Workshop/Science or Education Fair (please specify)
- Other (please specify)

Checklist for a complete application

Required Documents (English or German)

- (1) This application Form
- (2) Curriculum vitae (CV).
- (3) Official Transcript / Record of Studies (all colleges/universities attended).
- (4) Diplomas / relevant certificates (Bachelor's/Master's or equivalent degrees; English or German).

Optional Documents

- (5) Proof of proficiency in English
- (6) GRE Scores: Official score reports of the Graduate Record Examination.
- (7) Photographs

How to proceed from here?

After successful completion of your online registration and processing of your application form, please upload this form at the CNL application website, together with all items indicated as required documents on the checklist above. Notice that your application can only be processed after we have received your complete application form together with all relevant documents. You will be informed about further steps by email.