



**UoD**  
University of Duhok  
International Relations Office (IRO)

*Jan. 21, 2009*

## **6 PhD fellowships at Bernstein Center for Computational Neuroscience, Berlin Germany**

Deadline

**15 March 2010**

The Bernstein Center for Computational Neuroscience (BCCN) Berlin invites applications for fellowships of its new graduate school “Sensory Computations in Neural Systems” (GRK 1589/1).

The scientific program of the research training group “*Sensory Computation in Neural Systems*” is focused on sensory coding and perception.

The research topics will fall into two broad categories, (1) theoretical aspects, with the aim to develop computational methods for the study of sensory computations, with a focus on time and dynamics, and (2) applying this theory to experiments. Every PhD project will be collaborative in nature and is supervised by at least two investigators with complementary expertise. Theory projects usually combine one investigator with a machine learning/engineering background with one investigator with experience in neural or cognitive modeling – in order to assure theoretical expertise and biological relevance. Experiment-theory projects are conducted by at least one investigator with a strong experimental and one investigator with a strong theoretical background.



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## Requirements

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### Application

Candidates admitted to the PhD program are expected to hold a Masters degree (or equivalent) in a relevant subject (e.g., neuroscience, cognitive science, computer science, physics ...) and have the required advanced mathematical background.

#### **Applicants should submit the following documents:**

1. curriculum vitae (including a list of publications, if applicable);
2. letter of motivation;
3. copies of certificates and transcripts of records;
4. proof of proficiency in English;
5. brief description of the completed master or diploma thesis and brief outlook on the future PhD project;
6. two letters of reference;
7. Names of potential supervisors (NB: candidates are strongly encouraged to contact potential supervisors and discuss potential projects with them before the application deadline).

#### **Selection:**

Successful applicants will be invited for a short presentation and an interview, expected to take place in the second half of April 2010. The applicants should prepare a 15 min presentation of their master or diploma thesis including a description of their motivation for the future PhD project.



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## Selection criteria include:

- competence and research experience in CNS/machine learning;
- proficiency in English;
- mathematical background;
- scientific and educational track record;
- Research interests and motivation.

## Contact

For further details, required material, principle investigators and example topics of the graduate school, please refer to;

<http://www.bccn-berlin.de>

or contact Robert Martin

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