



## Job announcement No. 19/2015

The Helmholtz Centre for Infection Research (HZI) and the Braunschweig Integrated Centre of Systems Biology (BRICS) offers a position as

### Postdoctoral scientist and/or Group leader

at the Department of Systems Immunology. Both position are offered in the context of an Human Frontier Science Program (HFSP) research project on multiscale mathematical modelling of the dynamics of antibody optimisation in germinal centres and of the immunological synapse.

You will be embedded in a strong team of modellers headed by Michael Meyer-Hermann with expertise in a wide range of quantitative modelling methods, including spatio-temporal techniques and application to a large range of biological problems ([www.systems-immunology.de](http://www.systems-immunology.de)). You will benefit from an environment with long-standing experience in germinal centre modelling and are supposed to take over a leading role. You are expected to actively shape the research with new ideas and to take over responsibilities. You will be supported by strong team of experimental collaborators including

**Michael Dustin (Oxford UK)**  
**Gabriel Victora (Cambridge MA USA)**  
**Carola Vinuesa (Canberra Australia)**

This team will generate quantitative data on the immunological synapse, cell dynamics in germinal centres and inter-germinal centre information processing.

The successful candidate will be educated in one of the following disciplines **Theoretical Biology, Mathematical Biology, Computational Biology, Physics, Mathematics** or other quantitative sciences, and will have at least basic knowledge in Immunology.

The HZI is a research centre under the roof of the Helmholtz Society, which is a world leading and powerful institution funding basic and applied research in natural sciences. HZI is narrowly connected to the Technical University of Braunschweig and the University of Hannover and is, thus, embedded in a dense environment of fundamental research in Biology and Immunology. The HZI has proven in the past to provide excellent support for the appointed scientists in order to promote their career.

**Starting date:** As soon as possible. The contract will be for three years. After a successful evaluation, the position will be continued as a group leader position.  
**Salary:** TVöD E14  
**Probation period:** 6 months  
**Published on:** 12.05.2015  
**Closing date:** 30.06.2015 (subject to prolongation if no suitable candidate was identified)

For further information please refer to [www.systems-immunology.de](http://www.systems-immunology.de) or contact Prof. Dr. Michael Meyer-Hermann by phone +49(0)531/6181-5400 or by email [Michael.Meyer-Hermann@helmholtz-hzi.de](mailto:Michael.Meyer-Hermann@helmholtz-hzi.de)

Please send your application including c.v., copies of certificates, publication list, acquisition of third party funding, experience in supervision of PhD thesis and statement of research interest by email to [JobsHZI@helmholtz-hzi.de](mailto:JobsHZI@helmholtz-hzi.de) referring to code Nr. **19/2015**.