



The Paul-Ehrlich-Institut (PEI), Federal Institute for Vaccines and Biomedicines, is a world-renowned scientific institute devoted to improving public health by ensuring the safety and efficacy of vaccines and biomedicines both in Germany and throughout the world. The PEI carries out its mission through scientific research and medicinal product regulation. Internationally competitive research is carried out in the fields of virology, microbiology, allergology, immunology, hematology and cell and gene therapy.

The research group "Transposition and Genome Engineering" (<http://goo.gl/cZVbp9>) in the Division of Medical Biotechnology is focusing on the biology, regulation and genetic applications of transposable elements. The research group has one open position for a

## PhD student

**Closing date: 14.02.2016 Salary grade: E 13/2 TVöD Job reference: 1/2016**

### Key responsibilities:

Potential projects include, but are not limited to, the following:

- Functional analysis of domesticated transposases
- Interactions of transposable elements with the host cell genome
- Development of the Sleeping Beauty transposon as a gene delivery tool for human gene therapy
- Genetic screens with transposons
- Engineering of transposon systems with respect to efficiency and target site selection

### Essential criteria for applying:

- Master or diploma degree in life sciences
- Experience in molecular and cellular biology
- Skills in bioinformatics is an advantage
- Excellent communication skills in English
- Enthusiasm for science

For further information please contact Dr. Zoltan Ivics; Phone: +49 6103 77 6000; eMail: [zoltan.ivics@pei.de](mailto:zoltan.ivics@pei.de).

The position is available for a period of 3 years and can be filled immediately.

Relocation expenses and/or a special allowance for living away from your present place of residence will be paid in compliance with the legal regulations. Disabled applicants shall be given preference if their skills and qualifications are equivalent to those of non-disabled candidates.

The Paul-Ehrlich-Institut is an equal opportunities employer and therefore welcomes applications especially from women.

We look forward to receiving your application!  
eMail [bewerbungen@pei.de](mailto:bewerbungen@pei.de)  
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For more information:  
Phone +49 6103 771115  
Please quote job reference 1/2016.  
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