Leibniz Institute on Aging –
Fritz Lipmann Institute

www.leibniz-fli.de

Job Advertisement

Job ID 1725

Application until 31.1.18

The **Leibniz Institute on Aging - Fritz Lipmann Institute e.V. (FLI)** is a research institute situated in Jena, a lively and international University City right in the middle of Thuringia. Our research aims at understanding the molecular mechanisms of aging. Thereby we would like to contribute to healthy aging in humans. Various animal models (e.g. mice and fish) help us to generate relevant knowledge on the causes and the mechanisms of age-associated diseases and to investigate new therapeutic approaches. Scientists from 30 different nations conduct research at FLI.

Our newly established **Computational Biology Research Group** of Steve Hoffmann invites applications for two

Postdoc Positions (Job-ID 1725)

The Computational Biology Group works at the interface of experimental and computational life sciences. It develops computational methods and protocols for the integration and analysis of big biological data sets with a specific focus on epigenomic mechanisms of regulation. This includes, but is not limited to, the identification of functionally relevant differentially methylated regions or the description of the dynamical properties of epigenomic landscapes in various tissues, conditions and species. Such epigenetic changes, for instance, play an important role in the differentiation of stem cells or the development of cancer. To detect such events on a genome-wide scale and for many samples, it is necessary to extend the bioinformatics toolkit with novel algorithms and statistical methods. This includes the successful application of the methods to publically available, as well as new biological data sets. The group also manages its own wet-lab providing a direct interaction between experimentalists and theorists. If you are interested in quantitative science as well as the discovery and description of exciting regulatory mechanisms, we would be very happy to receive your application.

Your profile:

- University Degree (PhD, M.Sc. or equivalent) in (Bio-) Informatics, (Bio-) Statistics, (Bio-) Mathematics, (Bio-) Physics, Biology, Chemistry or a related discipline
- Strong background in molecular biology, commitment and work ethic
- Strong interest in the development and application of methods for big data analysis
- Acquainted with two or more programming languages (e.g. C, C++, Python, Perl, R)
- Very good written and oral English & German skills, high communicative capability

We offer:

- A dynamic and multi-disciplinary Research Group with productive collaborations and many opportunities to further develop professional skills
- Working contract according to the Collective Agreement for Federal States (TV-L), initially limited to 2 years
- Compensation according to pay group E13 depending on qualification and experience; attractive occupational pension
- Flexible working time, a family-friendly working environment and Top-notch facilities and experimental support at FLI

Application: Candidates are encouraged to send their application referring the **Job-ID 1725** latest to **January 31st 2018**

Per Email: jobs@leibniz-fli.de
as single-pdf-document

Per Post: Leibniz-Institut für Alternsforschung—
Fritz-Lipmann-Institut e.V. (FLI)
Personalabteilung
Beutenbergstraße 11 | 07745 Jena

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Leibniz Association