The German Ministry of Science and Technology (BMBF) has recently announced the funding of four national research nodes ('Forschungskerne') for mass spectrometry in systems medicine. These have the goal to transfer methods of mass spectrometry from basic science to medical systems biology, the clinic and diagnostics.

**PhD Student (m/f/d) “Mass Spectrometry-based Systems Medicine” Reference 50088432**

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**Your tasks:**
- Method development for optimized DIA-based clinical proteomics workflows
- Development, optimization and application of computational methods and algorithms for clinical proteomics
- Development and optimization of DDA and DIA-based LC-IMS-MS methods for clinical proteomics
- Implementation of high-throughput IMS-MS methods for protein biomarker discovery

**Your profile:**
- Master in biology, biochemistry, chemistry, computational biology, bioinformatics or equivalent education
- Experience with proteomics, LC-MS, data analysis and bioinformatics is a plus
- Excellent analytical and project management skills
- You are ambitious, self-motivated and have high team work capabilities
- Excellent knowledge of written and spoken English and experience in scientific writing

**We offer:**
- An interdisciplinary team of highly motivated scientists and a friendly work atmosphere
- State-of-the-art high-end instrumentation
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For further information, please contact Prof. Dr. Stefan Tenzer, Tel.: 06131 17-6199.

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