

## ASiia Job Offer

Reference Number	1007
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### Job title and application settings

<b>Job Title</b>	Biotechnology Intern		
<b>Start Date</b>	Annually in January, April, September	<b>End Date</b>	Negotiable
<b>Application Deadline</b>	3 months prior to planned start date	<b>Internship Duration</b>	3 months
<b>Hours Per Week</b>	40	<b>Flexible on Dates?</b>	yes

### Company Information

<b>About the Company</b>	<p>The company is a medium-sized company based in Dresden and active in the areas of statistics and analytical quality assurance. Drawing on state-of-the-art statistical methods, it develops software products and provides services for its international clientele. The trainee will be employed in the marketing department. The company provides its statistical expertise and consulting services to support industry, research and government in quality assurance and process optimization. We specialize in inter-laboratory testing, validation of measurement methods, experimental and sampling design. The company produces original research and collaborates with international institutions to develop and validate methods. Our interdisciplinary team of scientists, mathematicians and statisticians brings together scientific and technical know-how to reach the highest standards in research quality.</p>		
<b>Contact Person</b>	For further information please contact Claudia Schönherr	<b>Email</b>	asiia@leo.tu-dresden.de

### Internship Details

<b>Tasks</b>	<p>The student will support members of the biotechnology department at QuoData in their daily project work. The main focus of the research projects are:</p> <p>(1) development of whole cell biosensors for the effect directed measurement of micro pollutants (hormones and pharmaceuticals) and (2) the development of cell free biosensors for medical diagnostics, the evaluation of active substances or the measurement of hormones.</p> <p>The specific tasks will be tailored to the skills and interests of the student. Due to the large variety of projects, the student will get into direct contact with distinct research areas and bio-analytical methods. The student will get in touch with different bioanalytical methods (yeast-based bioassays, SPR-based bioassays, ELISA) for measuring of micro pollutants and biomarkers.</p> <p>Tasks may include</p> <ul style="list-style-type: none"> <li>• further development and validation of bioassays for new applications, e.g. sample pre-treatment procedures for complex water samples</li> </ul>
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	<ul style="list-style-type: none"> <li>• cultivation of microorganisms (bioreactor) and optimization of process parameters,</li> <li>• development and validation of SRP assays</li> <li>• preparation of presentations or summary reports, literature research, preparation of marketing material</li> </ul>																
Supervision/ Monitoring	<p>The student will work directly with colleagues within the biotechnology department of QuoData who will provide supervision on a daily basis. In addition, a tutor will be assigned to guide and mentor the student and to provide more detailed feedback.</p> <p>All employees of this company speak fluent English.</p> <p>The trainee will receive a letter of reference.</p>																
Required Skills to Fulfil Tasks	<p>Team work as well as working independently</p> <p>Communicativeness</p> <p>Interest in daily lab work, data analysis, quality assurance, scientific research</p>																
Required Computer Skills	<p>Working knowledge in MS Office (Word, Excel)</p> <p>In general: interest in natural sciences and data analysis</p>																
Field of Study Required	<p>The trainee is required to have a solid quantitative training, as typically provided by studying <b>biotechnology, biology, chemistry, biochemistry, life sciences or physics</b>.</p> <p>A strong background in data analysis will be advantageous.</p>																
Level of Studies Accepted	<table border="1"> <thead> <tr> <th colspan="2">Currently In</th> <th colspan="2">Already Completed</th> </tr> </thead> <tbody> <tr> <td>Bachelor's</td> <td><input checked="" type="checkbox"/></td> <td>Bachelor's</td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Master's</td> <td><input checked="" type="checkbox"/></td> <td>Master's</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Ph.D.</td> <td><input type="checkbox"/></td> <td>Ph.D.</td> <td><input type="checkbox"/></td> </tr> </tbody> </table>	Currently In		Already Completed		Bachelor's	<input checked="" type="checkbox"/>	Bachelor's	<input checked="" type="checkbox"/>	Master's	<input checked="" type="checkbox"/>	Master's	<input type="checkbox"/>	Ph.D.	<input type="checkbox"/>	Ph.D.	<input type="checkbox"/>
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Language Level Required	<p>English, no German required</p>																
Other Skills or Qualifications	---																

Remuneration	
Payment	To be determined upon review of the application documents
Non-monetary Benefits	---