



### POSITION DESCRIPTION

<b>Title:</b>	Associate Scientist, Chemistry
<b>Name:</b>	TBD
<b>FLSA Status:</b>	Part-time, Exempt (up to 16 hrs./week)
<b>Reports to:</b>	Scientist, Chemistry
<b>Location:</b>	Marshall, MN
<b>Avg # travel days per month</b>	1
<b>Purpose:</b>	Provide scientific/ technical support in chemical technologies and processing of value-added agricultural products.

*The following are examples only and are not intended to be “all inclusive” or restrictive. Other duties may be assigned as necessary.*

<b>Responsibility</b>	<b>Job Task</b>	<b>Percent of Time</b>
Provide analytical chemistry services to multiple project teams	<p>Provide oversight and perform a limited level of laboratory analysis on samples in support of AURI programs.</p> <ol style="list-style-type: none"><li>1. Calculate, interpret, document and communicate data in a timely manner.</li><li>2. Write technical reports to document analytical methods and results.</li><li>3. Maintain laboratory notebooks documenting work.</li><li>4. Collaborate on research activities with scientists or technical specialists.</li><li>5. Coordinate off-site testing as necessary.</li><li>6. Maintain analytical lab equipment in good repair and arrange maintenance contracts for analytical lab equipment where appropriate.</li><li>7. Develop new or modify existing analytical methodologies for products related to coproducts, biobased, renewable energy, and food.</li><li>8. Review projects consistent with applied research and development techniques and provide analytical and other technical information to AURI staff and clients.</li></ol>	<b>85%</b>

9. Develop and maintain a strong working relationship with AURI's project team to facilitate the successful execution and development of new projects and initiatives.

Develop new ideas.	Devote lab and technical time to explore and experiment to bring fresh ideas to AURI. 10. Develop new ideas based on professional interest. 11. Explore patentable products and processes.	<b>10%</b>
Other responsibilities.	Contribute to systematic organizational operations. 12. Develop and maintain systems and procedures to ensure the timely delivery of chemical and analytical services to clients and staff. 13. Perform other duties as assigned.	<b>5%</b>

### **Experience, Education and Training**

1. A bachelor's degree in chemistry or related field (medical lab technician, biology, agriculture) and three years of related experience is required.  
A master's degree in the same areas and five years of related experience is preferred.
2. Proficiency of analytical chemistry concepts and processes in the field of analytical chemistry.
3. Operational knowledge and proficiency of technical skills and procedures including hazardous waste disposal and laboratory safety and analytical instrumentation.
4. The ability to solve complex problems where analysis of situations or data requires an evaluation of intangible variables.
5. Strong oral and written communication skills and excellent interpersonal skills.
6. Detail oriented, familiar with various computer systems and proficient in MS Office. Experience with ChemStation, Galaxy, and WinLab software and databases is desired.

### **Job Demands**

7. Requires standing, some sitting, walking and occasionally lifting approximately 40 pounds.
8. Estimated travel of one day per month.