

**Company:** Ingredion -- Summer Internship Opportunity  
**Title:** Research and Development Intern (Biotransformation) - Summer 2017  
**Position Location:** Bridgewater, NJ  
**Business Unit:** Global Innovation Group/Global Research & Technology

**Primary Function:** The R&D Intern will be responsible for conducting enzyme reaction to modify carbohydrates to improve gelation functionality.

#### **Key Deliverables**

- Perform routine enzyme reactions to induce physicochemical modification for production of novel compounds.
- Measure gelling characteristics of the enzymatically-derived novel compounds.
- Ensuring excellent record maintenance of research activities, both electronically and on paper lab notebooks.
- Analyze all results, interpret and provide recommendations to project team and key business stakeholder.
- Conduct searches on prior art (patents, literature and proceedings), and analyze technologies competitive directly and indirectly to related projects.
- Maintain a clean and safe work environment, and follow guidelines of good house-keeping and GMP.
- Operate according to standard safety procedures/policies.
- Work well and communicate effectively with other employees in laboratory and other facilities.
- Effectively interact with cross-functional project teams through written and oral communications and maintain current understanding of overall status for all relevant projects.
- At completion of internship period, present research findings to management with recommendations for future New Product Development or Applied Research projects.

#### **Knowledge, Skills, and Requirements:**

- Progress towards a Bachelor's degree or Master's degree in Food Science or related field with Carbohydrate Chemistry, Enzymology/Biochemistry knowledge and lab and/or pilot plant skills.
- Minimum 3.0/4.0 GPA required.
- Availability to work full time (40 hours/week) between early June and mid August 2017.
- Excellent interpersonal, verbal and written technical communication skills, e.g. making presentations and writing technical reports.
- Ability to work safely in a laboratory and pilot plant environment.
- Requires the ability to think and work independently while collaborating with others in a team-based environment.
- Demonstrated ability to deliver against agreed deadlines.
- Proficiency in Microsoft Office (Word, Excel, PowerPoint).

#### **To be eligible for consideration, candidates must:**

Be a currently enrolled student in a Bachelor's degree program. If currently enrolled in an undergrad status, must have completed at least two years of coursework with status as a sophomore, junior or non-graduating senior.

**Relocation Available:** None available. Housing/housing allowance is not provided.

**How to Apply:** Please visit Ingredion's Intern Career Page at <http://ingredionusa.jobs/internship/new-jobs/>