Jobs Roll Up for October 31st

NOTE—these are positions either shared with me through my networks or as seen on LinkedIn. If you have a position you think your fellow postdocs would like to see, please use our social media outlets and send it to me at [khenne@anl.gov](mailto:khenne@anl.gov).

NOTE—for posted staff positions at Argonne, visit [www.anl.gov/careers](http://www.anl.gov/careers) and be sure to look at positions in other divisions that may fit your skill set. Reach out to your mentors and the HR Talent Acquisition to see where your next career step at Argonne might be.

**From Merck:**

Additional internal contact:

Charanjeet (CJ) S. Guron, Ph.D., CLP

Business Development Executive

Technology Development and Commercialization

[cguron@anl.gov](mailto:cguron@anl.gov)

630-252-7622 Office

<https://merck.taleo.net/careersection/merck_external_career_section/jobdetail.ftl?job=POS000162&lang=en>

**Job Description**

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| **Postdoctoral Research Fellow - High Throughput Analysis-POS000162**    **Description**   Merck is a global health care leader with a diversified portfolio of prescription medicines, vaccines and consumer health products, as well as animal health products.   Today, we are building a new kind of healthcare company – one that is ready to help create a healthier future for all of us.    Our ability to excel depends on the integrity, knowledge, imagination, skill, diversity and teamwork of people like you.  To this end, we strive to create an environment of mutual respect, encouragement and teamwork.  As part of our global team, you’ll have the opportunity to collaborate with talented and dedicated colleagues while developing and expanding your career.    Be a part of the legacy: MRL Postdoctoral Research Fellow Program.   The Merck Research Laboratories (MRL) Postdoctoral Research Fellow Program aims to be a best-in-industry program for industrial postdoctoral researchers, designed to provide you with an academic focus in a commercial environment. With the resources, reach, and expertise of a large pharmaceutical company, postdoctoral researchers will be positioned to excel in an institution committed to breakthrough innovation in research and discovery.   Position Overview:   As a postdoctoral fellow in the MRL Process & Analytical Chemistry you will work with an industry leading collaborative team of scientists with state of the art equipment and instrumentation to develop the “next generation” of high throughput analysis (HTA) capabilities for use in high throughput process chemistry investigations.   Responsibilities include but are not limited to:   * Design and carry out high throughput analysis investigations using LC-MS and other techniques * Modification and design of laboratory equipment, use of automation and robotics * Data interpretation, manuscript preparation, publication and presentation of results     **Qualifications**    Education Minimum Requirement:   * PhD in Chemistry, Engineering, Biology or related field   Required Experience:   * PhD, or met all the requirements for a PhD by June 2015, with 3 years or less postdoctoral experience. * Strong background with LC-MS * Experience in HPLC and related technology * Working knowledge of laboratory automation   Preferred Experience and Skills:   * Ability to design experiments, interpret and track results, and utilize this information to enable assay development * Thorough understanding of chromatographic and mass spectrometry theory * Deep appreciation of interplay between chemical structure and physical properties * Excellent mechanical skills in the laboratory * Innovative, creative, industrious and highly motivated   Our employees are the key to our company’s success.  We demonstrate our commitment to our employees by offering a competitive and valuable rewards program.  Merck’s benefits are designed to support the wide range of goals, needs and lifestyles of our employees, and many of the people that matter the most in their lives. If you need an accommodation for the application process please email us at [staffingaadar@merck.com](mailto:staffingaadar@merck.com). |

**Monsanto:**

[**http://chemistryjobs.acs.org/jobs/6581230/microbial-formulations-chemist**](http://chemistryjobs.acs.org/jobs/6581230/microbial-formulations-chemist)

Microbial Formulations Chemist

Monsanto

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| Collaborating. Inspiring. Leading.  Monsanto has always embraced innovation and always focused on making a better world. You can see it in our groundbreaking technology and in our dynamic environment where your skills and your career can grow and develop. We know that every day, new ideas can come from anyone, anywhere. You’ll be respected, you’ll contribute to the bottom line and you’ll help farmers feed the world.  Microbial Formulations Chemist – Req #: 00XFR St. Louis, MO  Monsanto is seeking an exceptionally talented scientist to become an integral member of our multidisciplinary Chemistry Organization as a Microbial Formulations Chemist. This role will have responsibility for the development of microbial formulations designed for use in crop protection. The primary focus will be on conducting experimental work driving product development of stable, compatible microbial formulations used in combination with other chemical or biological pesticides.  Key Business Accountabilities:  • Design, prepare, and develop stable and compatible microbial product formulations for use in crop protection  • Coordinate activities with the Monsanto R & D team (analytical chemists, biologists, agronomists, statisticians)  • Interface with Research as well as Business, Manufacturing, Marketing, Regulatory and Quality functions regarding project updates and product advancement  • Act as a liaison with internal and external customers and provide technical reports and presentations to diverse audiences Limited travel to Monsanto field testing and manufacturing sites to support testing and commercialization of products and formulations may be required |

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| Required Education/Skills:  • BS or MS in Chemistry, Biology, Chemical Engineering, or related field of study with 10+ years or 5+ years of experience respectively, in formulation development  • An understanding of formulation strategies to enhance the stability of microbials (both on the shelf and in combination with other agrochemical formulations)  • Experience with physical properties testing of both concentrated formulations and complex mixtures, including the determination of aging and stability characteristics, particle size, various rheological properties, flow and stability characteristics, etc. • Strong written and verbal communication skills  • Ability to work on cross-functional and international teams and to prioritize and manage the demands from multiple projects  Desired Education/Skills:  • Ph. D. in Chemistry, Colloid Chemistry, Materials Science, Polymer Science, Chemical Engineering or related field of study  • Experience with agricultural or microbial formulations development  • Background in soil chemistry and/or microbiology  • Experience with product formulation, emulsions, coatings, or process development and scale-up  • Knowledge of experimental design and statistical methods  To view the complete job description for this exciting position and/or apply online to this opportunity please visit our website at jobs.monsanto.com/st-louis/research-and-development/jobid6040515-microbial-formulations-chemist-jobs  We offer very competitive salaries and an extensive benefits package.  Monsanto is an equal opportunity employer. We value a diverse combination of ideas, perspectives and cultures. EEO Employer Minorities/Females/Protected Veterans/Disabled |

Internal Number: 00XFR

**BASF**

[**http://jobs.basf.us/mobile/job/Beachwood-Staff-ChemistEngineer-Battery-Materials-Group-Job-OH-44122/225856700/?utm\_campaign=Associate\_Chemist**](http://jobs.basf.us/mobile/job/Beachwood-Staff-ChemistEngineer-Battery-Materials-Group-Job-OH-44122/225856700/?utm_campaign=Associate_Chemist)

**Staff Chemist/Engineer - Battery Materials Group Job**

BASF

**Date:**

**Location:** Beachwood, OH, US

**Description:**

Staff Chemist/Engineer - Battery Materials Group-1403255  
  
We are an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by law.  
  
**Description**  
The Beachwood, OH Battery Materials Group is responsible for the development and scale up of new and existing cathode materials, custom synthesis, and transfer of scale up processing parameters to the Elyria plant and other unit operations.  
  
This is a position for a chemist having experience in a laboratory and pilot plant setting, who has displayed interest and capability in the field. The individual is viewed as a key support professional and has demonstrated good research and analytical techniques.  
  
The individual should have experience in inorganic, analytical or solid state chemistry and demonstrated abilities in setting up equipment, keeping a notebook, interpreting results, sharing of information, creative thinking and detailed observation of experimental effects.  
  
Good verbal, written and electronic communication skills are necessary. Areas of involvement include lab, pilot plant and production facility. The incumbent should possess a desire to manage small projects independently and be able to work as the team leader of a small group. Ability to travel and work on rotating shifts including weekends when required.  
  
Responsibilities include but not limited to:  
- Conducts independent R&D projects - plan, design, monitor, evaluate and communicates results. Expected to make recommendations to management based upon the results achieved.  
- Support qualification work for existing products and new product scale-ups as well as ongoing operations.  
- Assists with Technology Transfer operations and scale-up from pilot plant to plant in Elyria, OH and other site operations.  
- Troubleshooting and solving pilot plant issues as they occur.  
- Provide direction and support to operation Technicians.  
- Supervise preventative maintenance and keep updated inventories of spare parts. Monitor safety in labs and pilot plants. Make sure all standard operating procedures, job safety analysis, Equipment training logs, Control plans etc. are up to date and maintained.  
- Evaluate existing processes for the objective of increasing productivity and reducing cost.  
- Provides technical support to production and/or sales and marketing  
  
**Qualifications - BASF recognizes institutions of Higher Education which are accredited by the Council for Higher Education Accreditation or equivalent**  
- Ph.D. in Chemical Engineering, Chemistry, Material Science, Technical Mineralogy or related degree with 1+ years related experience , OR MS degree in Chemical Engineering, Chemistry, Material Science or related degree with 3+ years related experience or a BS degree in Chemistry with 5+ years’ experience  
- Experience with pilot plant operations and equipment preferred  
- Experience with milling, classification, coatings, calcination, and powder transfer preferred  
- Supervisory experience and strong technical leadership skills are desired  
- Experience with battery materials or inorganic fine powders is a plus  
- Excellent written/oral communication skills with a strong focus on meeting/exceeding goals are required  
- Excellent interpersonal, organizational, and time management skills  
- Expected to travel up to 20% of the time both domestically and internationally  
  
**Primary Location:** United States-Ohio-Beachwood  
**Function:** REDE - Research & Development  
**Job Type:** Standard  
**Shift:** Day Job  
**Organization:** GCC-Catalysis Research

**Physics Faculty Positions:**

[**http://jobs.physicstoday.org/jobs/6570899/two-assistant-professor-positions-in-physics**](http://jobs.physicstoday.org/jobs/6570899/two-assistant-professor-positions-in-physics)

**TWO ASSISTANT PROFESSOR POSITIONS IN PHYSICS**  
**DEPARTMENT OF PHYSICS,**  
**QUEENS COLLEGE OF THE CITY UNIVERSITY OF NEW YORK**

The Department of Physics of Queens College of the City University of New York (CUNY) invites applications for two tenure-track Assistant Professor positions to begin in Fall 2015. One position is in the general area of photonics including photonics materials, the other position is open to all areas of physics research including astrophysics/cosmology. The Queens College Department of Physics is located in one of the flagship research colleges of CUNY and is part of the CUNY Graduate Center Doctoral Program in Physics. Our department also offers a Professional Science Master’s degree in Photonics. The department has traditionally been strong in the areas of condensed matter and photonics. Successful candidates will be able to utilize research facilities at the CUNY Advanced Science Research Center. Details about the department and its current research programs are available at www.physics.qc.edu. A Ph.D. in Physics or a related area is required and postdoctoral experience is preferred. The successful candidates will participate in undergraduate and graduate teaching, and are expected to build independent, externally funded research programs. Applicants should submit a cover letter, a CV including publications, a description of research accomplishments and proposed research, and teaching philosophy using the following site: **www.physics.qc.edu/apply**. In addition, the applicant should arrange for three confidential letters of reference to be sent to **Professor Alexander Lisyansky** by email (**lisyansky@qc.edu**). Applications will be reviewed beginning **December 1, 2014** until the position is filled. *The City University of New York is an AA/EO employer M/F/D/V.*

**Allstate Insurance:**

**Associate Data Scientist:** [**http://www.allstate.jobs/ShowJob/Id/326116/Associate-Data-Scientist/**](http://www.allstate.jobs/ShowJob/Id/326116/Associate-Data-Scientist/)

**Be innovative. Be creative. Most importantly – be your data driven, problem solving self.**This is an opportunity with Allstate Silicon Valley for a creative data scientist to use mathematical, statistical, and machine-learning techniques to assist in the research and development of predictive models, visualization applications, and decision-making tools in a data rich environment. Projects take many forms and require a diverse, flexible set of skills. This includes: the application of machine-learning/predictive-modeling algorithms to challenging business problems, the rapid development of prototype tools that help Allstate make decisions, the identification and integration of novel data sources (both internal and external) that improve our modeling and machine learning results, and the identification of business problems that may be solved with machine-learning/predictive-modeling expertise.   
**The Team**You will join a highly collaborative team contributes to corporate objectives by identifying and developing opportunities that will enable Allstate to generate profitable market growth. The Data Scientist job family is accountable for building products and disseminating knowledge to help business leaders, agents, and customers make better, data-driven decisions. There are currently multiple openings, from entry-level to highly experienced Data Scientists. Candidates will be considered for the position that best matches their skills and experience.

**Responsibilities**

The responsibilities of this opportunity will align with the overall business unit’s goals and include:

* Building best-in-class predictive models and decision tools to address business needs by leveraging state-of-the-art machine learning and statistical algorithms
* Innovating on projects by using new modeling techniques or tools
* Communicating findings to team and leadership ensure successful implementation of projects into business processes
* Actively seeking out novel methodologies, algorithms, tools, and technologies

**Qualifications**

Qualifications

* Educational Background: \*\*Graduate degree strongly preferred in Statistics, Computer Science, Machine Learning, and other quantitative fields. \*
* Solid skills and training in machine learning, statistical modeling, mathematics or related quantitative field.
* Experience in using statistical modeling and/or machine learning techniques to build models that have driven company decision making.
* Experience in managing and manipulating large, complex datasets
* Experience in working with statistical software such as SAS, SPSS, MatLab, R, CART, etc. preferred.
* Ability to code and develop prototypes in languages such as Python, Perl, Java, C preferred.
* Ability to concentrate on loosely defined problems which require application of creative approaches.
* Strong communication, time-management, organization, and prioritization skills.
* Experience using at least one machine learning algorithm (e.g. Generalized Linear Models, Gradient Boosted Classifiers, Decision Trees, Neural Networks, Support Vector Machines, Bayesian Methods, etc.)