

Carl R. Woese Institute for Genomic Biology

University of Illinois

Research Scientist – Molecule Maker Lab Institute #141040

The Molecule Maker Lab Institute (MMLI) is an NSF Artificial Intelligence Institute for Molecular Discovery, Synthetic Strategy, and Manufacturing at the University of Illinois at Urbana-Champaign, which will become a global epicenter for molecule making innovation. The MMLI is seeking a Research Scientist who will collaborate with researchers across all Institute Thrusts to apply artificial intelligence to synthesis planning, catalyst design and optimization, manufacturing, development of functional materials, and broadening access to molecule making. This position will have multiple opportunities for professional development that could help prepare them for an academic faculty position or an industry managerial position.

The University of Illinois is an Equal Opportunity, Affirmative Action employer that recruits and hires qualified candidates without regard to race, color, religion, sex, sexual orientation, gender identity, age, national origin, disability or veteran status. For more information, visit <http://go.illinois.edu/EEO>.

MAJOR DUTIES AND RESPONSIBILITIES:

- Manage interdisciplinary research projects in the institute to facilitate their impact and completion
- Conduct pioneering research in chemistry that interfaces with computer science on a project of interest
- Provide chemistry expertise and support to MMLI researchers
- Perform other related duties as required and assigned

POSITION REQUIREMENTS AND QUALIFICATIONS:

Education:

- **Required:** Ph.D. in chemistry or related fields of study. Alternate degree fields will be considered/accepted if accompanied by equivalent experience, depending upon the nature and depth of the experience as it relates to this position.

Experience:

- **Required:** Research experience in organic synthesis (broadly defined – for example, medicinal, polymer, materials science, natural product synthesis) or methodology development.
- **Preferred:** Postdoctoral research experience. Strong publication record.

Knowledge, Skills, and Abilities:

- **Required:**
 - Possess strong and poised interpersonal and relationship building skills. Ability to work collaboratively and cross-functionally with internal and external parties, serving as a technical resource across teams. Ability to supervise others, encouraging success of team members.
 - The Ability to work independently and take initiative when needed.
 - Excellent oral and written communications skills for technical and general audiences.

- **Preferred:**
 - Knowledge in one or more of the following areas:
 - Biocatalysis
 - Organic synthesis
 - Methodology development
 - Organic materials
 - High-throughput experimentation
 - General familiarity with the field of computer science.
 - Demonstrated ability to lead collaborations amongst multiple researchers.
 - Ability to lead the writing of scientific papers.

Salary: Commensurate with experience and qualifications

Appointment Status: Full-time academic professional, grant-supported appointment renewable annually pending continued funding and satisfactory progress within the position. Qualified individuals will be eligible to receive vacation, sick, and personal leave; retirement through the State Universities Retirement System; and group health, dental, vision and life insurance.

START DATE: As soon as possible after the close date.

TO APPLY: Applications must be received by March 11, 2021. To apply, all candidates must submit an online profile through <https://jobs.illinois.edu> by the close of the posting period. Interviews may be conducted prior to the closing date; however, a hiring decision will not be made until after the closing date. Qualified candidates must upload a letter of which details qualifications noted above, resume and the names and contact information of three professional references.

All requested information must be submitted for your application to be considered. Incomplete applications will not be reviewed. For further information about this specific position, contact Jacinda King (jkking@illinois.edu). For questions about the application process, please call 217-333-2137.

The University of Illinois conducts criminal background checks on all job candidates upon acceptance of a contingent offer.

The University of Illinois System requires candidates selected for hire to disclose any documented finding of sexual misconduct or sexual harassment and to authorize inquiries to current and former employers regarding findings of sexual misconduct or sexual harassment. For more information, visit [Policy on Consideration of Sexual Misconduct in Prior Employment](#)

As a qualifying federal contractor, the University of Illinois System [uses E-Verify](#) to verify [employment eligibility](#).