For more than 140 years, Eli Lilly has been dedicated to meeting the health care needs of people around the world. We address these needs primarily by developing innovative medicines—investing heavily in research and development. Lilly credits its exceptional employees for its success, and recognizes that the key to ongoing achievement lies in attracting and retaining the best people.

The Discovery Chemistry Research & Technologies organization within Lilly Research Laboratories is seeking a highly skilled scientist and team player to join the Medicinal Chemistry group located at Lilly Corporate Center, Indianapolis, IN.

LEVEL

Minimum          R1
Maximum          R2

SUMMARY OF THE POSITION

The successful candidate will:

- Keep safety as the top priority at any time, striving to maintain a strong safety culture.
- Formulate hypotheses, and design and synthesize novel small molecules to engage disease modifying targets.
- Leverage world-class structure-based drug design technologies and partner with expert colleagues in computational chemistry and biophysics.
- Optimize lead compounds to improve potency, selectivity, physicochemical properties and DMPK.
- Deliver high laboratory synthetic productivity to inform fast-paced SAR iterations through proposal and execution of synthetic routes.
- Team up with colleagues specialized in high-throughput automated synthesis, route optimization and scale-up.
- Reach out across disciplines to interact cross-functionally to address specific program needs, increase your overall business acumen and provide them with Medicinal Chemistry perspectives.

QUALIFICATIONS

Required Education and Experience:

- PhD in Organic Chemistry (completed by March, 2021) with demonstrated experience (0 - 3 years) in small molecule organic synthesis and synthetic methodology.
- Strong Synthetic Organic Chemistry skills with deep and extensive working knowledge of modern synthetic chemistry methodologies, experimental work, isolation/purification.
techniques and structural analysis of synthetic organic molecules. Ability to maintain awareness of latest literature of chemical transformations.

- Robust track record of scientific contributions including peer reviewed publications, patents and presentations.
- Excellent English language oral and written communication skills, ability to engage highly effectively as team player in a multidisciplinary and international environment.

Additional desired skills:

- Scientific creativity and ability to work independently solving problems through careful experimental design, analysis of complex data sets and mechanistic insights
- Medicinal Chemistry expertise in pharmaceutical, biotechnology or academic environments, with strong knowledge of the following areas of Drug Discovery will be highly valued:
  - Structure-based drug design.
  - Lead optimization to improve potency, selectivity and properties of compounds.
  - Drug metabolism and pharmacokinetics problem solving.
  - Computational chemistry tools and methods.
  - Biophysical techniques such as X-ray crystallography.
- Command of scientific informatics and data visualization tools (e.g. StarDrop, TIBCO Spotfire, KNIME) to undertake computationally enabled multi-property optimization approaches will be advantageous.
- Ability to lead projects and initiatives, coordinating multiple scientific activities and team members simultaneously across various sites.

Other Information:

Lilly is an EEO/Affirmative Action Employer and does not discriminate on the basis of age, race, color, religion, gender, sexual orientation, gender identity, gender expression, national origin, protected veteran status, disability or any other legally protected status.

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