

Associate R&D Director Medicinal Chemistry PhD

AriBio is a clinical stage integrated biotech company located in Seongnam, South Korea focused on developing novel therapeutics for neurodegenerative diseases. The US office is in San Diego managing global clinical operations and regulatory affairs. The lead asset, AR1001, is entering a global phase 3 program this year.

Primary Responsibility

We are seeking an experienced scientist with a medicinal chemistry background to lead AriBio's multi-disciplinary team, across platforms and divisions to drive the development of novel therapeutics for neurodegenerative diseases, particularly Alzheimer's disease. These projects will include the design of new chemical entities, lead optimization, preclinical development performed by internal and external organizations as well as handling various CRO activities. The director will also lead medicinal chemistry efforts in artificial intelligence (AI) aided drug development project for neurodegenerative disease along with the Platform team at AriBio.

Key Responsibilities and Accountabilities

1. Design and execute development strategies for small molecules from lead generation into clinical candidates for neurodegenerative diseases
2. Design and evaluate new chemical entities for potency, selectivity, and activity in preclinical animal models including DMPK/ADME/TOX and PK by coupling multivariant SAR analysis with hypothesis-driven medicinal chemistry design principles.
3. Provide medicinal chemistry insight for new target and lead identification and evaluation initiatives in the neurodegenerative disease space.
4. Initiate, manage and interpret data generated from internal and external organizations
5. Synergize with the broader team by communicating results, sharing insights, making plans, and setting goals.
6. Proactively explore new technologies to improve the drug discovery and development process using AI (Artificial Intelligence).

Qualifications & Experience

1. Ph.D. in medicinal chemistry or related discipline with a strong background in small molecule synthesis/development/medicinal chemistry.
2. At least five years of experience in the pharmaceutical/biotech industry.
3. Experience in lead compound optimization for potency, selectivity, ADME and PK.
4. Experienced in the use of synthetic chemistry instrumentation: HPLC, LC-MS, NMR, and purification systems.

5. Expert in using common medicinal chemistry software: electronic notebook, ChemDraw, Excel; data visualization; structure viewing; literature, chemical and database searching.
6. Committed to staying current with the latest scientific breakthroughs in the medicinal chemistry field through continued reading of the literature and attendance of scientific conferences.
7. Leadership with the ability to communicate effectively with a multidisciplinary team.

Other Requirements

Some international and local travel may be required to attend conferences/events/meetings.

CV and COVER LETTER.

Additionally, we are seeking the experts who can work in Korea or the US (San Diego). Therapeutic focus is on neurology/neurodegenerative disease.

- clinical operations
- clinical pharmacology
- Toxicology / preclinical development