

Qunova Computing Inc. is a pioneering quantum software company focused on developing scalable, cloud-native solutions for hybrid quantum-classical computing. Our mission is to accelerate the practical adoption of quantum computing by building software that bridges quantum theory with real-world applications in materials science, optimization, and drug discovery.

Position 1: Quantum Chemist (Drug Discovery Focus)

About the Role

We are seeking a manager-level quantum chemist with 5+ years of relevant experience and a strong interest in drug discovery to develop quantum algorithm-based methodologies for molecular simulation and drug design. This role focuses on applying quantum computing to solve challenging problems in chemistry and biology, especially related to molecular interactions and properties.

Key Responsibilities

1. Develop quantum computing algorithms for molecular simulation
2. Apply quantum chemistry methods to drug discovery problems
3. Collaborate with AI and computational teams to build hybrid workflows
4. Conduct research projects in quantum-enabled drug discovery

Required Qualifications

1. Relevant degree (Quantum Chemistry, Theoretical Chemistry, Chemical Physics, Quantum Science & Technology, or related fields)
2. Minimum 5 years of relevant professional experience, preferably at a manager or senior researcher level
3. Strong understanding of quantum mechanics and electronic structure theory
4. Experience with quantum chemistry simulation tools

Preferred Qualifications

1. Experience with small molecule or protein simulations
2. Experience with molecular dynamics or ab initio methods
3. Interest or experience in drug discovery
4. Experience or interest in quantum computing
5. Proficiency in English communication

Position 2: Computational Drug Discovery Researcher (MD & Modeling Focus)

About the Role

We are seeking a manager-level computational drug discovery researcher with 5+ years of relevant experience, specializing in computational drug discovery, with a strong focus on molecular modeling and molecular dynamics (MD) simulations. This role emphasizes physics-based simulation approaches while also exploring integration with data-driven and quantum-enabled methods.

Key Responsibilities

1. Perform molecular modeling and molecular dynamics (MD) simulations for drug discovery
2. Predict molecular properties, binding affinities, and interactions using simulation-based methods
3. Develop and optimize computational pipelines for structure-based drug design
4. Collaborate with quantum algorithm teams to explore hybrid quantum-classical workflows
5. Optionally integrate AI/ML approaches to enhance modeling and prediction performance

Required Qualifications

1. Relevant degree (Computational Chemistry, Chemical Physics, Structural Biology, Biophysics, or related fields)
2. Minimum 5 years of relevant professional experience, preferably at a manager or senior researcher level
3. Hands-on experience with molecular dynamics (MD) simulations
4. Experience with molecular modeling tools (e.g., docking, free energy calculations)
5. Strong programming skills (Python or similar)

Preferred Qualifications

1. Experience with protein-ligand systems and drug discovery workflows
2. Experience with free energy perturbation (FEP) or advanced sampling methods
3. Experience applying AI/ML in computational chemistry
4. Proficiency in English communication
5. Understanding of quantum computing fundamentals (preferred but not required)

Work Location: Daejeon or Seoul (Yangjae)

Global Work Environment: Opportunity to work alongside colleagues from diverse countries and cultural backgrounds

International Collaboration: Engagement with leading quantum computing researchers and industry partners worldwide

Competitive Compensation: Attractive salary package and comprehensive benefits

Equipment Support: Provision of essential devices and tools for working in cutting-edge technology fields

Professional Growth: Support for personal and professional development through training programs and conference participation

How to Apply

Required Documents:

Detailed research-focused CV, academic transcripts and graduation certificates (including undergraduate records), and a cover letter/personal statement outlining your motivation, relevant experience, background, and reasons for applying to your chosen field.

Submission:

recruit@QunovaComputing.com

Inquiries:

For any questions regarding the application process, please contact us at the submission email above.

Recruitment Process

1. **Document Screening**
2. **First Interview:** Technical interview, research presentation, and team discussion
3. **Final Interview:** Executive management interview

Disclaimer: *This posting is for recruitment purposes only and may be subject to change without notice. We reserve the right to modify the hiring process or position details at our discretion. Applicant information will be treated confidentially and used solely for recruitment purposes. Only selected candidates will be contacted.*