

## Applied Research Scientist, Molecular Simulation

[Apply Now](#)

Company: InstaDeep

Location: London Area

Category: other-general

InstaDeep is looking for an Applied Research Scientist to join our expanding team. Applied Research Scientists at InstaDeep develop algorithms and data pipelines focused mainly, but not exclusively, on physics-based methods. As part of the BioAI team, you will be contributing to the development of new approaches in molecular modelling, protein interactions, protein design and other related domains by applying your technical, analytical, and research skills. You will understand the underlying biology and engineering problems and follow the latest developments in machine learning and classical modelling algorithms to identify and harness the right technologies to solve the problems, improve the existing solutions and deploy them. You will collaborate with a multi-functional team, experiment with different approaches, analyse and communicate the results in order to deliver proof of concepts and ensure continuous improvement and maintenance for industrialised solutions. Keywords: Computational molecular Physics, Structural Biology, Computational Chemistry, Protein Interactions, Protein Design, Molecular Dynamics, Monte Carlo, Enhanced Sampling, Machine Learning, Deep Learning, Statistics, Data Science Responsibilities Design, implement and deliver complex pieces of research in the area of computational molecular physics/biology. Implement and test pioneering enhanced sampling methods and free energy calculation techniques that leverage and supplement machine learning approaches. Communicate and collaborate with research engineers in a multi-functional team to integrate simulation-based solutions into drug discovery platforms and ensure they are robust, maintainable and easily used by scientists Report results clearly and efficiently, both internally and externally, verbally and in writing. Understand and follow the latest

biology/biophysics and machine learning developments for relevant applications. Write maintainable and modular code together with concise documentation. Required Skills Master, PhD degree or equivalent experience in Biophysics, Chemistry, Biochemistry, Computational Chemistry/Biology or any related scientific field. A proven track record of methods development/deployment for molecular simulations and/or Computational Chemistry/Biology. Good software engineering experience (Python, Docker, Linux, Git). Experience with protein structure modelling and/or simulation. Excellent communication skills in English. Appropriate work permit for the considered location. Nice to have Experience with quantum mechanics software and methods. Experience running jobs on cloud-based infrastructure at scale. Familiarity with in-silico drug discovery pipelines. A real passion for delivering computational solutions for complex biological problems. Benefits Competitive compensation package. Working in small, diverse teams where you can make an impact. Varied challenges across industries. Cooperation across European, US, and African offices. Annual offsite events. Our commitment to our people We empower individuals to celebrate their uniqueness here at InstaDeep. Our team comes from all walks of life, and we're proud to continue encouraging and supporting applicants from underrepresented groups across the globe. Our commitment to creating an authentic environment comes from our ability to learn and grow from our diversity, and how better to experience this than by joining our team? We operate on a hybrid work model with guidance to work at the office at least 2 to 3 days per week to encourage close collaboration and innovation. We are continuing to review the situation with the well-being of InstaDeepers at the forefront of our minds. Right to work: Please note that you will require the legal right to work in the location you are applying for.

[Apply Now](#)

#### **Cross References and Citations:**

- 1. Applied Research Scientist, Molecular Simulation**[Pilotjobsnearme Jobs London Area](#)[Pilotjobsnearme](#) ↗
- 2. Applied Research Scientist, Molecular Simulation**[MalaysiajobsJobs London Area](#)

**Malaysiajobs** ↗

**3. Applied Research Scientist, Molecular SimulationArchitecturejobs Jobs London AreaArchitecturejobs** ↗

**4. Applied Research Scientist, Molecular SimulationEmploymentnowJobs London Area Employmentnow** ↗

**5. Applied Research Scientist, Molecular SimulationCustomerservicejobsJobs London AreaCustomerservicejobs** ↗

**6. Applied Research Scientist, Molecular SimulationIraqjobs Jobs London Area Iraqjobs** ↗

**7. Applied Research Scientist, Molecular SimulationNewsmediajobs Jobs London Area Newsmediajobs** ↗

**8. Applied Research Scientist, Molecular SimulationJournalistjobs Jobs London Area Journalistjobs** ↗

**9. Applied Research Scientist, Molecular SimulationProjectmanagementjobs Jobs London AreaProjectmanagementjobs** ↗

**10. Applied Research Scientist, Molecular Simulation ConstructionjobsJobs London AreaConstructionjobs** ↗

**11. Applied Research Scientist, Molecular Simulation Journalistjobs Jobs London Area Journalistjobs** ↗

**12. Applied Research Scientist, Molecular Simulation GhanajobsJobs London Area Ghanajobs** ↗

**13. Applied Research Scientist, Molecular Simulation Ukrainejobs Jobs London Area Ukrainejobs** ↗

**14. Applied Research Scientist, Molecular Simulation MontrealjobsJobs London Area Montrealjobs** ↗

**15. Applied Research Scientist, Molecular Simulation Searchnzjobs Jobs London Area Searchnzjobs** ↗

**16. Applied Research Scientist, Molecular Simulation StockholmjobsJobs London Area Stockholmjobs** ↗

**17. Applied Research Scientist, Molecular Simulation Beijingjobs Jobs London Area Beijingjobs** ↗

**18. Applied Research Scientist, Molecular Simulation Jobsearchnews Jobs London Area Jobsearchnews** ↗

19. **Applied research scientist, molecular simulation Jobs London area** ↗
20. **AMP Version of Applied research scientist, molecular simulation** ↗
21. **Applied research scientist, molecular simulation London area Jobs** ↗
22. **Applied research scientist, molecular simulation JobsLondon area** ↗
23. **Applied research scientist, molecular simulation Job Search** ↗
24. **Applied research scientist, molecular simulation Search** ↗
25. **Applied research scientist, molecular simulation Find Jobs** ↗

Source: <https://uk.expertini.com/jobs/job/applied-research-scientist-molecular-simulation-london-area-instadeep-2599-55158/>

Generated on: 2024-05-03 by Expertini.Com