

[Your Full Name]

[Your Professional Title/Current Academic Status]

[Institution/Department Name]

[Email Address]

[Phone Number]

[ORCID ID/Research Portfolio Link]

[Date]

[Principal Investigator Name]

[Department of Physics/Chemical Physics]

[University/Research Laboratory Name]

[Street Address]

[City, State, Zip Code]

Dear [Dr./Professor/Selection Committee] [Recipient Last Name],

I am writing to formally express my interest in the [Position Title, e.g., Postdoctoral Researcher / PhD Candidate] position within the [Specific Lab Name] at [Institution], as advertised via [Source]. With a specialized background in [Specific Field, e.g., Precision Spectroscopy / Ultracold Atoms / Quantum Optics], I am eager to contribute to your ongoing research regarding [Specific Research Topic of the Lab].

During my [Previous Academic Phase], I focused on [Brief Description of Research Project]. My work involved [Key Technical Skills, e.g., Laser Cooling, Vacuum Systems, Ab Initio Calculations, or Synchrotron Radiation]. Specifically, I successfully [Describe a Key Result or Achievement], which resulted in [Number] publications in journals such as [Journal Name]. This experience has provided me with a robust understanding of [Core Physics Concept, e.g., Light-Matter Interactions or Electronic Structure Theory].

Your group's recent work on [Reference a specific paper or project from the lab] aligns closely with my technical expertise in [Specific Method/Tool]. I am particularly interested in applying my knowledge of [Sub-field] to help advance your objectives in [Current Lab Goal]. I am confident that my proficiency in [Software/Hardware/Programming Language] and my collaborative approach to laboratory research will make me a valuable asset to your team.

Thank you for your time and consideration. I have attached my Curriculum Vitae, Research Statement, and contact information for [Number] references. I look forward to the possibility of discussing how my research background in Atomic and Molecular Physics can support the goals of [Institution].

Sincerely,

[Signature - if sending by mail]

[Your Printed Name]