

[Your Full Name]  
[Your Institution/Department]  
[Your Email Address]  
[Your Phone Number]  
[ORCID/LinkedIn/Personal Website Profile]

[Date]

[Principal Investigator Name]  
[Department Name]  
[University/Research Institute Name]  
[City, State, Zip Code]

Dear Dr. [PI Last Name],

I am writing to express my strong interest in the Postdoctoral Research Fellow position in [specific sub-field, e.g., Superconducting Qubits / Quantum Information Theory / Topological Insulators] within the [Name of Lab/Group] at [Institution], as advertised via [source of advertisement].

I recently completed (or will complete by [Date]) my Ph.D. in [Field] at [Your University] under the supervision of [Advisor Name]. My doctoral research focused on [brief description of thesis work, e.g., the development of error-mitigation protocols for NISQ devices]. During this time, I developed expertise in [Skill 1], [Skill 2], and [Skill 3], which resulted in [mention key achievement, e.g., a first-author publication in Nature Physics].

Your group's recent work on [mention a specific paper or project from the PI's lab] aligns closely with my research interests and technical background. Specifically, I am eager to apply my experience in [Technical Method] to your current investigations into [Specific Research Goal of the Lab]. I am particularly drawn to [Institution] due to its collaborative environment and the state-of-the-art facilities in [specific facility or center].

Beyond my technical skills, I have experience in [mention soft skills: mentoring graduate students / securing grant funding / leading cross-institutional collaborations]. I am highly motivated to contribute to the innovative research being conducted in your laboratory and to further the field of quantum science alongside your team.

Thank you for your time and consideration. I have attached my CV, research statement, and contact information for three references. I look forward to the possibility of discussing how my background can support your research program.

Sincerely,

[Your Signature]  
[Your Printed Name]