

[Your Full Name]
[Your University Email]
[Your Phone Number]
[LinkedIn Profile/Portfolio Link]

[Date]

Dr. [Principal Investigator Name]
[Laboratory Name]
Department of [Department Name]
[University Name]

Dear Dr. [PI Last Name],

I am a [Year, e.g., Sophomore] undergraduate student pursuing a degree in [Major, e.g., Neuroscience/Biology] at [University Name]. I am writing to formally express my interest in joining the [Lab Name] as an Undergraduate Research Assistant for the [Season/Year] semester. Having followed your recent work on [Specific Topic/Paper], I am particularly interested in your laboratory's approach to [Specific Research Area, e.g., neural plasticity or optogenetic applications].

My academic background has provided me with a strong foundation in [List 2-3 Relevant Courses, e.g., Cellular Neuroscience and Organic Chemistry]. I have developed technical proficiency in [List Skills, e.g., pipetting, microscopy, data analysis in R/Python, or animal handling] through [Coursework/Previous Experience]. I am eager to apply these skills to support your project regarding [Specific Project Name or Lab Focus].

I am drawn to your lab specifically because [Detail a specific reason: e.g., use of specific imaging techniques or focus on a particular disease model]. I am a detail-oriented student committed to the rigors of bench science and am available to dedicate [Number] hours per week to laboratory tasks and meetings.

Thank you for your time and for considering my application. I have attached my CV and academic transcript for your review. I look forward to the possibility of discussing how I can contribute to the [Lab Name] research team.

Sincerely,

[Your Name]