

[Your Name]
[Current Department/Institution]
[Email Address]
[Phone Number]
[Professional Website/Lab Link]
[Date]

[Chair of the Search Committee]
[Department of Biology/Biological Sciences]
[University Name]
[University Address]

Dear Members of the Search Committee,

I am writing to express my enthusiastic interest in the Assistant Professor position in [Specific Field, e.g., Molecular Genetics] at [University Name], as advertised in [Source]. As a [Current Title] at [Current Institution] with expertise in [Primary Research Area], I believe my research program on [Core Research Question] aligns perfectly with the department's strengths in [Mention 1-2 Departmental Focus Areas].

My research focuses on [Detailed Research Summary]. During my postdoctoral training in [PI Name]'s lab, I developed [Specific Technique or Model System] to investigate [Key Biological Problem]. My work has led to [Number] publications in peer-reviewed journals such as [Journal Names], and has been supported by [Granting Agency/Fellowship Name].

At [University Name], I plan to establish a research program that [Short-term Goal, e.g., utilizes CRISPR-Cas9 to map metabolic pathways]. In the long term, my laboratory aims to [Long-term Impact]. I am prepared to apply for external funding through agencies such as [NIH/NSF/Other Body] and have already identified [Specific University Core Facility] as a vital resource for my upcoming projects.

Beyond research, I am committed to excellence in teaching and mentorship. I am prepared to teach core courses in [Course Subject 1] and [Course Subject 2], and I look forward to developing a graduate seminar on [Specialized Topic]. I am dedicated to fostering an inclusive laboratory environment and supporting the professional growth of diverse student populations.

Enclosed are my curriculum vitae, research statement, teaching philosophy, and contact information for my references. Thank you for your time and consideration of my application.

Sincerely,

[Your Signature]
[Your Printed Name]