

SCIENCE COVER LETTER

Chemistry Postdoctoral Researcher

[Today's Date]

[Hiring Manager's Name]

123 Company Address

Company's City, State, Zip Code

(xxx) xxx-xxxx

hiring_manager@gmail.com

Dear [Dr./Mr./Ms./Mx.] [Hiring Manager's Last Name],

I'm writing to express my interest in a postdoctoral research position in your lab at Harvard University, which I discovered through your lab website. I recently received my Ph.D. from the Chemistry Department at Columbia University under the supervision of Dr. John Smith. In my thesis work, I applied my skills in structural chemistry to characterize chromatin factors involved in human cancer. As your lab uses chemistry to investigate cancer epigenetics and functional genomics, I believe my diverse technical skills and interest in cancer research make me an ideal fit for your lab.

One major part of my thesis work was the isolation of the protein MADP-1, which has eluded purification by the field for six years. Having tried three conventional methods to isolate MADP-1, I tackled the problem through development of a novel purification scheme. I then determined the contacts between MADP-1 and PRC2 by X-ray crystallography. As the Smith Lab specializes in the study of metabolic signaling proteins - rather than chromatin factors - involved in cancer, I pioneered three chromatin assays in our lab. To further elevate the MADP-1 project, I collaborated with chromatin expert Dr. Maria Curry Lab at Stanford. Therefore, I am not afraid to go where the research takes me, and value being both an independent as well as highly collaborative researcher.

I am particularly interested in your work in cancer epigenetics, specifically your recent publications using CRISPR/Cas9-induced mutagenesis for genome-wide screens. Having planned and executed three high-throughput drug screens and assisted with two genetic screens, I am confident that I can apply my previous experience to perform similar screens in your laboratory. Additionally, I trained four undergraduates during my PhD. Specifically, I taught bench techniques, oversaw experiments, and edited their scientific writing, such as conference posters and senior theses. As a postdoctoral researcher at your laboratory, it would be a privilege to continue mentoring junior researchers.

I believe my resourceful and collaborative nature, interdisciplinary technical skills, and interest in disease research make me well-suited to work in your lab. I look forward to discussing more with you about my fit within your research group. Thank you for your time and consideration.

Sincerely,

Jane Webster

Science Experiments Cover Letter Guide

R Bogdan



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