January 2, 20xx

Dr. First and Last Name
Company
00 Street
City, State, zip

Dear Dr. Last Name:

I am writing to inquire about the scientist job (#0000000) posted on the xx Company website within the protein- engineering department and to express my interest in contributing to your work in this field.

With an extensive background in both enzymology and bioinformatics, I believe that I would bring an unusually valuable mix of skills and perspectives to the projects being launched in this field. While working in the laboratory of XXXX, I have learned how the study of molecular evolution can guide scientific discoveries. Understanding nature's strategy to conscript protein scaffold to deliver a wide array of functions can reveal important insights into the protein structure- function relationship. Using mechanistically diverse superfamily framework, I have mastered methodologies in identifying and clustering a large number of homologous proteins into their respective families and superfamilies.

Placing these proteins in the context of a superfamily will allow us to:

- Gain valuable insight in to protein function.
- Identify common structural features that can be associated with common chemistry
- Study protein ligand interaction and assess the scope of cross-reactivity
- Identify close homologues for directed evolution to engineer new protein function
- Identify candidate genes for a pathway engineering

Including bioinformatics, my training in enzymology enables me to understand detailed enzyme reaction mechanisms and their interaction with potential drugs. My ability to design and execute necessary experiments to understand functional mechanism allows me to run projects independently. My understanding of interdisciplinary science also gives me a unique opportunity to interact and collaborate effectively with scientists from different areas.

I would welcome the opportunity to meet with you to discuss our mutual research interests and to explore ways in which I could make a contribution to xx Company's protein engineering program.

Sincerely,

Your First Name and Last Name
00 Street Address
City, State, zip
Telephone Number
Email address