

RESEARCH SCIENTIST

Emily Carter

COVER LETTER

Dear Dr. Barron,

I am writing to express my strong interest in the Research Scientist position within Genentech's Immunology Division. As a PhD graduate in Molecular Biology from UC San Diego, I have spent the past six years exploring protein signaling pathways involved in autoimmune disorders. I am eager to contribute my scientific rigor and translational insight to Genentech's mission of advancing patient-centered therapies.

During my doctoral work in Dr. Erica Ollmann Saphire's lab, I led a study on the structural behavior of IL-23 cytokines in inflammatory pathways. Using CRISPR-Cas9 gene editing and X-ray crystallography, I identified a mutation that enhances receptor-ligand stability — a discovery now under peer review at **Cell Reports**. Collaborating with immunologists and structural chemists across the Scripps Research Institute sharpened my ability to communicate across disciplines and adapt experimental approaches to complex problems.


Genentech's development of TECENTRIQ and its pioneering work in checkpoint inhibition has long inspired me. I am particularly drawn to your ongoing Phase II trials investigating IL-10 pathways in inflammatory bowel disease. I believe my background in cytokine modulation and receptor biophysics would complement this research effectively.

Thank you for considering my application. I have enclosed my CV and references, and would appreciate the opportunity to discuss how my expertise aligns with your pipeline.

Sincerely,

Emily Carter

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FROM

Emily Carter

Research Scientist

TO

Dr. Hal Barron

Genentech, Inc.