George Smith

Molecular Biologist

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Profile Summary

Dynamic and results-driven Molecular Biologist with over 5 years of experience in research and development. Expert in cell biology, genetics, and biochemical assays, with a proven track record of advancing scientific understanding and producing significant contributions to molecular biology studies. Passionate about translating complex scientific concepts into innovative solutions to improve human health.

Work Experience

Research Scientist

Genentech
1st June, 2019 - Present

- Led a team of 4 researchers in developing a novel method for analyzing protein synthesis, increasing study accuracy by 30%.
- Published 3 peer-reviewed articles in high-impact journals, garnering over 100 citations collectively.
- Collaborated with cross-functional teams to design experimental protocols that improved data reproducibility by 20%.

Postdoctoral Research Fellow

Harvard University
1st September, 2016 - 31st May, 2019

- Conducted advanced research in genome editing techniques, leading to the development of a breakthrough CRISPR-Cas9 application.
- Mentored 5 graduate students, enhancing lab productivity and securing 2 research grants worth $200,000.
- Collaborated on a funded project with MIT, resulting in co-authorship on a Nature publication.

Education

Harvard University

Ph.D. in Molecular Biology
1st September, 2012 - 31st August, 2016

University of California, Berkeley

B.Sc. in Biochemistry
1st September, 2008 - 31st May, 2012

Skills

Cell Biology, Genetics, CRISPR-Cas9, Data Analysis, Scientific Writing, Team Leadership

Notable Projects

CRISPR-Cas9 Genome Editing Application

Developed a novel CRISPR-Cas9 application that improved efficiency by 40% in targeted genome modifications, with applications in cancer research.

Protein Synthesis Analysis Method

Innovated a new method for protein synthesis analysis, which increased accuracy and resulted in better understanding of cellular processes.

Certifications

Certified Molecular Biologist

Issued by American Institute of Biological Sciences, 15th March, 2021

Awards

Early Career Researcher Award

Awarded by American Society for Biochemistry and Molecular Biology, 1st December, 2020