MICHAEL ANDERSON

Biophysicist

CONTACT

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EDUCATION

M.Sc. in Biophysics
University of Science
2014

SKILLS

- Nucleic acid interactions
- isothermal titration calorimetry
- circular dichroism spectroscopy
- data analysis
- mentorship
- communication

LANGUAGES

- English
- Spanish
- French

Motivated biophysicist with 7 years of experience in academic research and pharmaceutical applications, focusing on the interactions between nucleic acids and proteins. My research has provided valuable insights into the mechanisms of gene regulation and its implications in disease states. I am skilled in various biophysical techniques such as isothermal titration calorimetry and circular dichroism spectroscopy.

WORK EXPERIENCE

Biophysicist 2020-2023
STU University

- Conducted research on RNA-protein interactions using isothermal titration calorimetry.
- Developed experimental protocols to study the dynamics of gene regulation.
- Published findings in reputable journals, enhancing the department's research profile.
- Supervised student researchers in laboratory techniques and data analysis.
- Presented research outcomes at academic conferences, fostering collaboration.
- Secured funding for innovative research projects from national grants.

Research Associate 2019-2020
VWX Biotech

- Investigated protein-nucleic acid interactions to inform drug design strategies.
- Utilized circular dichroism spectroscopy to analyze secondary structure changes.
- Participated in the development of assays for high-throughput screening.
- Collaborated with multidisciplinary teams to enhance drug discovery processes.
- Provided data analysis support for ongoing research projects.
- Maintained laboratory equipment and ensured compliance with safety standards.

ACHIEVEMENTS

- Published three articles in high-impact journals, contributing to the field of genetic therapies.
- Awarded funding for a research project on RNA-targeted drug design.
- Recognized as a top presenter at the National Biophysics Conference.