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Ngoc Ballard

Assistant Computational Chemist / Chemical Engineer –
Catalysis

JULY 05, 2026

Hiring Manager
Innovative Research Labs
Chicago, IL

Dear Hiring Manager,

I am thrilled to apply for the Assistant Computational Chemist position at Innovative Research Labs, this role fits my background well and reflects my deep commitment to catalysis research alongside my experience in computational methodologies.

In my recent role as a Postdoctoral Researcher, I led efforts in electrocatalysis, enhancing the understanding of reaction mechanisms, while actively collaborating with experimental teams to glean insights, translate findings, and ultimately optimize catalyst designs.

Transitioning from academia to practical applications can be tricky; however, this experience taught me resilience and adaptability, developing multiscale modeling techniques which improved efficiencies through rigorous testing and simulation of reaction pathways.

My familiarity with machine learning methods fits the needs of your team, as I developed automated workflows, leveraging AI, contributing to predictive modeling capabilities within the field, and mentoring peers along the way boosted my professional outlook and collaborative skills.

I admire Innovative Research Labs' commitment to pushing boundaries in catalysis and would be honored to contribute to projects that focus on relevant advancements while modeling strong values of teamwork, dedication, and integrity in the research landscape.

I look forward to the opportunity to discuss my background and how it aligns with your needs.

Sincerely,

Ngoc Ballard

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