

Dear Hiring Committee,

I am writing to express my interest in roles at the intersection of computational biology, machine learning, and systems design. My long-term goal in this field is not merely to analyze biological data, but to deepen our collective understanding of how living systems organize themselves — and to use that understanding to help humanity become better stewards of life.

To me, evolution represents nature's most powerful example of a decentralized, discovery-driven process. In this sense, it functions much like the free market described by thinkers such as Friedrich Hayek and Murray Rothbard: order emerges not from central control, but from countless local interactions, feedback loops, and adaptive experimentation. I see biology and political economy as parallel systems that reveal the same truth — that resilience, creativity, and sustainability arise from voluntary coordination rather than top-down command.

In computational biology, I want to model these principles rigorously. By applying machine learning, network science, and multi-omics analysis, I aim to uncover how decentralized genetic, cellular, and ecological systems self-organize across scales. My particular interest lies in connecting high-level patterns of growth and adaptation to underlying DNA-level mechanisms, enabling predictive models that respect the complexity of life rather than reducing it to rigid, mechanical parts.

Ultimately, I hope to contribute to a new paradigm of bio-design — one that works with living systems instead of trying to dominate them. This means developing tools that guide growth through gentle constraints, feedback, and learning rather than coercive engineering. Such an approach mirrors the ethics of voluntarism: shaping environments that allow life to flourish on its own terms.

I am excited by the possibility of joining a team that values both technical rigor and philosophical depth — one that recognizes that our most powerful technologies should align with the principles that already govern the natural world. I would welcome the opportunity to discuss how my background in bioinformatics, machine learning, and systems thinking could contribute to your work.

Thank you for your time and consideration.

Sincerely,  
Sage Clokey