Systems And Methods For Fully Automated Protein Engineering

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The Invention

Systems and methods for protein engineering. The systems include a sequence testing subsystem and a machine learning subsystem. The sequence testing subsystem is configured to express proteins and test the expressed proteins for a given property. The machine learning subsystem is configured to model the activities of a set of possible proteins in light of the properties of the tested proteins and provide one or more untested proteins in the set to the sequence testing subsystem for subsequent testing. The system can be run in an iterative fashion and be fully automated. Methods of using the systems are provided.

Additional Information

For More Information About the Inventors

- Philip Romero

Tech Fields

- Drug Discovery & Development : Preclinical testing
- Research Tools : Genomics & proteomics

For current licensing status, please contact Jennifer Gottwald at jennifer@warf.org or 608-960-9854