

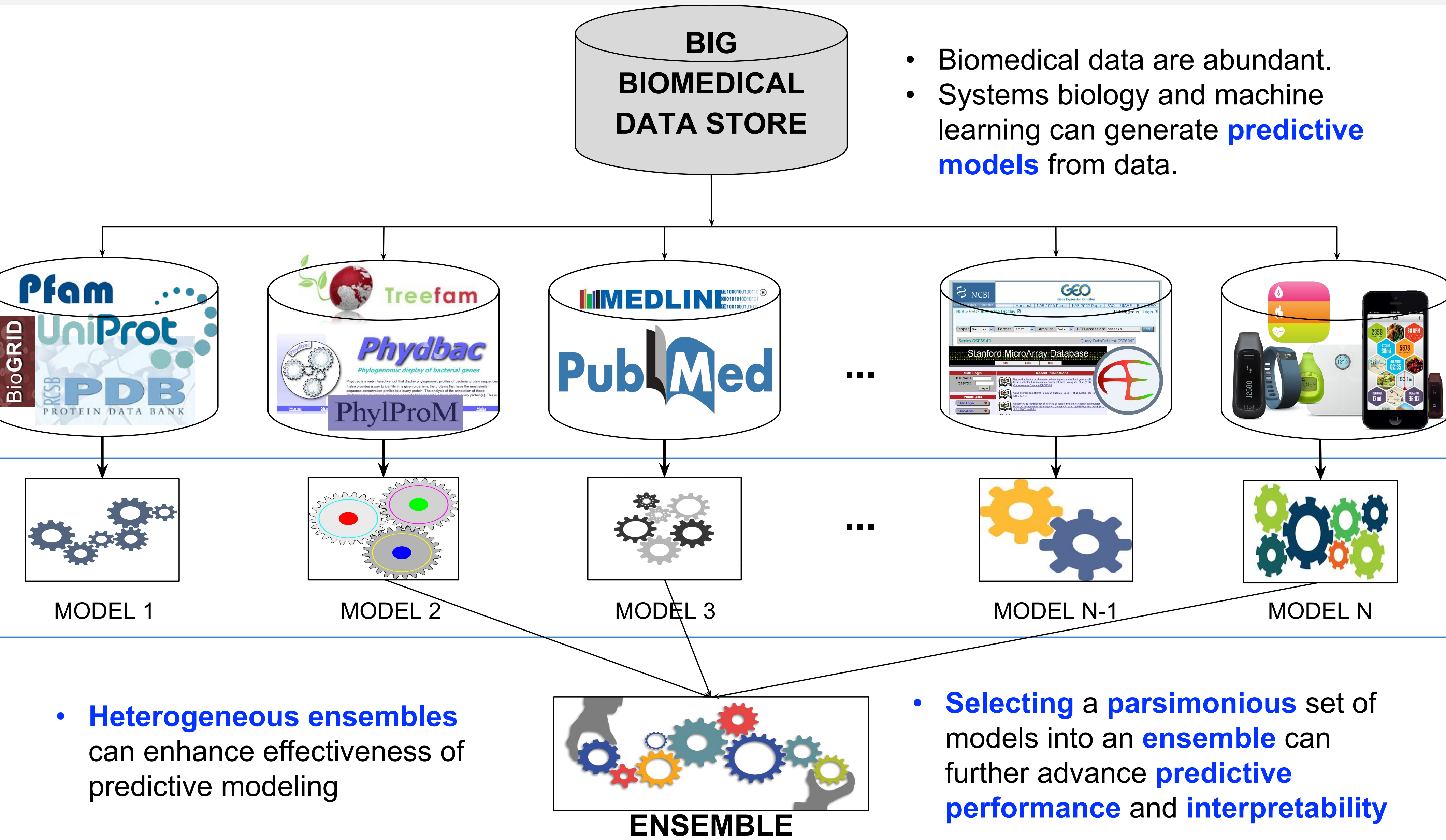
Integrating heterogeneous predictive models using Reinforcement Learning

Ana Stanescu¹ and Gaurav Pandey²

¹ University Of West Georgia

² Icahn School of Medicine at Mount Sinai, New York, NY

LEARNING HETEROGENEOUS ENSEMBLES



IDEA: A novel ensemble selection approach based on reinforcement learning, which provides a systematic way of exhaustively exploring the many possible combinations of base predictors that can be selected into an ensemble.

REINFORCEMENT LEARNING (RL) FOR ENSEMBLE SELECTION (ES)

Reinforcement Learning

- Possible actions