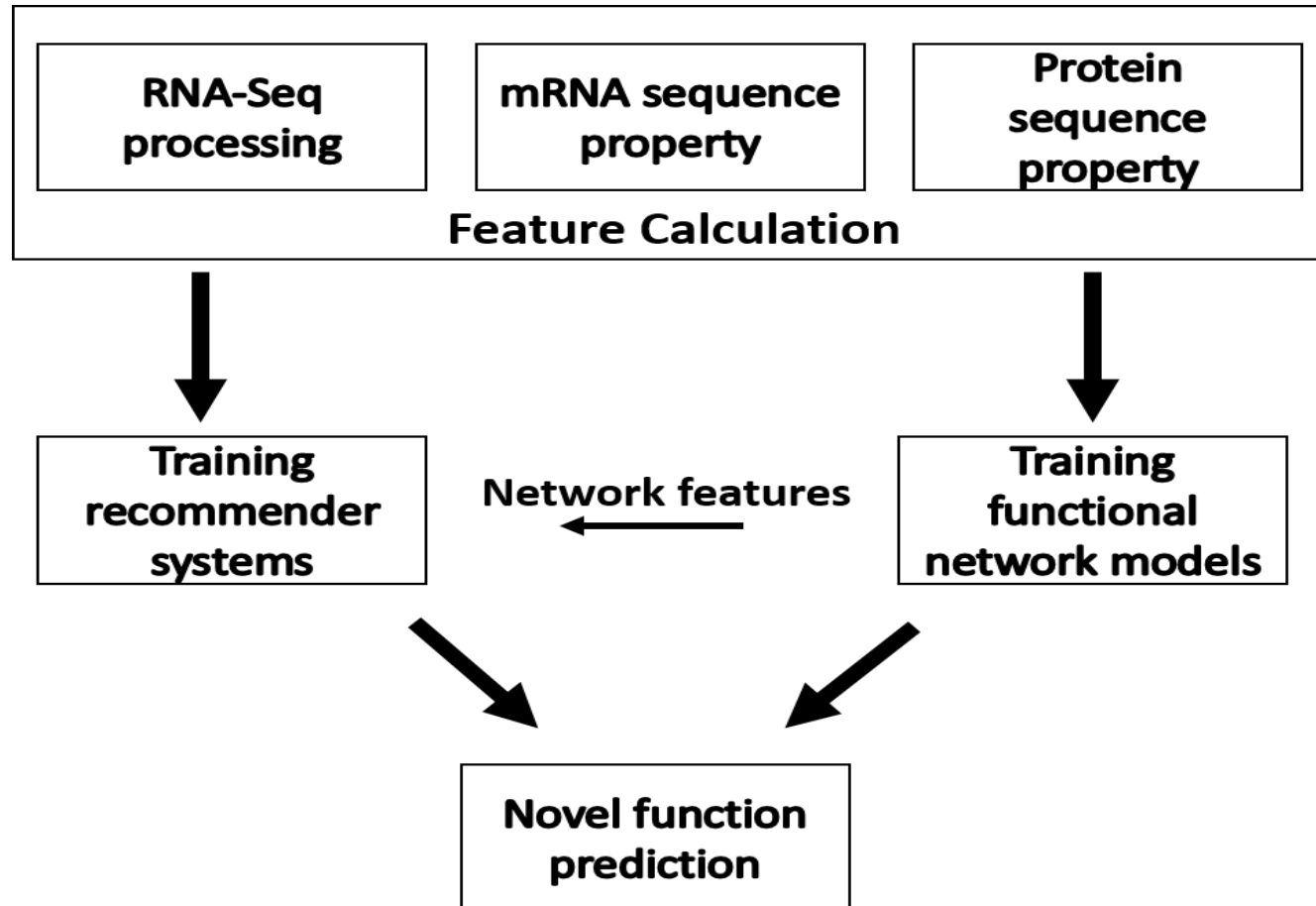


IOWA STATE UNIVERSITY

Bioinformatics and Computational Biology
Graduate Program

Gaurav Kandoi

Function prediction methods for mRNA isoforms



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Challenges

- Scalability and optimization: Several steps limited to single node or even single core!
- Large datasets → Large memory and disk space requirements

Expectations

- Code performance and optimization
- GPU computing
- Scalability and Parallel computing