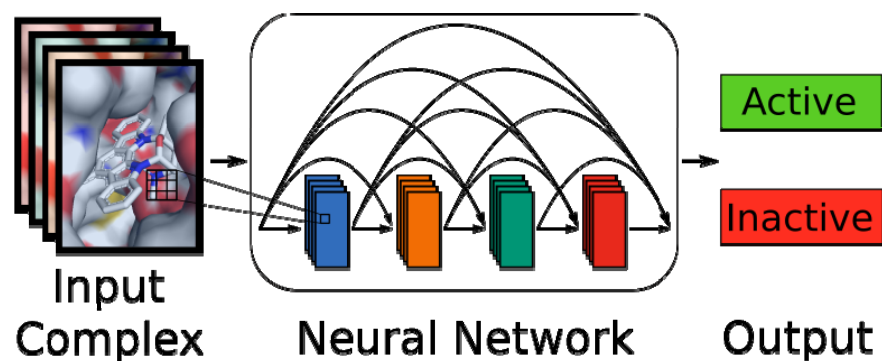


P08

Virtual screening with protein family-specific models using convolutional neural networks and transfer learning

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- Reframe structure-based virtual screening as a **computer vision problem**
- Exploit the advances in modern **convolutional neural networks**
- Protein family-specific model > universal model
- **More data** required even in data-rich protein families

