

# ADAPT in SC ML in Synth Bio

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## Introduction

Dopamine is important in:

- Addiction
- Mental Illnes
- Neurodegenerative Disorders

Designing sensors is costly, machine learning can speed it up...

## Methodologies

Inspired by Angenent-Mari et al. (2019), we attempted the following:

- Verify that training on the the sequences of RNA themselves would perform better
- Build an architecture to train future models
- Attempt to cross-train pre-existing models on WU's data



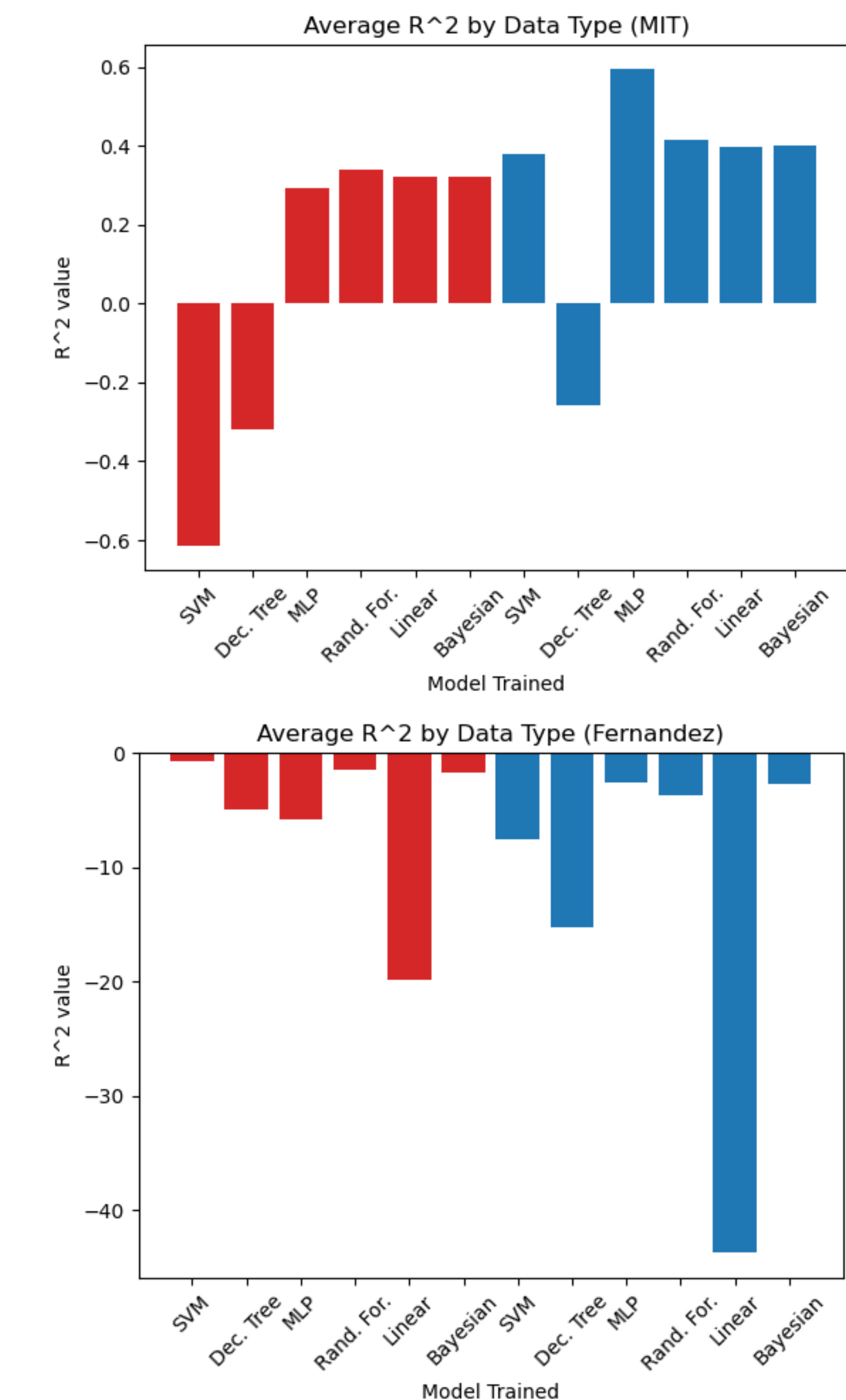
*Department of  
Mathematics*

# Machine Learning algorithms show promise in designing better riboswitches for the detection of dopamine



Take a picture to see  
the Open-Source GitHub

## Results



## Acknowledgements

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