

Week 6 Minutes

Calvin

September 14, 2025

Attendees: Albert, Kyle, Calvin, Tim
Date: 10th of September 2025 from to Location: Fisher Library floor 2

Deciding new project

- Kyle noted that Martin mentioned on Ed discussion that projects should involve **more than two ODEs**, so we are reconsidering our project design.
- Our previous project direction included a **PDE component**, which is out of scope for this pitch, so we must pivot.
- The most recent idea we explored also drifts into PDE territory, meaning we will need to conduct further research before committing.
- We discussed drafting an **email to Martin** to clarify the requirements — specifically, to confirm:
 1. Whether the **Hodgkin–Huxley model** is acceptable as a project basis.
 2. Whether having **more than two ODEs** is strictly required.
 3. Whether alternative models like the **Izhikevich model** would be considered valid.
- Albert worked on the submodels and comparative analysis
- Kyle worked on the hodkin huxley and hindmarsh rose models
- Calvin worked on finding research papers