Manubot Rootstock: Manuscript Title

Research Plan

Authors

- **John Doe**
- **Jane Roe**

Introduction

Determine the mechanism by which highly enriched PtdInsP_2 domains are stabilized

Recent studies have shown that submicron domains of PtdIns(4,5)P_2 exist *in vivo* at physiological levels of monovalent and divalent cations.

These clusters reach a stable size around 80 nm.

PtdIns(4,5)P_2 caries a large negative charge.

We have shown that Ca^{2+} is able to stabilize these clusters, in a limited fashion.

We have recently shown how Ca^{2+} can initiate the formation of clusters, however, it is not clear how clustesrs grow until they reach ~ 80 nm.

References