1. **Background**

We want to create a social network for scientists and researchers to facilitate scientific communication. The project achieves the following main objectives:

* Each member will have a personal profile page.
* Each member can publish posts.
* Each member can follow other members.
* Each member can comment on others’ posts.
* Each member can search for other members and their posts.

1. **Motivation**

Scientific researches have become a lot more collaborative than before due to advancements in tele-communication technology. There are increasing numbers of cross-state and cross-national research teams working on the same research project. We believe it’s valuable to create a centralized social platform for scientists to share ideas and collaborate with each other.

1. **Related work**

Frontend:

* HTML, CSS, JS, embedded scala
* play! - restful server
* bootstrap - auto resizing
* Ajax, JQuery - Asynchronous communication

Backend:

* play! - restful server
* JPA - Data modeling
* MySql - Database