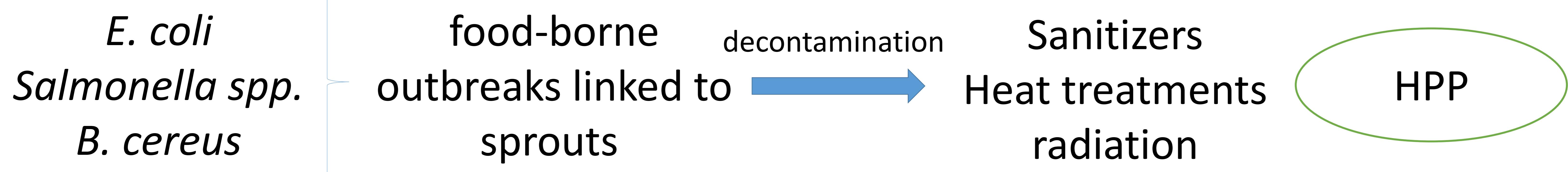


DECONTAMINATION OF SEEDS FOR SEED SPROUT PRODUCTION BY HIGH HYDROSTATIC PRESSURE

Mercedes Descalzo Pérez
June 2016

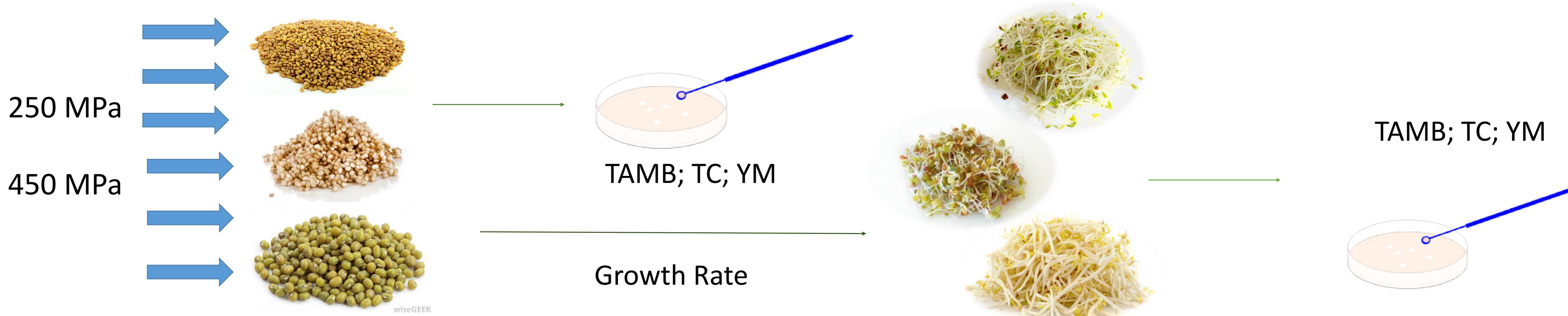
INTRODUCTION



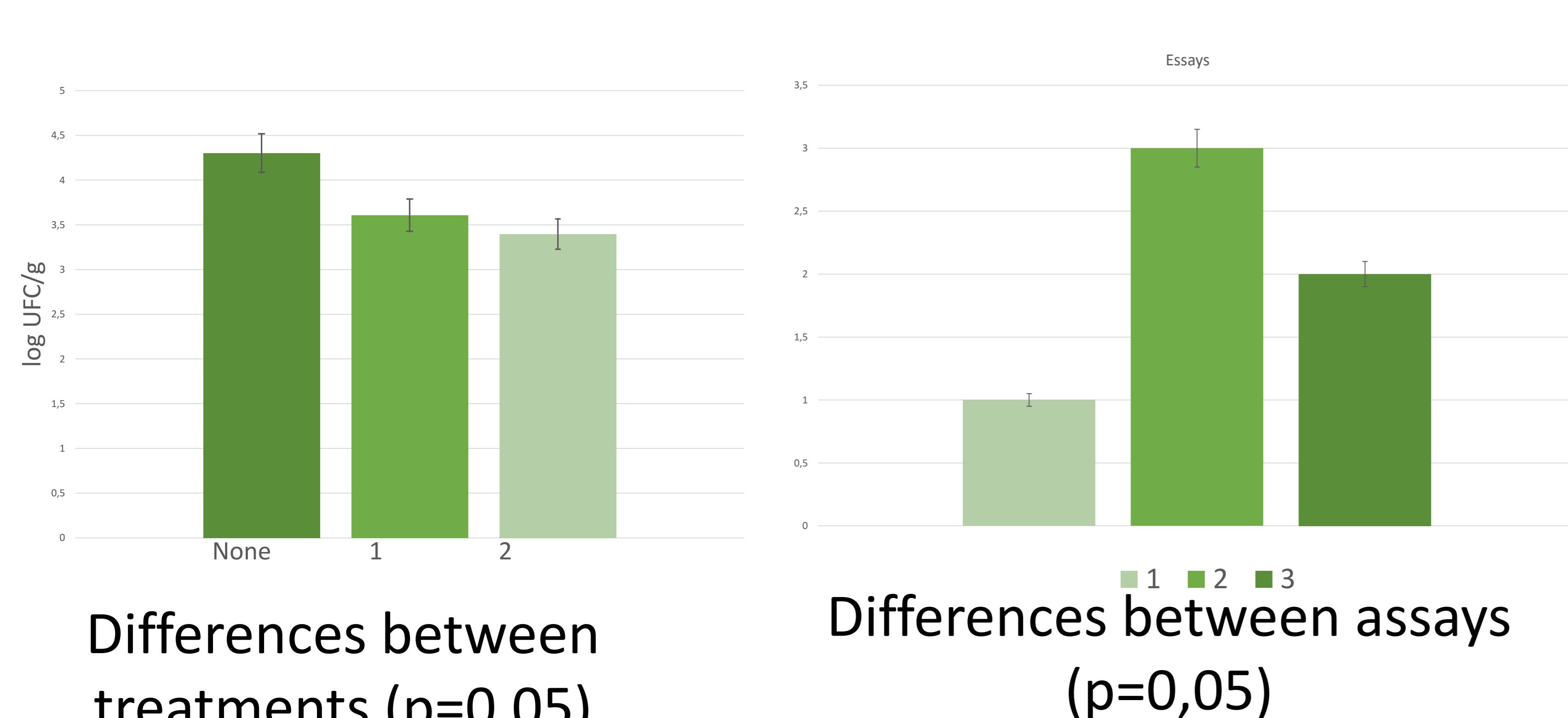
- To quantify the effect and differences between each treatment in the microorganisms naturally in seeds.
- To describe differences in germination rate caused by high pressure treatment.

OBJECTIVES

MATERIALS AND METHODS



RESULTS AND DISCUSSION

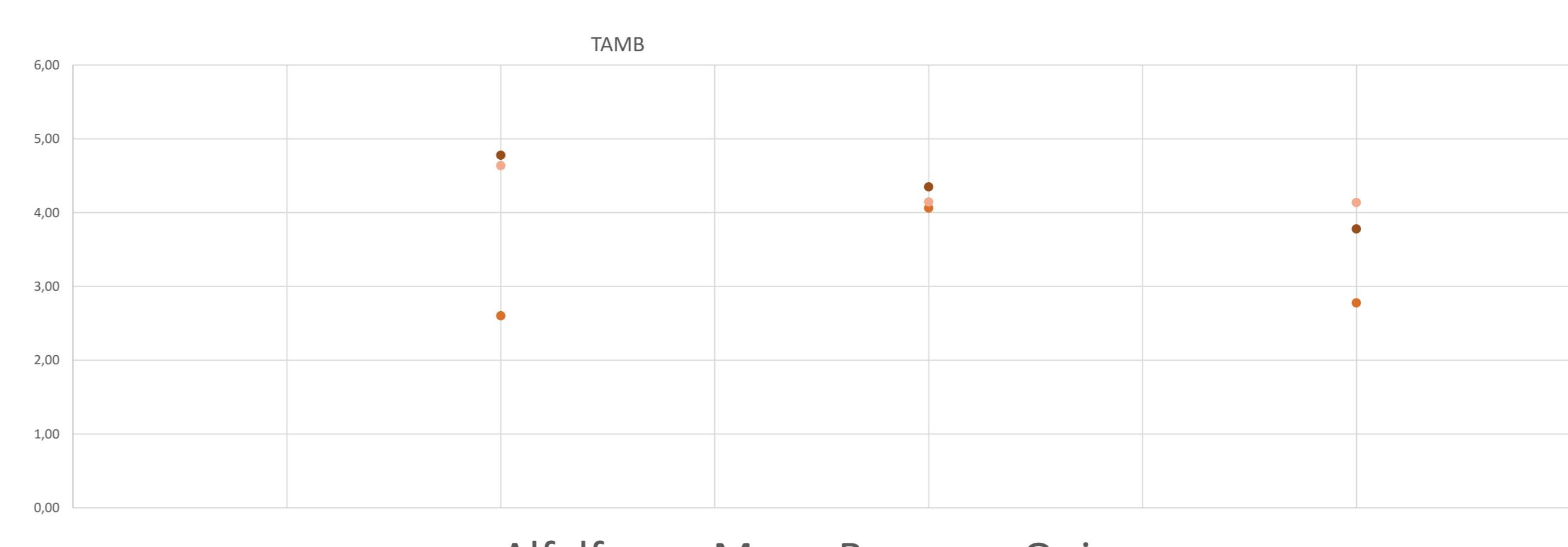


\emptyset

$R=4,06$

Mung bean ~ 5 mm
Quinoa $\sim 1,5$ mm
Alfalfa $\sim 1,5$ mm

- Germination problem
- Issue with soaking seeds time



CONCLUSIONS

- HPP has an effect in seeds.
- Germination is slower after HPP treatments. It takes up to 48 hours more to start germination.

- It seems that there are not differences between 200 MPa treatments and 450 MPa treatment.
- After HPP treatments TAMB decreases, therefore sprouts will be safer.