

**School of Physics & Astronomy**  
**Summer Placements**  
**Feedback Sheet**

**Student Name:** Tom Leyshon

**Project Title:** The Effects of pH and Ionic Strength on Protein Adsorption of Lysozyme and Bovine Serum Albumin to a Silicon Oxide Interface

**Feedback about the Report**

**1. Good points about the report:**

Good understanding of the scientific background underlying the adsorption research;

Good understanding of the technique and the related ones;

The physics underlying wet interfacial processes and impact on protein adsorption are nicely described;

Model simulation of surface adsorption is creative and the effort must be praised.

**2. Things that could be improved:**

Quite a bit of typos, e.g., in Abstract, Results and Discussion; also some sentences could be better put with clear meaning. Parameters or constants used in simulations were not well described.

**3. Overall assessment of the report:**

Given some minor errors and typos that could be improved via editing, I would like to rate the work and report as Excellent! The positive merit lies in combining experimental results and some basic model simulations based on the simple wet interface theories. Tom must be praised for the effort and enthusiasm.

**General Comments about the Placement**

(e.g. work ethic, punctuality, experimental skills, etc)

Highly enthusiastic and dedicated, showed keen interest in the topic;

Worked hard and highly dedicated in both lab work and model analysis;

Picked up new experimental skills very efficiently.

A potentially great PhD candidate and skilful researcher!

Overall assessment of the Placement (circle one):

**Poor    Acceptable    Good    ExcellentX**

**Signed:** Jian R Lu

**Date:** 13 Oct 2016