**Project 3 of BIO316 – Proteomics Data Analysis**

**Essay 1:** Given a set of proteins, briefly describe the steps for conducting GO annotation by Blast2GO. (20 points) Interpret the significance and potential application of GO annotation. (20 points) Use your own words (a maximum of 500 words).

**Essay 2:** Given a set of proteins, briefly describe the steps for conducting KEGG based pathway annotation by KOALA. (20 points) Interpret the significance and potential application of KEGG annotation. (20 points) Use your own words (a maximum of 500 words).

**Essay 3:** What type of biological insight can be gained from protein-protein interaction analysis? (20 points) Use your own words (a maximum of 500 words).