To: Marquette University Life Sciences Internship Program

Hello Kirsten,

Thank you for including Strong Microbials Inc in the 2016 fall internship open house in Marquette University. The internship description is as follows:

Goals: interns will be trained in microbiological methods (aseptic technique, serial dilutions, culturing bacteria) and entomology (honey bee anatomy, life cycle, rearing), in order to carry out experiments aimed to test honeybee gut colonization by different probiotic blends and Effect on lifespan.

1. Perform serial dilutions and plating of pure lactic acid bacteria cultures at known concentrations. Determine the concentrations and proper dilutions that yield 20-200 colonies per plate. Demonstrate proficiency, accuracy and reproducibility at plating technique.

2. Perform serial dilutions and plating of frozen bee samples (treated/control) and determine the concentrations of lactic acid bacteria. Preliminary results indicated a significant increase in lactic acid bacteria counts in the bee samples from DFM treated group compared to control group. During 10 week period, it should be possible for the worker to test 50 control and 50 treated samples.

3. Present the results of this analysis in a formal report or presentation.


The intern will work at Strong Microbials Inc for 8-10 hours per week. Please let me know if you have any questions or concerns.

Best wishes,

Slava Strogolov
CEO, Strong Microbials Inc