

Summary Report of Short-term Visitor Carolina Romo Gonzalez, July 27–August 1, 2014

My collaboration with postdoctoral fellow Clemente Aguilar consisted in developing a method to predict epitopes *in silico* from the bacterium *Helicobacter pylori*. This bioinformatics strategy will result in a research paper called Large-scale *in silico* epitope mapping of *Helicobacter pylori*. A second outcome of this research will be to synthesize the list of epitopes and evaluate them *in vitro* to measure their antigenic activity. We have been elaborated a protocol for this project and we have submitted a grant proposal to Consejo Nacional de Ciencia y Tecnologia (Conacyt), Mexico.

Participants at the meeting:

- Dr. Carolina Romo González. Laboratorio de Bacteriología Experimental. Instituto Nacional de Pediatría. México
- Dr. Clemente Aguilar Bonavides. Current: Postdoctoral Fellow, National Institute of Mathematical and Biological Synthesis (NIMBioS), University of Tennessee, Knoxville, TN