ARTHROPOD GENOMICS RESEARCH IN ARS WORKSHOP

Current Status, Needs, and Future Directions

George Washington Carver Center, 5601 Sunnyside Avenue, Beltsville Maryland 20705

September 17th - 19th 2014

Day I (September 17th 2014)

Session I: Visions for Arthropod Genomics Research in ARS

8:30-8:45 Dr. Steve Kappes, Deputy Administrator for Animal Production and Protection and Dr. Kay Simmons, Deputy Administrator for Plant Production and Protection Welcome and Introduction from Office of National Programs

8:45-9:00 DeWayne Shoemaker (Imported Fire Ant and Household Insects, Gainesville, FL) Introduction to Arthropod Genomics Workshop and Training

9:00-10:15 "Speed talks": Tell us your "elevator" stories!

10:15-10:45 Discussion and questions/Coffee Break

10:45-11:00 Kevin Hackett (ARS Senior National Program Leader, Crop Entomology) i5k and ARS Arthropod Genomics Research

11:00-11:20 Doreen Ware (Plant, Soil and Nutrition Research, Cold Spring Harbor, NY) Big Data Initiative

11:20-11:50 Jason Williams iPlant Collaborative

11:50-12:50 Lunch in cafeteria

12:50-1:10 Beto Perez De Leon (Tick and Biting Fly Research, Kerrville, TX) Veterinary Pests Genomics Center

1:10-1:30 Brad Coates (Corn Insects and Crops Genetics Research) ARS Virtual Arthropod Genomics Center

1:30-1:50 Monica Poelchau (ARS National Agricultural Library, Beltsville, MD) i5K workspace

1:50-2:00 Discussions and questions (logistics of break-out small group discussions)

2:00-3:00 **Small group discussions I: Defining projects, questions, goals and issues**

3:00-3:30 Coffee break

3:30-4:30 **Small group discussions IIA: Genomic data analyses: where, who, and how**

4:30-5:00   Synthesis/Reports from small group discussions: Closing remarks for the day

5:00-6:30   R&R

6:30-   Dinner at local restaurant

Day II (September 18th 2014)

8:00-8:15   Introductory remarks, summary of Day I, roadmap for Day II

8:15-9:15   **Small group discussions IIB: Genomic data analyses: where, who, and how**

9:15-9:45   Synthesis/Reports from small group discussions

9:45-10:15   Coffee break

10:15-11:15   **Small group discussions III: Issues, constraints, solutions and vision for the future**

11:15-11:45   Synthesis/Reports, assignments, future plans, white paper

11:45-12:00   Closing remarks

Session II: Bioinformatics Training

12:00-5:30   Introduction to iPlant
             (30 minute coffee break at 3:00)

Day III (September 19th 2014)

8:00-10:00   iPlant

10:00-10:30   Coffee break

10:30-12:00   iPlant/WebApollo

12:00-12:30   Synthesis of comments/Feedback from participants
             (e.g., follow-ups, how to leverage resources, what worked and what did not)

12:30   Closure