American Genetic Association 2014 Symposium
Evolution and Plasticity:
Adaptive responses by species to human-mediated changes to their ecosystems
Alder Commons, Brooklyn Ave. and 40th Street
University of Washington, Seattle http://www.theaga.org/sample-page/aga2014/

Saturday, 28 June

0800 Robin Waples (NOAA Fisheries, Seattle) *Introduction to the symposium*

Wilhelmine Key Lecture

0830 David Reznick (University of California, Riverside) *Hard and soft selection revisited: How evolution by natural selection works in the real world*

Case studies in responses to selection

0930 Sinéad Collins (University of Edinburgh) *Speed kills: adaptive evolution of slow growth in microbes*

1000 Break

1030 David Philipp (Illinois Natural History Survey) *Fisheries-induced evolution in largemouth bass - linking vulnerability to angling, parental care, and fitness*

1100 Tim Mousseau (University of South Carolina) *Evolution along a variably mutagenic landscape: Lessons from Fukushima and Chernobyl*

1130 Kelly Zamudio (Cornell University) *Ecological and evolutionary dynamics of the amphibian-killing fungus* (Batrachochytrium dendrobatidis) *and their frog hosts*

1200 Scott Baker (Oregon State University) *Presentation of the Steven J O'Brien award for best student-authored article in the* Journal of Heredity

1215 Lunch

Insights from theory and modeling

1330 Luis-Miguel Chevin (Université Montpellier) *Interactions of plastic, genetic, and demographic responses to environmental change*

1400 Jarle Tufto (Norwegian University of Science and Technology) *Coevolution of bet-hedging and reaction norm slope and elevation in temporally autocorrelated environments*

1430 Marissa Baskett (University of California, Davis) *Incorporating the interaction between evolution and plasticity into management decision-making: a question of time*

1500 Break

Plasticity: the good, the bad, and the ugly

1530 Cameron Ghalambor (Colorado State University) *Adaptive and non-adaptive plasticity in response to novel environments: Implications for rapid adaptation*

1600 Sonia Sultan (Wesleyan University) *Rapid evolution of plasticity in populations of an invasive plant: Implications for future adaptation*

1630 Ophélie Ronce (Université Montpellier) *Are plastic changes in tree phenology adaptive in the context of climate change? Insights from a mechanistic model*

Sunday, 29 June

Interactions of evolution and plasticity I

0800 Len Nunney (University of California, Riverside) *Adapting to a changing environment: modeling the interaction of directional evolution and plasticity*

0830 Morgan Kelly (Louisiana State University) *Mechanistic overlap between plastic and evolved responses to heat stress: implications for adaptive responses to climate change*

0900 Erika Eliason (University of British Columbia) *Physiological local adaptation in populations of sockeye salmon: implications for coping with climate change*

0930 Craig Primmer (University of Turku, Finland) *Does molecular pleiotropy constrain evolution, plasticity or both? A proteomic perspective in a salmonid fish metapopulation*

1000 Break

Epigenetics

1030 Melinda Baerwald (University of California, Davis) *Epigenetic modifications are associated with propensity to migrate in rainbow trout*

Special presentation on epigenetics and evolution

1100 Michael Skinner (Washington State University) *Epigenetic transgenerational inheritance of phenotypic variation in evolution: Lessons from Darwin's finches*

1200 Lunch

1215 * Brown-bag discussion, "What should conservation biologists and evolutionary biologists know about epigenetics?" [Moderated by Katie Peichel, Fred Hutchinson Cancer Research Center, Seattle] [Alder 107]

Interactions of evolution and plasticity II

1400 Lisa Crozier (NOAA Fisheries, Seattle) *Selection and plasticity in fish due to decadal oscillations nested within long-term climate change*

1430 Fred Janzen (Iowa State University) *Climate change and temperature-dependent sex determination in turtles*

1500 Matt Hare (Cornell University) *Reef-specific patterns of osmotic response in larval and adult oysters,* Crassostrea virginica*, from a single estuary*

What does it all mean?

1530 Andrew Hendry (McGill University) *Where are we now? An attempted synthesis and wrap-up*

*Seating is limited so sign up in advance. Box lunches can be arranged.

Friday and Saturday evenings, 1830-2130: hosted receptions and poster sessions

X = Alder Hall, site of Symposium, receptions, and dorms. Enter dorms from the N on Campus Parkway; enter meeting from the S on 40th

Y = Lander Hall, where you check in for the dorms