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