

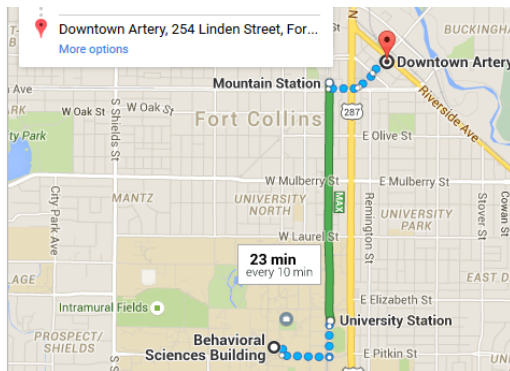
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Directions to Downtown Artery: Downtown Artery is accessible by MAX. The nearest MAX station to the Behavioral Science Building is located at University Drive and S. Mason St.



# Genomics of Adaptation to Human Contexts

Workshop and Symposium

Hosted by Colorado State University

Sponsored by



Genetics Society of America

[Adapt2humans.wordpress.com](http://Adapt2humans.wordpress.com)

#adapt2humans

Organizers:

Kathryn Turner, Brook Moyers, Chris Schell

## SCHEDULE

### Thursday & Friday, July 28 – 29, Workshop

9 am – 5 pm Software Carpentry Workshop. Plant Science Building E008. Instructors: Daisie I. Huang, Scott Chamberlain. Helpers: Brook Moyers, Kathryn Turner, Grey Monroe. Registration required.

### Saturday, July 30, Symposium

Behavioral Sciences A101, 410 W. Pitkin St.

9:30 Introductory remarks: Kathryn Turner

#### *Domestication Section:*

9:35 Brook Moyers. *Genomic approaches to accelerated crop breeding.*

9:50 Stephen Pearce. *Using genomics to decipher the impacts of historic selections in wheat breeding.*

10:05 Brian Campbell. *Genomic variation in industrial hemp and drug-type Cannabis sativa.*

10:20 Justin Havird. *Selection on the mitochondrial and nuclear genomes during domestication.*

10:35 Coffee break, featuring posters by Amanda Stahlke and Julia Kreiner

11:00 Keynote speaker: John McKay. *Adaptation to Climate, Genotype by Environment Interaction and Crop Breeding.*

12:00 Lunch break

#### *Invasion Section:*

1:15 Kathryn Turner. *Population admixture between wild and introduced Texas bluebonnet.* @KTIInvasion

1:30 Franz Lichtner. *Sudden Oak Death: human adaptation or evolution, a genomic inquisition.* @franzlichtner

1:45 Eric Patterson. *Human selection on the genome of the invasive agronomic weed, Kochia scoparia.*

2:00 Keynote speaker: Regina Baucom. *Human-mediated selection in the agro-ecosystem: The evolution and genetics of herbicide resistance in an agricultural weed.*

3:00 Coffee break

#### *Urban Adaptation Section:*

3:15 Chris Schell. *Epigenetic Expansion: Conceptualizing Coyote Plasticity as a Consequence of Parental Programming.*

3:30 Amruta Varudkar. *Gut microflora of two rats: Commensal R. rattus, non-commensal R. satarae.*

3:45 Sierra Love Stowell. *Rescue genomics of greenback cutthroat trout.*

4:00 Keynote speaker: Robert Wayne. *Molecular adaptation of wild and domestic canids to anthropogenic landscapes.*

5:00 Closing remarks: Kathryn Turner

6:00 - 8:00 Reception at Downtown Artery, 254 Linden St. Refreshments provided by **ThermoFisher** and Fort Collins Craft Beer Cellar.