Program
• Please have your talk ready on transportable media, preferably a flash drive. In the break prior to your talk, Anthony Clemento will assist in copying your talk to the appropriate computer.
• Poster setup will occur on Saturday morning before the first talks.
• Due to cancellations we will start at 9:20 and finish at 3:40 on Saturday.

**Thursday June 22**

6:00-9:00pm OPENING RECEPTION (NMFS)

**Friday June 23**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>9:00-9:10 am</td>
<td>INTRODUCTION</td>
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<tr>
<td>9:10 - 9:30 am</td>
<td>“An overview of salmonid genetics work at the Southwest Fisheries Science Center” JC Garza</td>
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<td>9:30 - 9:50 am</td>
<td>“Beyond Bonferroni: less conservative analyses for conservation genetics” SR Narum</td>
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<tr>
<td>9:50- 10:10 am</td>
<td>“SNPs and the identification of salmon” EC Anderson</td>
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<tr>
<td>10:10 - 10:30 am</td>
<td>“Comparisons of $F_{ST}$ and $Q_{ST}$ in populations of coho salmon” E McClelland &amp; K Naish</td>
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<tr>
<td>10:30 - 11:00 am</td>
<td>BREAK</td>
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<tr>
<td>11:00 - 11:20 am</td>
<td>“Review of changes to the WDFW Molecular Genetics Laboratory, and exciting new developments with SNPs” K Warheit</td>
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<td>11:20 - 11:40 am</td>
<td>“SNPs and hybridization: development, application, and long-term monitoring” MR Stephens, NW Clipperton, AJ Finger &amp; BP May</td>
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<tr>
<td>11:40 - 12:00 pm</td>
<td>“SNPs provide high resolution, high throughput genotyping for stock identification” J Seeb, C Smith, C Habicht, C Elfstrom, B Templin &amp; L Seeb</td>
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<tr>
<td>12:00 - 1:00 pm</td>
<td>LUNCH</td>
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<td>1:00 - 1:20 pm</td>
<td>“Hybridization between spring-run and fall-run Chinook salmon returning to the Trinity river hatchery” AP Kinziger, EJ Loudenslager, DG Hankin, JC Garza &amp; EC Anderson</td>
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<td>1:20 - 1:40 pm</td>
<td>“Chromosomal rearrangements in apparent sex-reversed Fall Chinook salmon in California” KS Williamson, R Phillips &amp; B May</td>
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<td>1:40 - 2:00 pm</td>
<td>“It’s up to the girls. Or is it? Genetic analysis of maternal and parental contributions to early development in Chinook salmon” K Naish, N Hurtado, &amp; J Hard</td>
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<tr>
<td>2:00 - 2:20 pm</td>
<td>BREAK</td>
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2:20 - 2:40 pm
“Parentage analysis reveals successful reproduction of adult hatchery-origin Chinook salmon outplanted into Shitike Creek, OR.” J Baumsteiger, D Hand, D Olson, B Spateholts, G Fitzgerald, & W Ardren

2:40 - 3:00pm
“Relative reproductive success of wild and hatchery steelhead in the Hood River: evaluation of a supplementation program” H Araki, B Ardren, E Olsen, B Cooper & M Blouin

3:00 - 3:20pm
“What risk do steelhead hatcheries pose to wild populations? Evaluating the potential for hatchery-wild interaction at a Washington State segregated hatchery” M Dauer, T Seamons, L Hauser, T Quinn & K Naish

3:20 - 3:40pm
“An empirical verification of population assignment methods by marking and parentage data: hatchery and wild steelhead (Oncorhynchus mykiss) in Forks Creek, Washington, USA.” L Hauser, TR Seamons, M Dauer, KA Naish & TP Quinn

3:40 - 4:00 pm
BREAK

4:00 - 5:00 pm
PLENARY TALK (La Feliz Room)
“Consortium of Genomic Research on all Salmon Project (cGRASP)” B Koop

Dinner – On your own, but if you want we have a 25% discount and $2 draft beers at the Coastline Brewery. Located at 120 Union Avenue in downtown Santa Cruz.
CONTRIBUTED TALKS (La Feliz Room)


9:40 - 10:00 am  “Assessing origin of mid-run fish in Rogue River, Oregon, a disturbed ecosystem” R Bellinger, T Satterthwait & MA Banks

10:00 - 10:20 am  “Characterization and conservation of threatened summer run and winter run steelhead (*Oncorhynchus mykiss*) ecotypes in the Hood River, Oregon: implementing genetic based broodstock assignments” A Matala, R French, E Olsen & W Ardren

10:20 - 10:40 am  BREAK

10:40 - 11:00 am  “Population structure and ancestry of *O. mykiss* populations in South-Central California based on genetic analysis of microsatellite data” A Clemento, E Anderson, D Boughton, D Girman & JC Garza

11:00 - 11:20 am  “Fine-scale rainbow trout population structure in the Spokane drainage in relation to barriers and hatchery stocking” MP Small, J McLellan, J Loxterman, J Von Bargen, B Frye & C Bowman

11:20 - 11:40 am  “Genetic and life history variation in *Oncorhynchus mykiss* from Kamchatka” M McPhee, J Stanford, K Kuzishchin & F Allendorf

11:40 - 12:00 pm  “Concordance of nuclear and mitochondrial DNA markers in detecting a founder event in Lake Clark sockeye salmon” KM Ramstad, CA Woody, C Habicht, GK Sage, JE Seeb & FW Allendorf

12:00 - 1:30 pm  LUNCH

1:30 - 1:50 pm  “Genetic differentiation among California Central Valley Chinook: comparisons between temporally isolated runs inhabiting the same drainage” SM Blankenship, C Lemaire & JC Garza.

1:50 - 2:10 pm  “Assessing marker informativeness in Western Alaska Chinook salmon populations” B Templin

2:10 - 2:30 pm  “Impacts of ascertainment bias and natural selection on the inference of Chinook salmon population structure.” C Smith, A Antonovich, L Seeb
2:30 - 3:00 pm  BREAK

3:00 - 3:20pm  “Genetic analyses provide insight into the early ocean stock distribution and survival of juvenile coho salmon (*Oncorhynchus kisutch*) off the coasts of Washington and Oregon” DM. Van Doornik, DJ. Teel, DR Kuligowski, CA Morgan & E Casillas


3:40 - 6:00 pm  POSTER SESSION (La Feliz Room)

6:00pm  BANQUET (La Feliz Room)
Posters

“Different yet the same: adaptive versus genetic divergence in sockeye salmon”
J Lin, E Ziegler, T Quinn & L Hauser

“Effective population size and genetic compensation between life-history forms of Onkorhynchus mykiss in the Hood River”
H. Araki, RS Waples, WR Ardren, EA Olsen, B Cooper & MS Blouin

“Genetic identification of spring- and fall-run Chinook salmon in the Upper Willamette River”
D Teel, T Lundrigan, K Kenaston, K Schroeder & P Moran

“Is relatively low genetic variation of steelhead populations in a Snake River sub-basin correlated to hatchery broodstock releases?”
M Paquin, J Myers, H Pollard, R Carmichael, S Boe, D Campton, J Hesse, J Ruzycki, M Schuck, T Whitesel & P Moran

“SNP Discovery: Process, Effort and Yield”
Elz, A et al.

“TBA”
Baird, et al.

“Update of the rainbow trout map of type I markers and comparison with the zebrafish map” RB Phillips, JJ DeKoning, AB Ventura, KA Keatley, KM Nichols, RE Drew & GH Thorgaard

“Over the falls?: Genetic interactions between resident and anadromous rainbow trout (Onkorhynchus mykiss) in Scott Creek, CA”
D Pearse, S Hayes, E Anderson, M Bond, C Hansen, & C Garza

“Measuring microsatellite mutation rate in steelhead trout from the San Lorenzo River”
A Martinez et al.

“A rapid and ethanol-free fish tissue collection method”
E LaHood, J Miller, C Apland, & MJ Ford

“Allozymes revisited: New uses for old markers”
A Aguilar & JC Garza
Attendees

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