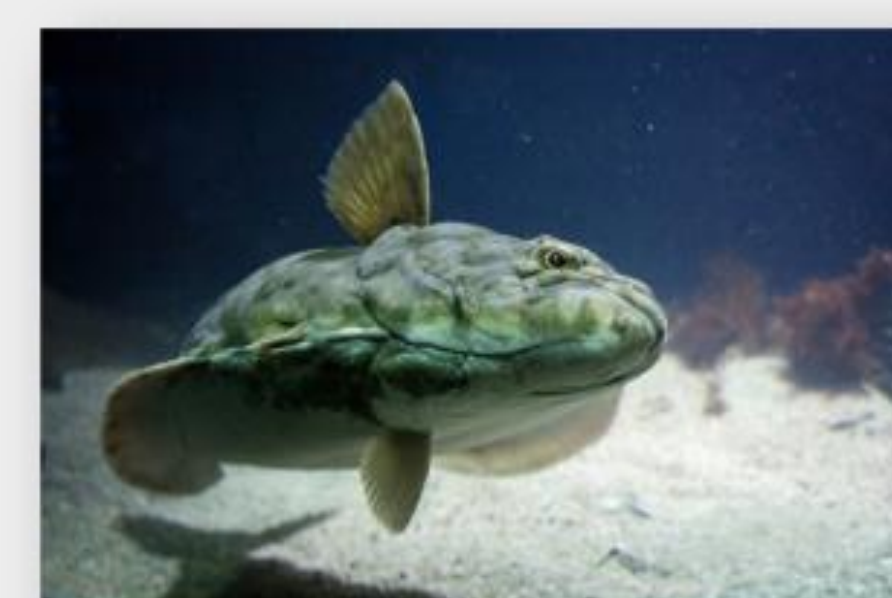




INTERNATIONAL PACIFIC
HALIBUT COMMISSION



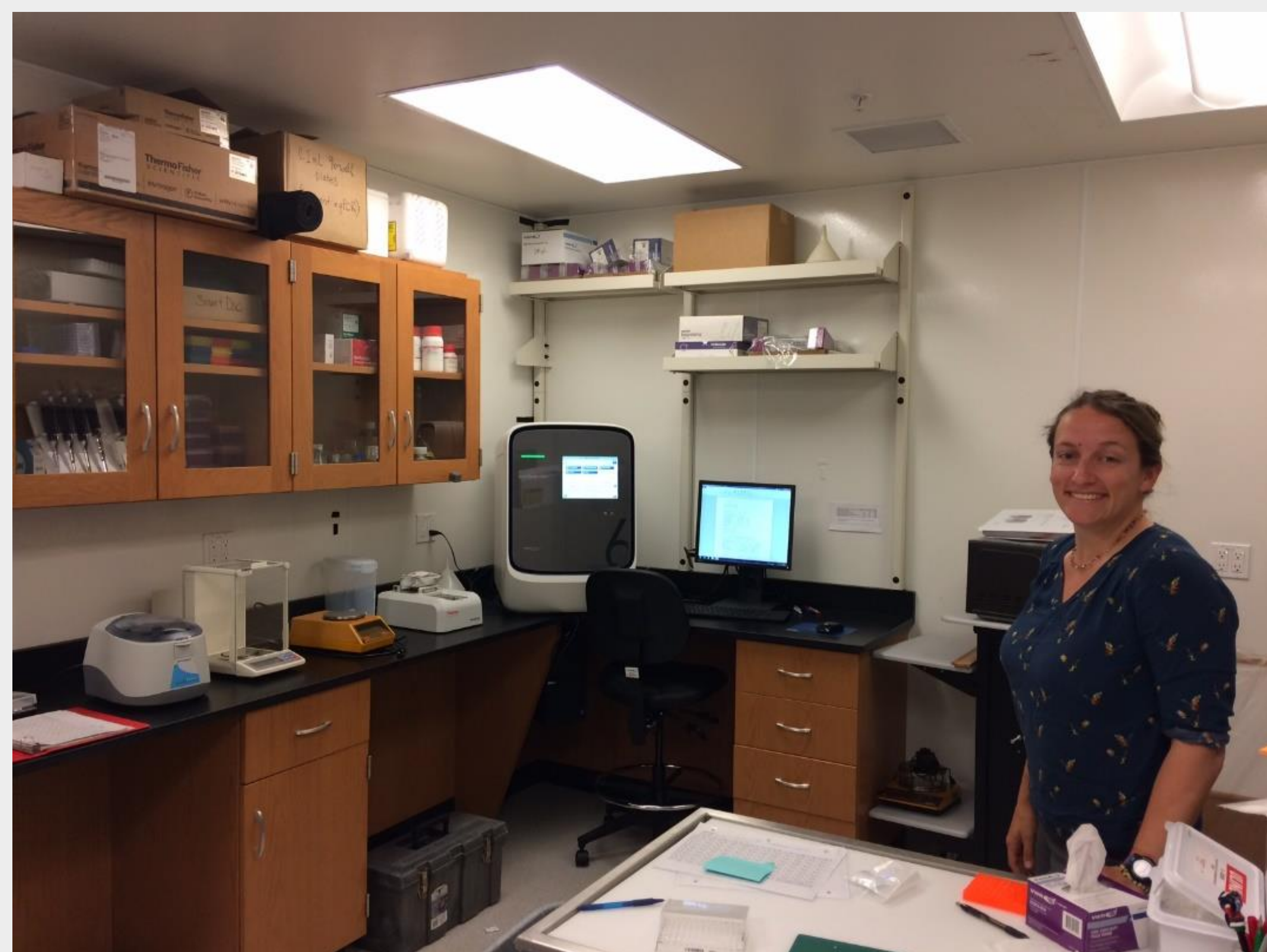
Biological and Ecosystem Science Branch

Establishment of the biological laboratory at IPHC

The biological laboratory at IPHC, newly-established in 2018, allows us to conduct research in-house to support and expand the research activities and outcomes delineated in the 5-year research plan of the Biological and Ecosystem Science Branch

Current research capabilities in the biological laboratory at IPHC:

- ❖ Nucleic acid extraction and quantification
 - ❖ Genotyping (TaqMan)
 - ❖ Gene expression (qPCR)
 - ❖ Blood metabolite and hormone determinations
 - ❖ Staff and student training
- } → Population genetics / Migration
 Sex ratios
 → Growth / Reproduction
 → Discard survival / Reproduction



• Laboratory technician:

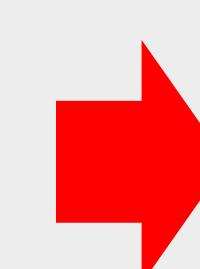
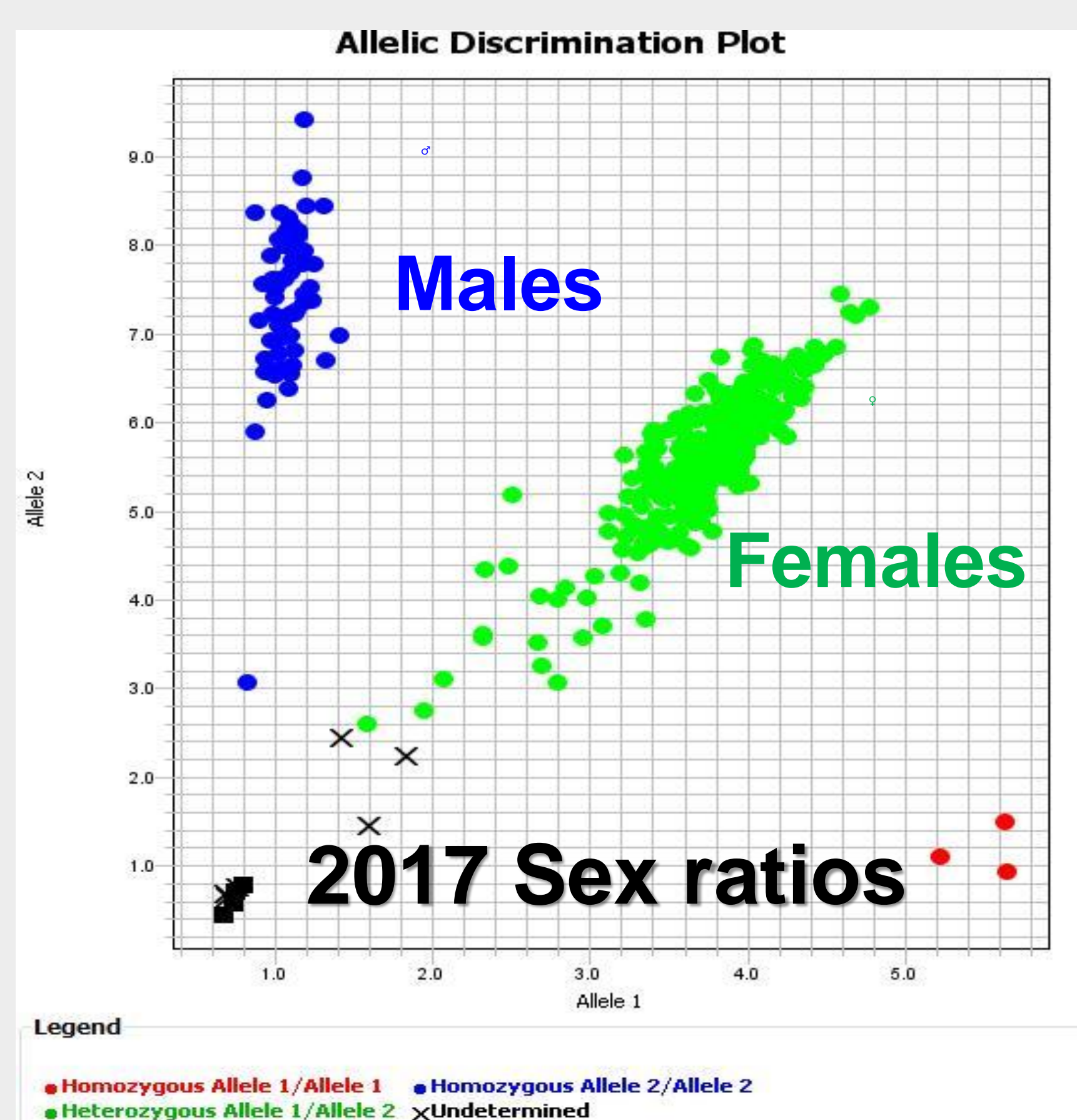
Anna Simeon
(full time; 2 yr appointment;
salary co-funded by NPRB grant)

• Laboratory equipment:

- PCR machine (QuantStudio 6)
- Spectrophotometer (Nanodrop 8000)
- Microplate reader (AccuSkan FC)

First research output to be used in Pacific halibut management:

**Sex ratios of the
2017 aged
commercial landings
by genotyping**



**2019 Stock
assessment**