



Algae and Shellfish Hatchery/Research Technician

Pacific Hybreed, Inc. (www.pacifichybreed.com) is revolutionizing shellfish aquaculture through an innovative genetic breeding program. By integrating genetic research with environmental field data, we increase yield and resilience of Pacific oysters and Manila clams against the challenges of climate change and emerging diseases.

Pacific Hybreed operates hatcheries at NOAA Manchester Research Station in Port Orchard, WA and the Natural Energy Laboratory of Hawaiian Authority (NELHA) in Kona, HI. We are seeking a technician to fill a critical position responsible for hatchery operations and projects focused on microalgae and shellfish breeding and production.

Compensation and Benefits:

- \$22-\$25/h
- Benefits include medical, dental, and vision
- Paid time off is accrued at 2 hours per 40 hours worked; equals 13 days annually based on average of 40 hours per week
- Position requires some evening and weekend shifts

Job Description:

Performance of day-to-day operations including:

- Upkeep of filtration and water delivery systems.
- Transfer and sterile inoculation of multiple microalgal species from scale of agar plates to carboys and larger systems; record keeping using particle-counter.
- Husbandry of shellfish (larval and seed stages): water changes, feeding, size-grading, microscopy imaging and counting.
- Assistance in experimental research: measurements of survival and growth of species and organized detailed record-keeping in spreadsheets, drives, and ImageJ.
- Routine maintenance of chemical solutions following standard operating procedures.
- Basic plumbing, screen-making, and pvc projects.
- Maintain daily and long-term records of temperature, pH, chlorophyll.

Preferred Qualifications:

- Experience with algal or larval culturing, or microbiology.
- Experience maintaining sterile cultures: proper use of flame, ethanol, bleach, and acid cleaning techniques.
- Basic skills and safety with tools, chemicals, plumbing, electricity, and construction.
- Confidence with arithmetic and Microsoft Excel.
- Able to lift 50lbs, repeatedly at times.
- Work independently and proactively.
- Strong communication, time management, and organizational skills.
- Troubleshooting and on-the-spot problem solving.
- Interest to learn scientific and technical info relevant to shellfish breeding and genetics.