

IEH Undergraduate Intern Mentoring Opportunity

Deadline: **March 17th, 2015**

Name/Title/Institution(s) of senior mentor(s): Jon Waterhouse

Name/Title/Institution(s) of frontline mentor(s): Katie Morrice, PhD student, OHSU

Project Title: Our Global Estuary Outreach and Indigenous Network Engagement

Context for Project:

Intern will spend time learning about Our Global Estuary and Indigenous Network and will work to foster new partnerships between Our Global Estuary and indigenous groups.

Proposed Outcomes/Broader Impact:

Intern will help develop outreach materials to increase awareness about Our Global Estuary and Indigenous Network. Student will participate in outreach events with local Tribal K-12 groups (e.g. Warm Springs). Intern will support efforts to collaborate with Native People and identify potential research collaborations that support the use of indigenous knowledge in scientific research to support policy and management.

Proposed timeline (within a 10 week span):

Week 1: Familiarization with Our Global Estuary and Indigenous Network

Week 2: Literature review of relevant topics on estuarine science (e.g., climate change, estuarine biogeochemistry) and learning about instruments and parameters useful to studying anthropogenic stressors and climate change effects on estuaries.

Week 3: Introduction to regional and global estuarine policy and management, meetings with external groups (e.g., Ecotrust, Tribal scientific divisions)

Week 4 – 5: Identify indigenous group of interest to the student, their needs, and potential collaborations with scientific agencies, NGOs, etc.

Week 6 – 8: Develop outreach material regarding Native People involvement in scientific efforts to support sustainable estuaries. Help to support potential collaborations with Our Global Estuary and Indigenous Network. This material could also be used to support a future web portal to engage indigenous groups.

Week 8 – 9: Organization of material and outreach to K-12 students. This includes students on reservations and students in local Portland school districts.

Week 10: Intern will generate report or poster regarding role of indigenous groups in knowledge transfer for groups such as Our Global Estuary. .

Intern academic experience and skill set should include:

Students should have a background in biology, oceanography, and/or environmental science. Student should also have an interest in environmental policy and management and supporting indigenous group involvement in scientific research.