**FALL 2014 SEP CAPSTONE FESTIVAL**

**Science & Environmental Policy**

**FRIDAY, DECEMBER 19th**

**9 A.M. - 1:30 P.M.**

**University Center Living Room**

**ORAL PRESENTATIONS**

**9:00 - 9:05 ~ Welcome**

* **Dr. Doug Smith**, Chair, Division of Science and Environmental Policy

**9:05 - 10:15 ~ Environmental Studies**

* **Connecting Students to Local and Sustainable Food**

Gerardo Marenco ~ Community Partner: The Real Food Challenge and Sodexo

* **Native Plant Garden Kits**

Hayley Reitman ~ Community Partner: Return of the Natives Restoration Education Project (RON)

* **“What’s the Big Deal?” Wrap-up Activity**

Charles Shane ~ Community Partner: RON

* **A Brighter Future for Locke-Paddon Park**

Patrick Holub ~ Community Partner: RON

* **Monitoring and Interpreting Native Plant Survivability**

Grant Smith ~ Community Partner: RON

* **Creating and Implementing a Thematic Hike**

Alyssa Youngerman ~ Community Partner: Monterey Peninsula Regional Park District

* **Everyone’s Harvest Grant Proposal and Presentation to Community Leaders of Monterey County**

Laura Szykowny ~ Community Partner: Everyone’s Harvest

* **Reduce, Reuse, Recycle**

Stephanie Sheley ~ Community Partner: Everyone’s Harvest

* **The Recovery of a Community Garden**

Dani Banionis ~ Community Partner: Pueblo del Mar Family Recovery Community

* **Little Lupines: The Growing Place -- Creating a Children’s Garden at the WIld Lupine Community Garden**

Katie Hart ~ Community Partner: Communities for Sustainable Monterey County

**10:15 - 11:20 ~ Marine Science**

* **Habitat associations of demersal fishes around San Clemente Island: results from a 2012 ROV-based assessment**

Culbertson, A., Esswein, A., Graham, E., Haydock, M., Horner, K., Jung, J., Kent, N., Lambert, E., Larwood, V., Morrow, P., Murray, L. Thurston, S. ~ Advisor: James Lindholm (20 mins)

* **Changes in salt marsh elevations in Elkhorn Slough, California indicated by *Salicornia spp.***

Casills, E., Fredle, M., Liedtke, C., Machuca, B., Padilla, A., Takata, M. ~ Advisor: Rikk Kvitek (15 mins)

* **Are Sea Stars Wasting Away?  The Presence of Sea Star Wasting Disease in the Subtidal off the Monterey Peninsula**

Amelia Cavagnaro, Margaret Astorga, Elizabeth Ramsay, Tyler Burns, Erika Nava,

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**11:30 - 12:30 ~ Biology**

* **Identification of Microbial Communities on Sea Stars with Wasting Syndrome.**

Andrea Valdez~ Advisor(s): Gretchen Hofmann (research), Aparna  Sreenivasan (capstone)

* **Production and Characterization of a Novel Protease from the Marine Microbe *Erythrobacter sp. NAP1***

Somair Taj ~ Advisor(s): Arlene Haffa (research), Aparna Sreenivasan (capstone)

* **Rockweed: Limpet Paradise?**

Elizabeth Ramsey ~ Advisor(s): Mike Graham (research), Aparna Sreenivasan (capstone)

**POSTER SESSION**

**12:30 - 1:40**

**Biology**

* **Ocean acidification effects on juvenile copper rockfish (*Sebastes caurinus*) gene expression.** Julie Estrella, Breanne Hansen, and Bradley Kovach. Advisor: Cheryl Logan
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Somair Taj, Matthew Tran, Brian Schultz, and Arlene Haffa ~ Advisor(s): Arlene Haffa (research), Aparna Sreenivasan (capstone)

* **Microbial Ecology Study at the Molera Treatment Wetland**

Sotele Briggs and Stella Flores ~ Advisor: Arlene Haffa

* **Rockweed: Limpet Paradise?**

Elizabeth Ramsey, S. Worden, M. Graham ~ Advisor(s): Mike Graham/MLML (research), Aparna Sreenivasan (capstone)

* **The dependency of a wrentits on a dwindling coastal California habitat**

Cris Eljenholm & Erin Coffey ~ Advisor(s): Fred Watson

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