

International Symposium on Science, Sustainability and Teaching

Illinois College
Jacksonville, Illinois

March 18 & 19, 2016

Welcome to the second International Symposium on Science, Sustainability and Teaching at Illinois College!

This Symposium is made possible by an Implementation Grant from the Henry Luce Foundation's Luce Initiative on A sian Studies and the Environment (LIASE). We are grateful for the Luce Foundation's support of our growing connections between A sian studies and the sciences at Illinois College

Wewould also like to thank our partner institutions in Japan: Ritsumekan University and Kanazawa University.

Wehopeyou find the Symposium stimulating and engaging and encourage you to explore some of the other activities listed in the back of this program.

Laura Corey

A stociate Professor of Biology, Illinois College Coordinator, Forging New Collaborations on Environment and Sustainability Grant







Schedule - Friday, March 18

4:00 p.m. Panel discussion: Incorporating Asian
Environmental Studies Issues into the
Science Classroom - Parker Science Hall 106.
Pat Kiihne, Mathematics, Laura Corey, Bidogy,
Jason Price, Environmental Studies,
Elizabeth Rellinger-Zettler, Psychology

5:00 p.m. Opening reception and Poster Session – Parker Science Hall Rotunda

6:00 p.m. Banquet - Cummings Dining Hall

Coffee, tea, and dessert will be available outside Kirby Learning Center Room 006, beginning at 7 p.m.

7:30 p.m. Welcome – Dr. Adam Porter, Dean of the Faculty, Illinois College

Dr. Mikio Nishizawa, Professor of Biomedical Sciences, College of Life Sciences, Ritsumeikan University.

Post-transcriptional regulation of inducible genes by natural antisense

Poster Presentations - Friday, March 18 Parker Science Hall Rotunda

Illinois College Summer 2016 Group Research Trip to Japan - Student Projects

Faculty Mentors Micko Webster and Kevin Klein

The Energy Life Cycle of Food Production and Consumption - Rachel Buente

The Economic and Environmental Implications of Fukushima Daiichi Nuclear Disaster. Vidoria Wynecop, Julia Mendez, and Tuan Le Ahn

Unconventional Gas Extraction in Japan. Kristen Wiley

Green Transportation: Bicycles in Japan. Dayana V azquez Buquer

Decreasing the Populations of Nonindigenous Species in Lake Biwa, Japan. Jll Friedrich

The impact of human activity on Lake Biwa and the need for water management. Sam Welbourne

These students and their faculty mentors will travel to Japan this summer to carry out their research projects.

Poster Presentations - Friday, March 18

Parker Science Hall Rotunda

Identification of orchid mycorrhizal fungi from Madagascar
Kaz Yokoya⁷, Lawrence W Zettler², Jonathan P Kendon¹,
Martin I Bidartondo, ³¹, A notrew L Stice², **Shannon Skarha**², Laura L Corey², A udrey C Knight², V iswambharan Sarasan¹
¹Royal Botanic Gardens, Kew, United Kingdom

Schedule - Saturday, March 19

Coffee, tea, fruit, and baked goods will be available outside Kirby Learning Center Room 006 beginning at 8:30 a.m.

9:00 a.m. Dr. Andy Moore, Associate Professor of Geology and Associate Academic Dean, Earlham College.

How often dotsunamishappen? Establishing a tsunami history using the geological record - Kirby Learning Center Room 006 - CONVO

10:00 a.m. Student Presentations - Kirby Learning Center Room 006

Ms. Ai Aoki, Kanazawa University. Some Observations in Phnom Kulen National Park in Cambodia - An Environmental and Cultural Sanctuary in the Angkor World Heritagesite

Ms. Airi Fujii, Ritsmeikan University. The effects of the herbal medicine Captis Rhizomeon the expression of inducible nitric oxide synthese in interleukin 1 beta-treated hepatocytes 11:00 a.m. Dr. Shinji Tsukawaki, Professor of Sedimentary Geology, Institute of Nature and Environmental Technology, Kanazawa University.

> An Environmental Crisis in the Angkor World Heritage of Cambodia – A Complex of Natural Environment, Cultural Heritage and Local Society. Kirby Learning Center Room 006 – CONVO

Schedule - Saturday, March 19, Continued

2:30 p.m. **Dr. Larry Zettler**, Professor of Biology, Illinois College.

The Illinois College Ordrid Recovery Program: a model for international research collaboration with undergraduate students. Kirby Learning Center Room 006.

3:15 p.m. Discussion: Establishing Effective International Undergraduate Research Programs. Kirby 110.

> Steven Gardner, Modern Languages – Spanish Larry Zettler, Bidogy Laura Corey, Bidogy

4:00 p.m. Symposium doses.

Please recycle your name badge!

A syou leave, please hangyour name badge on the easel outside Kirby Learning Center Room 006.

Views of Japan Trip in May 2017

Forging New Collaborations on Environment and Sustainability Grant Activities 2015-2018

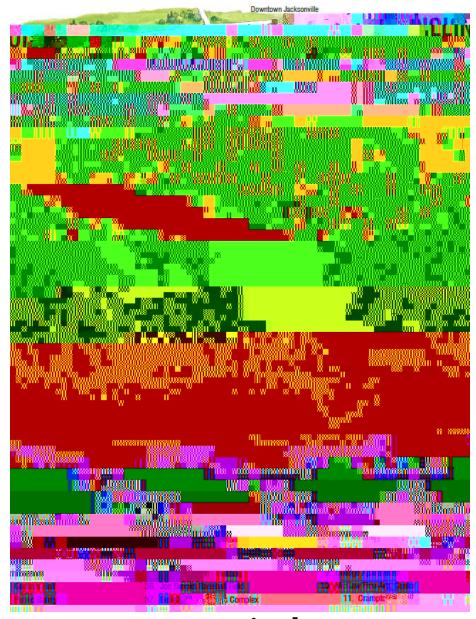
Research experiences for students:

- Group Research Trip with faculty three-week trips, Summer 2016 & 2018
- Research Abroad Program ten-week individual research experience – Summers 2016, 2017, and 2018
- Support for partnership between Illinois
 College Japanese-fluent faculty and
 science faculty to supervise student
 research in Japanese

Language-intensive summer internships (Summer 2017 & 2018)
Faculty travel to partner institutions
Curriculum Development Accountability
Group: Summer 2015 & 2017
International Symposia on Science,
Sustainability, and Teaching: March 2016 &

2018

Language and cultural learning for Illinois
College faculty and staff
Graduate Internships – Ritsumeikan University
graduate students visit Illinois College in
August and September



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