

Call for Poster Abstracts

2nd International Enzymes in the Environment RCN Workshop
Incorporating Enzymes and Microbial Physiology into Biogeochemical Models
Colorado State University
Fort Collins, Colorado, May 15-18, 2012

Call Open: December 14, 2010 - February 3, 2012

We invite submission of abstracts for contributed poster presentations at the 2nd International Enzymes in the Environment RCN Workshop. The workshop will be held May 15-18, 2012 on the campus of Colorado State University in Fort Collins, Colorado. Abstracts should be related to the incorporation of enzymes and microbial physiology into biogeochemical models, although abstracts do not necessarily need to report on modeling activities per se. We encourage submissions pertaining to any terrestrial or aquatic ecosystem, or model systems.

Workshop Goals

Although enzymes are widely recognized as the proximate drivers of decomposition and degradation in terrestrial and aquatic environments, they have not historically been explicitly incorporated into models. However, pioneering efforts have clearly demonstrated that this approach can improve model performance under some conditions and can potentially transform the next generation of ecosystem models and influence the structure of larger scale models. Parallel to the development of enzyme and microbial explicit models, there have been rapid advances in our fundamental understanding of the ecology of enzymes and microbial physiology that can help inform the structure of models and to parameterize them. Clearly, there is an opportunity to advance the field through a synthesis of current knowledge and review of the lessons learned through recent modeling activities.

The workshop will consist of invited talks, posters, and breakout sessions to discuss a variety of topics, including the various types of mechanistic enzyme models already in existence, approaches to incorporate enzymes into biogeochemical models, scaling issues, and recent advancements in fundamental knowledge. We are planning pre-meeting surveys and possibly a common modeling exercise to maximize the productivity of the meeting. Workshop outcomes will include one or more synthesis manuscripts, and we hope to spur new collaborations and proposals.

Poster Guidelines

- Poster sessions will be held Wednesday May 16th and Thursday May 17th. Posters will be on display for the full day, with authors presenting for a scheduled 2 hour period (4:30-6:30 PM).
- The maximum dimensions for each poster is **1.2 m wide x 1.2 m tall (4 ft. wide x 4 ft. tall)**. (Note: pushpins will be supplied to attach posters to display board).
- Poster presenters are welcome to bring handouts associated with their presentation.

Abstract Submission

To download the poster abstract registration form, copy and paste the link below into your web browser's address bar:

http://enzymes.nrel.colostate.edu/images/workshops/RCNworkshop_2012/Call_for_Abstracts_2012/abstractsubmissionform_rcnworkshop2012.pdf. Save form as: 'last name_RCNWorkshop_Abstract'.

Email the completed registration form to Colin Bell (colin.bell@colostate.edu) by February 3, 2012.

Registration Fees

Good news for all presenters... there is no registration fee! Workshop expenses will be covered by the RCN funding from the National Science Foundation. Poster presenters are responsible for their travel and lodging. However, we have made arrangements with the Best Western and Hilton hotels located within close-walking distance to Colorado State University for discounted rates.

Confirmed featured participants

(Organized alphabetically by last name)

Carol Arnosti (University North Carolina), Colin Averill (University of Texas), Klaus Butterbach-Bahl (Karlsruhe Institute of Technology), Eric Davidson (The Woods Hole Research Center), Steve Del Grosso (USDA-ARS), Adrien Finzi (Boston University), Tina Kaiser (Institute for Applied System Analysis, Laxenburg, Austria), Ellen Kandeler (University of Hohenheim, Germany), John Moore (Colorado State University), Daryl Moorhead (University of Toledo), Josh Schimel (UCSB), Seeta Sistla (UCSB), Kathe Todd-Brown (UC Irvine), Mike Weintraub (University of Toledo)

Tentative schedule

Day	Time	Activity
Tuesday		
Afternoon	2 to 6 pm	Welcome session with Keynote Talks
Evening	6 to 10 pm	Opening Banquet Dinner and (El Monte Mexican Grill)
Wednesday		
Morning	8:30 to noon*	Session 1: Enzymes in biogeochemical models: challenges and knowledge gaps (<i>speakers and presentation titles tba</i>)
	Noon to 1:30	Lunch and informal discussion
	1:30 to 3:30 PM	Working Group Breakout Sessions
Afternoon	3:30 to 4:30 PM	Break (<i>drinks and snacks</i>)
	4:30 to 6:30 PM **	Session 1 Poster Presentations (time to discuss posters with presenters)
Thursday		
Morning	8:30 to noon*	Session 2 talks: Enzymes in biogeochemical models: new paradigms (<i>speakers and presentation titles tba</i>)
	Noon to 1:30 PM	Lunch and informal discussion
	1:30 to 3:30 PM	Working Group Breakout Sessions
Afternoon	3:30 to 4:30 PM	Break (<i>drinks and snacks</i>)
	4:30 to 6:30 PM **	Session 2 Poster Presentations (time to discuss posters with presenters)
Friday		
Morning	8:30 to noon*	Session 3: Reports from Breakout Sessions (<i>summarize what we learned and future actions</i>)
	Noon	Adjourn - Safe trip home!

* Morning sessions will include a 15 minute beverage break at 10AM

** Posters will be posted on the walls in the morning and left for the entire day

Lodging options

Best Western University Inn

The Best Western University Inn & Staff is assisting us in hosting this workshop by offering discounted room rates to participants May 15-19, 2012. When booking reservations, please communicate that you are attending the 'Enzyme Workshop' and your room rate will be reduced to **\$70.00 per room, per night** (plus tax if applicable). Individuals must call the hotel directly in order to make reservations. This special rate will be available until May 1, 2012. Reservations made after this date will not be offered this special rate, so if you choose to stay at the Best Western, please book your rooms as soon as you have received your abstract confirmation!

Best Western University Inn is conveniently located right across the street from Colorado State University, and within walking distance of numerous restaurants, shops and local attractions. Amenities include a complimentary deluxe continental breakfast, free high-speed internet access, new pillow-top mattresses, heated indoor pool/hot tub, exercise and laundry facilities on site. There is also a free local shuttle to the university campus if needed.

The expanded continental breakfast includes waffles, bagels and cream cheese, hard-boiled eggs, muffins, yogurt, cereals/instant oatmeal, milk, toast, fruit, juices, coffee, and tea. Breakfast is served 6:00 a.m. – 10:00 a.m. daily.

(The I-Hop Restaurant next door is open 24 hours and offers a 20% discount to our guests.)

Best Western University Inn

914 S. College Avenue

Ft. Collins, CO 80525

(970) 484-1984

www.bwui.com

Hilton Fort Collins

Hilton Fort Collins is centrally located within the heart of Fort Collins adjacent to the campus of Colorado State University just off Highway 287 (College Ave) and Prospect Road. Amenities include a full service Italian restaurant serving breakfast, lunch & dinner; a complete business center equipped with computers, printers, and copy machine; wireless internet capabilities in common areas. For local transportation, the Hilton shuttle offers easy, convenient access to Historic Old Town with plenty of shopping and restaurants area. Additionally, rental cars are available from the Administration desk.

Individuals must call the hotel directly in order to make reservations. Room rates vary between \$136 (single) to \$166 (quad) plus tax, and are subject to change based on availability.

Hilton Fort Collins

425 W. Prospect Road

Ft. Collins, CO 80526

(970) 482-2626

www.hilton.com

Critical Dates

- February 3, 2012: Deadline to submit poster abstracts
- February 17, 2012: Applicants will receive notification of abstract acceptance
- February 29, 2012: Deadline to confirm attendance

If you have any questions regarding the abstract submission or review process, please contact Colin Bell (colin.bell@colostate.edu) for assistance.

- February 6, 2012: Contact Colin Bell

Special Needs:

For more information regarding logistics or any special needs to accommodate you in order to attend this workshop (i.e. special dietary or other), please contact Colin Bell (colin.bell@colostate.edu). For general workshop questions, contact Mary Stromberger (Mary.Stromberger@colostate.edu).

Mary Stromberger, Chair
Matthew Wallenstein, Co-Chair
Colin Bell, Program Organizer