

# SMI CONNECTIONS



Volume III, Issue 3

Fall, 2010



## SMI'S 2010 SUMMER INSTITUTE *Scientific Teaching*

In late Spring 2010, over 40 applications were submitted by highly committed pre-service and credentialed science and mathematics teachers to attend the SMI's Summer Institute, *Scientific Teaching* (August 17-19). A total of 20 applicants were selected: 9 SMI students, 4 SMI mentor teachers, 5 Citrus College students, and 1 Citrus College faculty member.

Adopting the *Scientific Teaching Summer Institute* national model sponsored by the Howard Hughes Medical Institute/National Academies of Sciences (HHMI/NAS), Dr. Bradley C. Hyman, Professor of Biology and SMI Faculty Director at UCR, and Dr. Amy Prunuske, Scientific Teaching Postdoctoral Fellow from the University of Wisconsin-Madison, will lead the three day training.

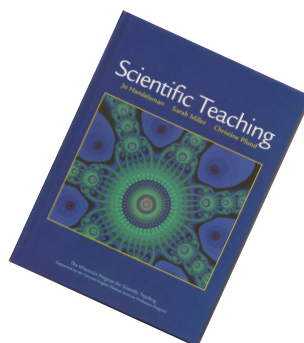
Through this highly interactive workshop, future and credentialed science/mathematics teachers learn about effective and innovative strategies to teach science and mathematics. Key teaching themes are:

- Active learning
- Assessment
- Diversity

Training activities involve high-energy, interactive lesson planning and delivery sessions focusing upon science and mathematics teaching in the secondary level classrooms. Activities involve:

- Interactive presentations
- Mini-seminars
- Workshops to develop teachable tidbits
- Adoption of backwards design

Photos of SMI's 2010 Summer Institute will be posted on SMI website ([smi.ucr.edu/summer\\_institute\\_2010.html](http://smi.ucr.edu/summer_institute_2010.html)).



## 2010-11 APPRENTICE PROGRAMS

Despite severe budgetary constraints and cuts, SMI and the ALPHA Center continue to dedicate their resources to enhance SMI students' preparation for careers as science/mathematics educators. Thirteen candidates (5 renewals and 8 new candidates) have been invited to participate in one of the two SMI and ALPHA Center Apprentice Programs: CUSP (*College University School Partnership*) and CMST (*California Mathematics Science Teacher Initiative*) for 2010-11 academic year. The formal selection process purposely mimicked an employment selection process. Candidates prepared and submitted written applications to document their pre-teaching professional preparation and experiences. Candidates who successfully passed the application process were invited to a formal interview with the selection committee. Each quarter, apprentices will complete between 35 to 50 hours of active field experiences in local middle and high school science/mathematics classrooms.

Congratulations to our 2010-11 apprentices:

- |                          |                    |
|--------------------------|--------------------|
| * Marissa Baker          | * Kimberly Morris  |
| * Julie Bon              | * Dean Nguyen      |
| * Madison Elkins         | * Jasmine Perey    |
| * Tommy Hoang            | * Karina Rodriguez |
| * Kimberly Ludwig        | * Michelle Thomas  |
| * Yahaira Martinez-Lopez | * Monika Ujkic     |
|                          | * John Valdez      |

## TEACHING CREDENTIAL CANDIDATES BOUND FOR SUCCESS

SMI alumni listed below either began the UCR Teaching Credential Program in Spring 2010, as Integrated Teaching Candidates<sup>(\*)</sup> or are expected to begin in Fall 2010.

~~~ Congratulations! ~~~

### Sciences

Adrian Gamez  
Linda Le\*  
Peter Lieu  
John Nguyen\*  
Jennifer Prins

### Sciences (cont.)

Eric Romero  
Fallyn Thompson\*

### Mathematics

Kayla Bui  
Donna Cabral  
Chiara Hodgkinson\*  
Cirilo Nevarez  
Veronica Pena\*

### Mathematics (cont.)

Laura Avina Ramirez  
Angelica Ruiz\*  
Karla Virgil  
Toby Walker  
Nichole Yumori\*



### Contact Us

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### A Transportation Solution

Have personal transportation challenges prevented you from exploring science/mathematics teaching as a possible career and/or from gaining valuable field experiences such as EDUC 3 and EDUC 4? Delay no more! Consider reserving a Zipcar!

For an annual membership fee of \$35, rental rates during the weekdays are \$8 per hour, or \$66 per day. During the weekends, rental rates are \$9 per hour, or \$72 per day. Rental rates include gas, insurance, and up to 180 driving miles. Unlike traditional rental cars, drivers only need to be 18 years of age (rather than 21). You can access Zipcars parked right on campus. Members ages 21 or older have access to the Zipcar's network, which includes over 6,500 vehicles throughout the U.K. and North America. To learn more about how you can sign up for Zipcar membership, please visit [www.zipcar.com/ucr/](http://www.zipcar.com/ucr/).



## EXAM EXPERTS!

During the 2009-10 academic year, the SMI Exam Reimbursement Program supported the following SMI student participants who successfully completed their State mandated teacher examinations (CBEST, CSET). TTSM members are designated with an asterisk (\*). Congratulations to...

### CBEST

- Marissa Baker
- Julie Bon
- Adrian Gamez
- Tommy Hoang\*
- Samuel Houk
- Kimberley Hutter
- Nohemi Lacombe
- Peter Lieu
- Yahaira Martinez-Lopez
- Maria Mosqueda
- Lanissa Naylor
- Dean Nguyen\*
- John Nguyen
- Anabel Orozco
- Eric Romero
- Tyler Rowley

### CSET - Science

- Marissa Baker (subtest 1)
- Corneliu Costin (subtests 2 & 3)
- Adrian Gamez (subtests 1 & 2 & 3)
- Linda Le (subtests 1 & 2 & 3)
- Peter Lieu (subtests 1 & 2)
- John, Nguyen (subtests 1 & 2 & 3)
- Sarah Pickrahn (subtest 1)
- Jennifer Prins (subtests 1 & 2 & 3)\*
- Eric Romero (subtests 1 & 2 & 3)
- Tyler Rowley (subtest 1)
- Fallyn Thompson (subtests 1 & 2 & 3)
- Madelyn Urrutia (subtest 2)

### CSET Mathematics

- Laura Avina (subtests 1 & 2)
- Adam Brown (subtests 1 & 2 & 3)
- Kayla Bui\* (subtests 1 & 2 & 3)
- Stephanie Fong (subtests 1 & 2 & 3)
- Kristina Hanson (subtests 1 & 3)
- Chiara Hodgkinson (subtests 1 & 2 & 3)\*
- Yahaira Martinez-Lopez (subtest 1)\*
- Karina Rodriguez (subtest 1)\*
- Angelica Ruiz (subtests 1 & 2)\*
- Karla Virgil (subtests 1 & 2)
- Toby Walker (subtest 2)\*
- Nicole Yumori (subtests 1 & 2 & 3)\*
- Nathan Ziadie (subtest 3)\*



*Per SMI exam Reimbursement Program agreement, these students granted permission for publicizing their exam successes. To learn more about the policies and procedures related to these financial resources, please visit the [SMI website](#).*

### RECOMMENDED COURSES FOR FALL 2010

- EDUC 3: Imagining Teaching: Science/Mathematics Emphasis
- EDUC 4: Looking into the Classroom: Science/Mathematics Emphasis
- EDUC 100A: Tutorial Teaching: Community Outreach
- EDUC 110: Learning and Instruction
- EDUC 116: The Exceptional Child
- EDUC 174: Reading & Writing in the Content Area
- EDUC 177A: Language Development in the Content Area  
To evaluate the best way for you to incorporate teaching-related courses into your overall objectives, schedule an SMI advising appointment at [smi@ucr.edu](mailto:smi@ucr.edu).

Guest speakers from the UCR Graduate School of Education, Financial Aid, ALPHA Center, and the Career Center will present informational seminars and workshops specifically designed with SMI students in mind. Topics to be covered are: UCR Integrated Teaching Credential Program, Financial Aid for Future STEM Teachers, and Preparing a Teacher Resume. For more information and to sign up for these seminars and workshops, please visit the SMI website.

## SMI GUEST SPEAKER SERIES for FALL 2010

### OPPORTUNITIES FOR CREDENTIALLED TEACHERS

**Become an SMI Mentor Teacher:** Host one or more SMI undergraduate students (Mentee or Apprentice) in your classroom each academic quarter. Mentees/Apprentices are expected to complete 30 to 50 field hours per quarter. Willingness to provide a mentee/apprentice the opportunity to develop and implement whole group lessons is encouraged. To learn more and to download the Interest Form, please visit <http://smi.ucr.edu/files/mentorteacherapplication.pdf>.

**Convert SMI Mentor Teacher Service to Units:** If you served as an SMI Mentor Teacher during the past academic year, 2009-10, you may request 2 units of college credit for each academic quarter you served. If you are interested in receiving college credit, please contact Leslie Bushong, SMI Director, at [leslie.bushong@ucr.edu](mailto:leslie.bushong@ucr.edu).

**Participate in the Science and Mathematics Mentor Teacher/Coach Certification Program:** The University Extension Center at UCR offers this program to assist middle and high school science and mathematics teachers in developing skills to serve as mentors to future teachers or coaches to other teachers. Strategies to development leadership skills for coaching colleagues and create collaborative school learning environments are presented. For more information, please visit [www.extension.ucr.edu/certificates](http://www.extension.ucr.edu/certificates).

### Tomorrow's Teachers for Science and Math (TTSM)

TTSM (Tomorrow's Teachers in Science and Math) is an on-campus club self-governed by current UCR students considering and/or pursuing science and mathematics education careers. The club's primary purposes are to create a organization where future STEM educators are able to form a community and develop professional leadership skills. General meetings are scheduled on a bi-weekly basis. Officer meetings are scheduled on a weekly basis. ALL UCR students are welcome to attend the

All meetings are held in Piece 1315.



**TTSM Officers:** (from left to right) Karina Rodriguez, Nathan Ziadie, Yahaira Martinez-Lopez, Tommy Hoang, John Valdez, Angie Garcia

|                                                                       |                                                                      |                                                                       |
|-----------------------------------------------------------------------|----------------------------------------------------------------------|-----------------------------------------------------------------------|
| <b>Officer Meeting</b><br>September 23 (Thursday)<br>3:30 - 4:30 p.m. | <b>Officer Meeting</b><br>October 14 (Thursday)<br>3:30 - 4:30 p.m.  | <b>Officer Meeting</b><br>November 12 (Friday)<br>3:00 - 4:00 pm      |
| <b>Officer Meeting</b><br>September 30 (Thursday)<br>3:30 - 4:30 p.m. | <b>Officer Meeting</b><br>October 21 (Thursday)<br>3:30 - 4:30 p.m.  | <b>General Meeting</b><br>November 17 (Wednesday)<br>4:00 - 5:00 p.m. |
| <b>General Meeting</b><br>October 6 (Wednesday)<br>4:00 - 5:00 pm     | <b>Officer Meeting</b><br>October 28 (Thursday)<br>3:30 - 4:30 p.m.  | <b>Officer Meeting</b><br>November 18 (Thursday)<br>3:30 - 4:30 p.m.  |
| <b>Officer Meeting</b><br>October 7 (Thursday)<br>3:30 - 4:30 p.m.    | <b>General Meeting</b><br>November 3 (Wednesday)<br>4:00 - 5:00 p.m. | <b>General Meeting</b><br>December 1 (Wednesday)<br>4:00 - 5:00 p.m.  |
| <b>General Meeting</b><br>October 20 (Wednesday)<br>4:00 - 5:00 pm    | <b>Officer Meeting</b><br>November 4 (Thursday)<br>3:30 - 4:30 p.m.  | <b>Officer Meeting</b><br>December 2 (Thursday)<br>3:30 - 4:30 p.m.   |

### Science and Technology Education Partnership (STEP) Seminar

**Presenter:** Dr. Pamela S. Clute  
*Assistant Vice Provost of Academic Partnerships  
Executive Director of the ALPHA Center  
Professor of Mathematics  
UC Riverside*

**When:** Wednesday, October 13, 2010  
3:45 to 7:00 p.m.

**Where:** Riverside Convention Center  
**Cost:** A Smile 😊

This program is designed to motivate and provide "hands-on" activities to stimulate the learning of mathematics and sciences. Instructional materials will be provided along with certificate of recognition from Founder and Honorary Chairman, Ken Calvert. A buffet dinner will be served and door prizes will be awarded, included an iPad!  
Seating is limited to 125 participants and reservations are required by Friday, October 1, 2010. Email your RSVP to Candy McReynolds ([candym@ucr.edu](mailto:candym@ucr.edu)).  
For more details about STEP, please visit <http://www.myscienceducation.com/>