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).

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

TEACHING CREDENTIALED CANDIDATES BOUND FOR SUCCESS
SMI alumni listed below either began the UCR Teaching Credential Program in Spring 2010, as Integrated Teaching Candidates 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 Yunori*

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/.

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Contact Us
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Staff Director: Leslie Bushong
Faculty Director: Bradley Hyman
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)
- Cornelia Costin (subtests 2 & 3)
- Adrian Gamez (subtests 1 & 2 & 3)
- Linda Le (subtests 1 & 2 & 3)
- Peter Lieu (subtest 1 & 2)
- John Nguyen (subtests 1 & 2 & 3)
- Sarah Pirkrahm (subtest 1)
- Jennifer Prins (subtests 1 & 2 & 3)*
- Eric Romero (subtests 1 & 2 & 3)
- Tyler Rowley (subtest 1)
- Fallyn Thompson (subtests 1 & 2 & 3)
- Madelynn 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.

SMI GUEST SPEAKER SERIES for FALL 2010
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.

OPPORTUNITIES FOR CREDENTIALED 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 mentor/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.

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.

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.

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, Anggie Garcia

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).

For more details about STEP, please visit http://www.myscienceeducation.com/