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To:

The Hispanic Physicist

The Newsletter of the National Society of Hispanic Physicists

Year 17

May 27, 2014

APS proposals for the Brazil-U.S. Exchange Program

The American Physical Society (APS) is accepting proposals for the Brazil-U.S. Exchange Program, a program sponsored by APS and the Sociedade Brasileira de Fısica. APS welcomes proposals from graduate students, post-docs and professors at U.S. institutions who would like to travel to Brazil. Physics graduate students and post-docs can apply for travel funds to pursue opportunities such as attending a summer school or working temporarily in a laboratory. Professors can apply to teach a short course or give a lecture series in physics. The deadline for applications is **30 May 2014**. Application guidelines and additional details about the program are available on the APS website at: <http://www.aps.org/programs/international/programs/brazil.cfm>. Applications and any inquiries can be directed to Michele Irwin in the APS Office of International Affairs at lrwin@aps.org.

Positions open for The Executive Committee of the Forum on International Physics

The Executive Committee of the Forum on International Physics consists of 13 voting members. The following positions become vacant beginning January 2015.

- 1) Vice-Chair
- 3) Two Members-at-Large

The purpose of this message is to invite you to nominate candidates for these positions. If you wish to review the current make up of the FIP Executive Committee, please go to: <http://units.aps.org/units/fip/> Sergio Ulloa, Past Chair of the Executive Committee, serves as Chair of the Nominating Committee. Submit nominations directly to him (ulloa@ohio.edu). **Nominations will close on July 15, 2014.**

The new Executive Committee members will be expected to participate in the activities of the FIP. Chief among these is the annual meeting of the Executive Committee - usually held in conjunction with the APS March or April Meetings. If you or your nominee have any questions regarding FIP and the election process, please contact Sergio Ulloa or myself (nmirkin@umich.edu)

ASSOCIATE DIRECTOR - FIU Teach

Florida International University is seeking an individual to be the Associate Director (AD) of FIU Teach, a highly innovative program that focuses on developing the next generation of high school science and mathematics teachers through an undergraduate education that combines intensive subject matter training with creative training in the practice of teaching. The Associate Director (AD) is involved in all aspects of FIU Teach and works closely with the program directors, undergraduate students, master teachers, program faculty, and high school teachers, as well as with administrators at the University and in the school system.

The individual selected as AD must have at least a master's degree in science or mathematics or in science/mathematics education, although an earned doctorate is strongly preferred. The AD reports to the program co-directors and is responsible for: administration of the program; management of staff; budgeting; and program development. Opportunities for teaching/advising may exist. This is a full time, 12-month position. Please go to <http://fiuteach.fiu.edu> for further information. **The review of applications**

will begin on May 16, 2014 and will continue until the position is filled. Preferred start date is June 15, 2014 although this can be somewhat flexible.

Applications must be submitted on-line at careers.fiu.edu. When applying please reference Job Opening ID: 507548.

Required background includes:

- A preference for earned doctorate in science or mathematics or science/mathematics education (minimum master's degree in these areas required);
- At least three years' experience in teaching and/or advising, administration and leadership; and
- Very strong oral and written communication skills.

Additionally, preference will be given to candidates who demonstrate:

- Knowledge of recent advances in science and mathematics teaching;
- Teaching, advising, and /or administration in higher education;
- Experience working collaboratively and also independently;
- Budgetary experience; and
- Experience conducting and leading a research program.

RESPONSIBILITIES

- Administration of program, including coordination of all aspects of the program, working with codirectors and others in program, developing and managing web site, developing program advertising materials, program assessment, reporting to funding agencies. – 30%
- Personnel management and supervision of at least six people, including selecting and supervising master teachers, program faculty, student help, mentor teachers, etc. – 20%
- Budgeting and grants management, including FIU Teach grant, state funds, private funds – 20%
- Program development and implementation, including leading development of courses and curricula, recruiting students to program; interaction with school systems; interaction with campus committees and constituencies – 20%
- Teaching and advising of FIU Teach students – 10%

Position requires some travel, primarily in South Florida to work with teachers and students in the schools, attendance at meetings with high school teachers, and supervisors, etc. Position also requires one or more out-of-state trips/year to attend UTeach and other related meetings.

Clinical Assistant Professor (Master Teacher) - FIU Teach

FIU Teach is searching for two Master Teachers for the new FIU Teach program. FIU Teach is a replication of the mature, successful UTeach model for recruiting, preparing, and inducting secondary science and mathematics teachers into teaching careers in partnership with Miami-Dade County Public Schools. The Master Teacher is the primary point of contact for undergraduate students in the FIU Teach program and will teach initial courses in the teacher education program as well as supervising students in elementary, middle and high school settings. The individuals selected as Master Teachers must have a master's degree in science or mathematics or in science/mathematics education and a minimum of five years of experience as a secondary classroom teacher in science or mathematics. Master Teachers will be hired as Clinical Faculty and will report to program co-directors and work closely with the Associate Director. Master Teachers are responsible for teaching Step 1 & Step 2 classes, planning and carrying out field experiences for FIU Teach students, and other duties as assigned. Please go to <http://fiuteach.fiu.edu> for further information.

The review of applications will begin on May 16, 2014 and will continue until the position is filled.

Preferred start date is June 15, 2014 although this can be somewhat flexible.

These Master Teacher positions are 10 month positions (9 month academic year + 1 month summer) with potential for further summer effort. These positions require travel, primarily in South Florida, to work with teachers and students in the schools, attendance at meetings with high school teachers, and supervisors, etc. Positions also require one or more out-of-state trips/year to attend UTeach conferences and other related meetings.

related meetings.

Applications must be submitted on-line at careers.fiu.edu. When applying please reference Job Opening ID: 507548.

Required Qualifications:

- Master's degree, with a doctorate preferred
- Minimum 5 years as a secondary classroom teacher, with a preference for public school experience
- Interest in being part of a teacher professional preparation program
- Expertise in appropriate use of instructional technology

Responsibilities:

Persons appointed as clinical faculty members in the FIU Teach program are non-tenured faculty who will be hired into the STEM Transformation Institute. An appointment to this position will primarily involve participation in teaching and/or supervising undergraduate students in courses and experiences related to fieldbased teacher development. Primary responsibilities include teaching field-based courses students take in their pursuit of certification, identifying qualified local public school teachers who can serve as mentor teachers, working with local area public school teachers who act as mentors for the students, working with the College of Education Field Placement Office to coordinate field placements and student teaching sites for students, and conducting field observations of the students. Additional duties will include student mentoring and other programmatically related tasks.

Salary:

Salaries and benefits are consistent with Florida International University guidelines and commensurate with an applicant's professional credentials.

Period of Appointment:

This non-tenure-track faculty appointment consists of a 9-month instructional and a 1-month summer administrative appointment, for a total of 10 months. Initial appointment is for 3 years. However, reappointment can occur for as long as the appropriate need and resources exist. Reappointment is also dependent upon continual satisfactory job performance. Additional instructional-related duties will be assigned in order to provide persons appointed in this title with the appropriate workload.



ALFRED P. SLOAN FOUNDATION

Call for Nominations

Sloan Research Fellowships

\$50,000 fellowships for exceptional junior faculty in the sciences, mathematics, and economics

Deadline: September 15th, 2014

What are they?

\$50,000 fellowships awarded annually to exceptional junior faculty

Eligible Fields

Chemistry
Computer Science
Economics
Mathematics
Neuroscience

in eight scientific and technical fields.

Who is eligible?

Candidates must hold a tenure-track (or equivalent) position at a college, university, or other degree-granting institution in the U.S. or Canada and have been awarded their Ph.D. (or equivalent) on or after September 1, 2008.*

What can you do?

Candidates must be nominated by a department head or other senior researcher. Please inform your faculty about this opportunity and consider nominating one of your outstanding junior colleagues for a fellowship. In keeping with the Foundation's long-standing tradition of supporting underrepresented groups in the sciences, technology, engineering, and mathematics, we strongly encourage the nomination of women and minorities.

Learn more

www.sloan.org/fellowships

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2014 AAPT Summer Meeting T-Shirt Contest

Contest Ends: June 15th

We're looking for creative people of all ages to submit their ideas for our [Summer Meeting T-Shirt Design Contest](#). The winner will receive a \$100 American Express gift card and a t shirt.

The winning design will be featured on our new [2014 AAPT Summer Meeting](#) T-Shirt. A portion of the proceeds from the sale of the shirts will go to the [AAPT Student Fund](#).

This contest is open to everyone! People of all ages are invited to submit a design based on the specified criteria. For the complete contest guidelines, click [here](#).

Not a designer, don't worry. We invite you to share this contest with your students, friends, and colleagues. Students do not have to be physics or science majors to participate. Again, this contest is open to the general public!

Thank you in advance for doing your part to promote this contest through sharing it with your contacts. The shirt will be available for sale beginning in July. If you have any questions about the contest, please email marketing@aapt.org.

Sincerely,

RaShonda Rosier

Marketing Manager

Department of Physics - UC San Diego - Assistant Project Scientist

The Department of Physics within the Division of Physical Sciences at UCSD (<http://www-physics.ucsd.edu/>) invites applications for an Assistant Project Scientist in the Jun lab (<http://jun.ucsd.edu>). The Jun lab is also affiliated with the Section of Molecular Biology in Division of Biological Sciences at UCSD (<http://biology.ucsd.edu>), and is looking to strengthen its bacterial genetics and molecular biology infrastructure by welcoming a researcher to work within the context of quantitative/systems biology.

A successful candidate will have a Ph.D. in Bacterial Genetics or a related field. Candidates with post-doc experience in bacterial genetics laboratories are encouraged to apply. Experience and publications in the areas of cell cycle, physiology, replication, recombination, repair, or chromosome structure/dynamics in model bacterial organisms (e.g., *Escherichia coli*) are highly desirable. Desired skills include state-of-the-art bacterial genetics techniques (e.g., fluorescent fusion proteins, protein degradation tags, gene insertion /knock-out, mutagenesis, transposons), genome size manipulation, real-time PCR, ChIP, microarray, sequencing/bioinformatics, and familiarity with microscopy. The candidate is expected to be an excellent leader and a team player with the ability to work independently, to transfer knowledge to students and post-docs originally trained in the physical sciences who are entering biological research, and to have her/his own project.

The University is committed to an excellent and diverse faculty and student body. Salary, title and rank are commensurate with qualifications and based on University of California pay scales. Interested candidates should submit online at <https://apol-recruit.ucsd.edu/apply/JPF00478> a cover letter, a curriculum vitae including a list of publications, and a separate statement that addresses past and/or potential contributions to and leadership in promoting diversity, equity and inclusion (see <http://facultyequity.ucsd.edu/Faculty-Applicant-C2D-Info.asp>). Candidates should also arrange to have three letters of reference submitted to the above-mentioned URL.

Review of applications will commence on May 23, 2014 and continue until the position is filled.

The John Wheatley Award Forum on International Physics

As the deadline for nominations soon approaches (July 1, 2014), we want to encourage you to identify a colleague who has "made contributions to the development of physics in countries of the third world".

The John Wheatley Award, established in 1991 with support from FIP, has recognized the outstanding contributions of many notable scientists and we would like to continue that tradition. Please nominate worthy candidates and help recognize their efforts. It is important to remember the membership of APS is diverse and global, so the Prize and Award winners as well as Fellows of the APS should reflect that diversity. Nominations of women, members of underrepresented minority groups, and scientists from outside the United States are especially encouraged. More details on the award and nomination process can be found at <http://www.aps.org/programs/honors/awards/wheatley.cfm>. Please act promptly.

The deadline is July 1st, 2014.

Sergio Ulloa
FIP Past President and
Chair of the Wheatley Award Selection Committee

APS Accepting Nominations for Apker Award, Valley, and Lilienfeld Prizes
Deadlines: Apker – June 20, Valley – July 1, Lilienfeld – July 1

Please consider nominating your colleagues, including women and minorities, for the prestigious APS Apker Award, Valley, and Lilienfeld Prizes.

The [LeRoy Apker Award](#) recognizes outstanding undergraduate researchers, the [George E. Valley Jr. Prize](#) recognizes an early career physicist for outstanding scientific contributions, and the [Julius Edgar Lilienfeld Prize](#) recognizes a most outstanding contribution to physics.

<http://www.aps.org/programs/honors/prizes/>



U.S. DEPARTMENT OF
ENERGY

Office of
Science

Science Undergraduate Laboratory Internship (SULI) at Oak Ridge National Laboratory (ORNL)!

2014 Fall Internship Information – Apply now!!

ORNL is the largest science and energy laboratory in the Department of Energy system. Areas of research include materials, neutron sciences, energy, high-performance computing, systems biology and national security. Visit <http://www.youtube.com/watch?v=NSCdUJ8caww> to discover some exciting reasons why ORNL offers a great internship experience!

Benefits:

- 16 weeks (August 25 – December 12) engaged in a research project under the direction of a laboratory scientist/engineer
- Career development workshops/lab tours
- \$500 per week stipend and limited travel reimbursement/housing allowance (for those who qualify)

To be eligible, you must:

- Be currently enrolled full-time at an accredited U.S. institution **AND** have completed at least one year as an undergraduate (at the time of application)*
- Be at least 18 years of age
- Be a U.S. Citizen or Legal Permanent Resident
- Have a minimum GPA of 3.0

**Please note – the internship requires a full-time (at least 40 hours per week) commitment onsite at ORNL in Oak Ridge, Tennessee. Some students find it reasonable to take online or evening classes during the course of the internship.*

Application deadline: May 30, 2014 5:00 p.m. ET

Apply online now at <http://science.energy.gov/wdts/>!

Email suli@ornl.gov for questions or additional information

Email sun@ornl.org for questions or additional information.

www.ornl.org/ornl

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The Hispanic Physicist. Published whenever there is news and the Editor has enough time. Send news, letters, congratulations, etc. to Jorge A. Lopez, jorgelopez@utep.edu. <http://www.hispanicphysicists.org/>.

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