

The Hispanic Physicist

The Newsletter of the National Society of Hispanic Physicists



MATCH Teacher Residency - ATTENTION--SENIORS AND RECENT GRADS:

Do you want to be an unusually effective first year teacher in a high-poverty charter school? If so, you should consider MATCH Teacher Residency--an innovative, one-year teacher residency program. Basically, we give recent college graduates one year of intense training. We then help them find positions in high-need schools, and continue to support them as they begin their careers in the classroom.

What sets MTR apart from other teacher prep programs? 1) We're prescriptive, like a sports coach or piano teacher; you learn and practice very specific "Teacher Moves." 2) Trainees are specifically being prepared to teach in certain charter schools with a track record of "turning around" low-performing kids. 3) We have a very particular approach, which involves building relationships 1-on-1 with kids and parents, then using those relationships to run a tight ship in class, enforcing rules consistently, and pushing/demanding a LOT from our kids.

MTR is no different from the MATCH Corps (our full-time tutoring program) from Monday to Thursday. However, unlike MATCH Corps, MTRs want to go on to become full-time teachers in high-poverty, "No Excuses" charter schools. So on Fridays and Saturdays, MTRs learn about the nuts and bolts of teaching, do tons of practice, and get a lot of coaching. We're especially proud of our brand new elementary school, MATCH Community Day, which specifically serves students who speak a language other than English at home. MATCH Teacher Residents have the option to serve at MATCH Community Day, or our previously established High School or Middle School. For more information on MATCH Community Day, have a look at: <http://www.youtube.com/watch?v=RGUV8Jbeu-c>.

Does MTR work? Yes—check out this study to see how MTR trained teachers tend to outperform other rookie (and second year) teachers: http://www.matcheschool.org/publications/mtr_evaluation.pdf. For more information about MATCH Teacher Residency, check out this video: <http://www.youtube.com/watch?v=32mkkuQnFYU>, or go to our website: <http://www.matcheschool.org/matchcorps/teacher.htm>

Tenure Track Assistant Professor in Biophysics at Texas Christian University

The Department of Physics and Astronomy at Texas Christian University invites applications for a tenure-track faculty position in the area of Biophysics at the Assistant Professor level. The successful candidate will be expected to teach undergraduate and graduate courses in physics and biophysics, advise PhD candidates and conduct an independent and vigorous research program. We expect that the new faculty member will strengthen our undergraduate and graduate programs in physics with emphasis on theoretical/computational biophysics. The research interests of the applicant should be compatible with the current biophysics research program that includes optical spectroscopy, macromolecular interactions and macromolecular dynamics, preferably with modern nanophotonics approaches. Applicants should have a PhD in Physics, Chemical Physics or Biophysics, a strong record of achievement in biophysics related research, and a commitment to excellence in undergraduate and graduate teaching and outreach. Applications must be submitted through the TCU Human Resources website at https://tcu.igreentree.com/CSS_Faculty. The review of applications will begin May 1 and continue until the position is filled.

Spring 2012 BS/MS/PhD Graduates and recent Alumni - Application closes April 8, 2012

Visit [CBFO Fellowship Programs](#) to apply!

The Department of Energy (DOE) CBFO Program provides the opportunity to conduct mission-oriented research in DOE's CBFO in Carlsbad, New Mexico. The CBFO Fellow will study needs for automated access control and secured wireless computing for use in the [Waste Isolation Pilot Plant](#) (WIPP) repository. The Fellow will become familiar with Homeland Security Presidential Directive 12, Public Key Infrastructure and secured wireless local area networking. The Fellow will also become familiar with key recommendations regarding the integration and deployment of information technology systems for optimized use and cost saving applications without sacrificing performance or security.

Postdoctoral Scientist at CHES

The Cornell High-Energy Synchrotron Source (CHES) in Ithaca, New York, USA has an opening for a Postdoctoral Scientist to pursue x-ray studies in any of a wide-range of materials areas: physics, chemistry, biology, engineering and/or cultural heritage or art history. Candidates must show a record of hands-on experience supporting x-ray experimental equipment and x-ray data collection and analysis. A Ph.D. in the area of expertise is required, along with a solid publication record, fluency in the English language, and excellent communication skills. Appointments are for one year at a time with the possibility of an extension for up to a total of 3 years, all subject to satisfactory performance and availability of funds. Applications should be submitted at <http://academicjobsonline.org/> (posting 1466). For information about the position, contact Dr. Sol Gruner at smg26@cornell.edu.

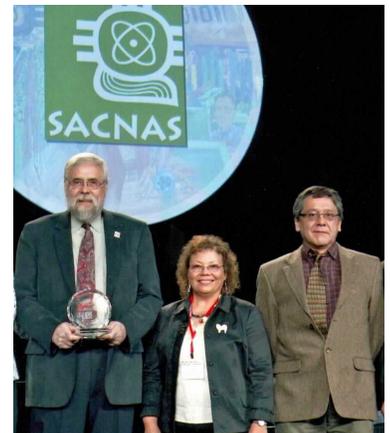
Faculty Position, Department of Physics, Rochester Institute of Technology

The Department of Physics at the Rochester Institute of Technology invites applications for a tenure-track faculty position in the area of astrophysics, to begin August 2012. The position is expected to be at the rank of assistant professor; however, candidates with experience and qualifications consistent with appointment at a higher rank are also invited to apply. Candidates must have a Ph.D. in astronomy, astrophysics, or a closely related field. **HOW TO APPLY:** Applications must be submitted online at <http://careers.rit.edu/> (search for IRC56099). More information: <http://www.rit.edu/cos/physics/> and <http://www.rit.edu/cos/astrophysics/>. To receive full consideration, all application materials should be received by March 31, 2012. Email inquiries regarding the position should be sent to axrsps@rit.edu.

From NSHP Scrapbook

Not long ago, in October 2011, NSHP Executive Secretary, Dave Ernst, received the SACNAS Distinguished Professional Mentor Award.

Of the three NSHPers in the picture Dave is the tall one, current NSHP President Luz Martinez is the short one and Communication Officer Jorge López is the medium size one.



The Hispanic Physicist Published whenever there is news and the editor has enough time. Send news, letters, congratulations, etc. to Jorge A. López, Physics Department, Univ. Texas at El Paso, 500 W. University Ave., El Paso, TX 79968, (915) 747-7528, jorgelopez@utep.edu, <http://hispanicphysicists.org>.