



April 2006

Office of Education, Division of Intramural Research National Heart, Lung, and Blood Institute **FELLOWS NEWSLETTER**

The Fellows Newsletter is published monthly by the Office of Education, Division of Intramural Research, National Heart, Lung, and Blood Institute and distributed to NHLBI DIR members to promote the interest of DIR Fellows.

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From the Director of the Office of Education

The major event in April is the **4th Annual Fellows Retreat**, on **April 27-28th**, once again at the Harbourtowne Conference Center. Over 140 Fellows have signed up to attend, and we will have over 50 posters. This year, posters will be judged by a committee consisting of several tenure-track faculty at NHLBI. A complete program for the meeting is on the web at: <http://dir-intranet.nhlbi.nih.gov/oe/retreat/2006/documents/Agenda.pdf>

The National Postdoctoral Association (NPA), an organization that advances the causes of postdoctoral fellows, will be holding their **Annual Meeting** on **April 21-23rd** in the Natcher Conference Center. The complete program is on the web at: http://www.nationalpostdoc.org/annual_meeting/2006. Because NHLBI is a Sustaining Member of the NPA, fellows at NHLBI who are not NPA members can register for the meeting at the member's price. If you are interested, contact the Office of Education.

Our next **Career Development Seminar** is on **Tuesday, April 11th at Noon**, in Room 7S235, where Ms. Amy Powers of the NIH Division of International Services, will lead a discussion and workshop on "Immigration Issues for Foreign Researchers." This is of obvious interest to our Visiting Fellows who are here on temporary visas.

The **April Fellows Science/Social Hour** will be held on **Tuesday, April 18th at 5:00 PM** in room 7S235, where Drs. Yasuharu Takagi and Yi Yang from Dr. Sellers' Lab will present their studies on "Single Molecule Muscle Mechanics and Kinetics Using Optical Traps." A social excursion to Bethesda will follow the conclusion of the talks. Come out to meet your colleagues and learn what other fellows are doing at the NHLBI!

The Annual Progress Report

Dr. Herbert M. Geller
Director, Office of Education

As many of you know, all Fellows at NHLBI are required to provide an annual progress report as part of the fellowship renewal process. For Research and Clinical Fellows, this report also serves as the required evaluation under the Title 42 appointment procedures. Thus, for many of you, and for your advisors, this appears to be just another piece of paperwork to fill out.

This progress report was instituted to provide an opportunity for the fellow and PI to sit together and review progress in their research and discuss the avenues for professional advancement of the fellow. While many fellows and their advisors do this informally throughout the year, the requirement for a written report was to

ensure that all fellows have this opportunity. Moreover, the information in the report helps me ascertain that you are, in fact, making progress, and to identify areas in which the Office of Education can provide assistance. Thus, each question of the progress report is best considered as a discussion topic to help assess current status and future directions for your research as well as your career goals. For example, the first discussion point is "Discuss the progress that has been made to accomplish the established research goals and career goals." Similarly, the next question asks for "specific research and training goals for the next year."

However, many progress reports come to my office that only focus on research progress, with no mention of career development goals. When I see this, I sometimes contact the fellow and ask them for a revised progress report. This has sometimes triggered a response from their advisor that indicates that the fellow did not participate at all in the review process, but only signed the form

to indicate that they had received a copy. On other occasions, the fellow responds and admits that they were not part of the process and is happy to provide the information that shows that they are cognizant of their career goals. Another result is that I find that the fellow is, in fact, having trouble identifying their career goals and welcomes help in this process.

Because this annual review was instituted to help fellows, we'd like to make it as useful as possible. One way is for each of you to let your advisor know that you should be included in the process, and answer the questions jointly. Another is to provide your own self-assessment of your progress towards your goals by separately answering the questions. Either way will provide you with the insight to guide your next steps in career development. Finally, you are all encouraged to make an appointment with the Office of Education for a personal consultation on career development.

New NHLBI Fellows



Dr. Jae Won Jung is a recent member of the Laboratory of Biological Genetics under the supervision of Dr. Jay Chung. Dr. Jung received his Ph.D. in Biochemistry from Yonsei University, Seoul, Republic of Korea. He will be working on approaches to understanding diabetes.



Dr. Zhen Dan Shi has recently joined the Molecular Probes Initiative as a Visiting Fellow under the supervision of Dr. Gary Griffiths. Dr.



Shi received his Ph.D. in Organic Chemistry from the Shanghai Institute of Organic Chemistry, China. Zhen comes to the NHLBI after a four year tenure in the Laboratory of Medicinal Chemistry at the NCI. While at the NHLBI, Dr. Shi will be developing new molecular probes for imaging.

Dr. Yasuhiro Terasaki is a Visiting Fellow in Joel Moss' lab in the Pulmonary and Critical Care Medicine Branch. He received his M.D. from the Kumamoto University School of Medicine in Japan, and then took further

training in Pulmonary Pathology. His project will focus on molecular pathologic approaches to Lymphangioleiomyomatosis (LAM).



Ms. Valeria Visconte has recently joined the Hematology Branch as a predoctoral fellow under the supervision of Dr. Neal Young. Ms. Visconte is currently working on her Ph.D. in Molecular Pathology and Fisiopathology at the University of Naples, Italy. Her project entails studies of the basis of paroxysmal nocturnal hemoglobinuria and aplastic anemia.

Recent Publications by NHLBI Fellows

- Burton R. A.**, Tsurupa G., Medved L. and Tjandra N. (2006) Identification of an ordered compact structure within the recombinant bovine fibrinogen alpha C-domain fragment by NMRT. *Biochem.* 45, 2257-2266.
- Citterio C., Jones H. D.**, Pacheco-Rodriguez G., **Islam A.**, Moss J. and Vaughan M. (2006) Effect of protein kinase A on accumulation of brefeldin A-inhibited guanine nucleotide-exchange protein 1 (BIG1) in HepG2 cell nuclei. *Proc. Natl. Acad. Sci. U. S. A* 103, 2683-2688.
- Islam A., Adamik B.**, Hawari F. I., Ma G., Rouhani F. N., **Zhang J.** and Levine S. J. (2006) Extracellular TNFRI release requires the calcium-dependent formation of a nucleobindin 2-ARTS-1 complex. *J. Biol. Chem.* 281, 6860-6873.
- Kato G. J.**, McGowan V., Machado R. F., Little J. A., Taylor J., Morris C. R., Nichols J. S., Wang X. D., Poljakovic M., Morris S. M. and Gladwin M. T. (2006) Lactate dehydrogenase as a biomarker of hemolysis-associated nitric oxide resistance, priapism, leg ulceration, pulmonary hypertension, and death in patients with sickle cell disease. *Blood* 107, 2279-2285.
- Luo S.**, Wehr N. B. and Levine R. L. (2006) Quantitation of protein on gels and blots by infrared fluorescence of Coomassie blue and Fast Green. *Anal. Biochem.* 350, 233-238.
- Raval A. N., Karmarkar P. V.**, Guttman M. A., Ozturk C., **Sampath S., DeSilva R.**, Aviles R. J., Xu M. N., Wright V. J., Schenke W. H., Kocaturk O., Dick A. J., **Raman V. K.**, Atalar E., McVeigh E. R. and Lederman R. J. (2006) Real-time magnetic resonance imaging-guided endovascular recanalization of chronic total arterial occlusion in a swine model. *Circulation* 113, 1101-1107.
- Savani P. N.**, Dunbar C. E. and Rick M. E. (2006) Combination therapy with rFVIIa and platelets for hemorrhage in patients with severe thrombocytopenia and alloimmunization. *Am. J. of Hematol.* 81, 218-219.
- Shen X. Y., Xu K. F., Fan Q. Y.**, Pacheco-Rodriguez G., Moss J. and Vaughan M. (2006) Association of brefeldin A-inhibited guanine nucleotide-exchange protein 2 (BIG2) with recycling endosomes during transferrin uptake. *Proc. Natl. Acad. Sci. U. S. A* 103, 2635-2640.
- Vergarajauregui S.** and Puertollano R. (2006) Two di-leucine motifs regulate trafficking of mucolipin-1 to lysosomes. *Traffic* 7, 337-353.
- Wu W. W., **Wang G. H.**, Baek S. J. and Shen R. F. (2006) Comparative study of three proteomic quantitative methods, DIGE, cICAT, and iTRAQ, using 2D gel- or LC-MALDI TOF/TOF. *J. Proteome Res.* 5, 651-658.

Jessica's Corner

Greetings Friendly Fellows! I would like to thank all of you for your warm welcome and for registering for the 4th Annual Fellows Retreat! I am certain that it will be an enlightening and enjoyable time for everyone! This month, I would like to leave you with an inspirational quote from American Anthropologist, Margaret Meade: "Never believe that a few caring people can't change the world. For indeed they are the only ones who ever have."

Come to the
Career Development Seminar
Tuesday, April 11th, Noon, 10/7S235
Presentation
"Immigration Issues for Foreign Researchers"
Ms. Amy Powers
NIH Division of International Services

