



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

January 2005 Fellows Newsletter

From the Director of the Office of Education:

Several of you have approached me concerning the new requirement for annual Progress Reports to be submitted for IRTA and Visiting Fellows. This report needs to be filled out prior to renewal of your fellowship. Most of you are used to having annual reports (often filed after you have had a committee meeting) while you were in graduate school, but some of you will be new to the process. Moreover, the process is slightly different from the report used for Research and Clinical Fellows, who must be evaluated according to criteria established by the NIH.

The major goals of this report are to provide guidance in 1) definition of career goals; 2) identification of strengths and weaknesses towards achieving these goals and 3) you and your mentor are both in agreement as to your past achievements and future directions. It is not meant to be an evaluation, but is meant to clarify the major issues that define the training experience. I use the reports to identify issues that can be addressed by my office, both for individuals who need specific assistance, and for groups of fellows who could benefit from career development activities.

Because this is a new procedure, we welcome your feedback on how useful it was and suggestions for improvement.

NHLBI Lenfant Award Winner

Congratulations to **Dr. Robert Fenton**, Laboratory of Kidney and Electrolyte Metabolism on receipt of the Lenfant Award. This award is given to identify outstanding achievements by NHLBI fellows. He will present a seminar on his work on Monday, January 31 at 2:30 PM in Lipsett Auditorium.

The next deadline for Lenfant fellowships will be April 1, 2005.

New NHLBI Fellows



Dr. Morgan Gallazzini has recently joined the Laboratory of Kidney and Electrolyte Metabolism under the supervision of Dr. Maurice Burg as a Visiting Fellow. Dr. Gallazzini earned his M.S. in

Molecular and Cellular Biology and Ph.D. in Physiology and Physiopathology at University Pierre et Marie Curie in Paris, France in 2003.



Dr. Mohiuddin Hadi has recently joined the Cardiovascular Branch as a Visiting Fellow under the supervision of Dr. Jonathan Plehn. Dr. Hadi completed his Bachelor of Surgery (MBBS) degree in 2000 and M.D. in Nuclear Medicine at All India Institute of Medical Sciences in

New Delhi, India in 2004.



Dr. Jingqiong Hu is a Visiting Fellow who has recently joined the Hematology Branch under the supervision of Dr. Cynthia Dunbar. Dr. Hu earned her M.D. at Institute of Molecular Medicine and Cell Research, University of Freiburg, Germany in 2004. She also completed her M.S. in Neurology at Tongji Medical University in Wuhan, China in 2002.

Save the Date - May 12- 13 2005

2005 NHLBI Fellows Retreat

Harbortowne Conference Center, St. Michaels Maryland

Registration and Abstract Submission opens March 1



Dr. Mikhail Konoplyannikov is currently working in the Cardiovascular Branch under the supervision of Dr. Manfred Boehm as a Visiting Fellow. He earned his M.S. in Biotechnology in 1996 at Moscow State Academy of Fine Chemical Technology in Moscow, Russia. He then earned his Ph.D. in Biophysics at the Institute of Chemical Physics, Russian Academy of Sciences in Moscow, in 2000.



Dr. Smita Sampath joined the Laboratory of Cardiac Energetics under the supervision of Dr. Elliot McVeigh as a Visiting Fellow. Dr. Sampath earned an M.S. in Bioengineering at Texas A & M University, College Station, Texas in 1998. She then obtained an M.S. in 2000 and a Ph.D. in 2004, both in Electrical and Computer Engineering at Johns Hopkins University, Baltimore, Maryland.



Dr. Sruti Shiva joined the Cardiovascular Branch under the supervision of Dr. Mark Gladwin as an IRTA Fellow. She will receive her Ph.D. from the University of Alabama at Birmingham.



Recent Publications by NHLBI Fellows

Cai, Q., Dmitrieva, N. I., Ferraris, J. D., Brooks, H. L., van Balkom, B. W., and Burg, M. Pax2 expression occurs in renal medullary epithelial cells in vivo and in cell culture, is osmoregulated, and promotes osmotic tolerance. *Proc. Natl. Acad. Sci.*, 2004.

Crooks, D. M., Pacheco-Rodriguez, G., DeCastro, R. M., McCoy, J. P., Jr., Wang, J. A., Kumaki, F., Darling, T., and Moss, J. Molecular and genetic analysis of disseminated neoplastic cells in lymphangioliomyomatosis. *Proc. Natl. Acad. Sci.*, 101: 17462-17467, 2004.

Elshal, M., Khan, S., Solomon, M., and McCoy, J. P. Characterization of CD146 expression on peripheral blood lymphocytes. *Cytometry Part B-Clinical Cytometry*, 62B: 62-63, 2004.

Ennis, D. B., Kindlman, G., Rodriguez, I., Helm, P. A., and McVeigh, E. R. Visualization of tensor fields using superquadric glyphs. *Magn Reson. Med.*, 53: 169-176, 2004.

Ganesh, S. K., Skelding, K. A., Mehta, L., O'Neill, K., Joo, J., Zheng, G., Goldstein, J., Simari, R., Billings, E., Geller, N. L., Holmes, D., O'Neill, W. W., and Nabel, E. G. Rationale and study design of the CardioGene Study: genomics of in-stent restenosis. *Pharmacogenomics*, 5: 949-+, 2004.

Gonzalez-Navarro, H., Nong, Z. X., Amar, M. J. A., Shamburek, R. D., Najib-Fruchart, J., Paigen, B. J., Brewer, H. B., and Santamarina-Fojo, S. The ligand-binding function of hepatic lipase modulates the development of atherosclerosis in transgenic mice. *Journal of Biological Chemistry*, 279: 45312-

45321, 2004.

Jeong, J. S., Rouault, T. A., and Levine, R. L. Identification of a heme-sensing domain in iron regulatory protein 2. *Journal of Biological Chemistry*, 279: 45450-45454, 2004.

Kim, Y. J., Sekiya, F., Poulin, B., Bae, Y. S., and Rhee, S. G. Mechanism of B-cell receptor-induced phosphorylation and activation of phospholipase C-gamma 2. *Molecular and Cellular Biology*, 24: 9986-9999, 2004.

Ozaki, K., Spolski, R., Ettinger, R., **Kim, H. P.**, Wang, G., **Qi, C. F.**, Hwu, P., Shaffer, D. J., Akilesh, S., Roopenian, D. C., Morse, H. C., Lipsky, P. E., and Leonard, W. J. Regulation of B cell differentiation and plasma cell generation by IL-21, a novel inducer of blimp-1 and bcl-6. *Journal of Immunology*, 173: 5361-5371, 2004.

Wang, J., Boja, E. S., Oubrahim, H., and Chock, P. B. Testis brain ribonucleic acid-binding protein/translin possesses both single-stranded and double-stranded ribonuclease activities. *Biochemistry*, 43: 13424-13431, 2004.

Zeng, R., Spolski, R., Finkelstein, S. E., Oh, S., Kovanen, P. E., Hinrichs, C. S., Pise-Masison, C. A., Radonovich, M. F., Brady, J. N., Restifo, N. P., Berzofsky, J. A., and Leonard, W. J. Synergy of IL-21 and IL-15 in regulating CD8+ T cell expansion and function. *J. Exp. Med.*, 201: 139-148, 2005.

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