



Office of Education, Division of Intramural Research
National Heart, Lung, and Blood Institute
May 2005 Fellows Newsletter

From the Director of the Office of Education:

The Fellows Advisory Committee is initiating a "Work in Progress" hour for NHLBI Fellows on the 3rd Wednesday of each month at 4:30 PM. This is an opportunity for fellows to present short talks about their work in an informal setting, followed by a social gathering. Refreshments will be provided. The first session is on April 19th at 4:30 PM in the 2nd Floor conference room of Bldg. 50. Dr. Lina Li of the Laboratory of Molecular Immunology and Dr. Philip Padilla of the Pulmonary Critical Care Medicine Branch will be presenting. I hope to see you there.

I would like to remind you once again that the Fellows Retreat will be held on May 12-13th this year at the Harbortowne Conference Center. Our featured speakers are Richard P. Lifton M.D., Ph.D., Chairman, Department of Genetics, and Professor of Medicine (Nephrology), Genetics & Molecular Biophysics & Biochemistry, at Yale, and Lee Hood, M.D, Ph.D, President of the Institute of Systems Biology. In addition, we have a panel of experts who will talk about careers in Academia, Venture Capitalism, Government Research and the Pharmaceutical Industry.

A major feature of the retreat is the Poster session for you to present your research. Two fellows will receive \$1000 Fellows Awards based on the research presented in the poster. In addition, we will have lots of time for social interactions, including a DJ on Thursday evening. The web site <http://dir-intranet.nhlbi.nih.gov/oe/2005-dir-retreat.asp> is now open. There are only a limited number of rooms, so please register and submit your poster as early as possible to guarantee your place. The registration deadline is April 10th.

As always, I am eager to hear from you about potential activities that you would like to have sponsored by our office.

New NHLBI Fellows



Dr. Atushi Kasamatsu completed his D.D. S. from Nihon University, School of Dentistry at Matsudo, Japan in 1998. He recently earned his Ph.D. in Molecular Biology from Graduate School of Medicine, Chiba University, Japan in March 2005. Dr. Kasamatsu is currently working at the Pulmonary Critical Care Medicine Branch as a Visiting Fellow under the supervision of Dr. Joel Moss.



Dr. Fuminobu Kuroda is a Visiting Fellow who has recently joined the Laboratory of Pulmonary Critical Care Medicine Branch under the supervision of Dr. Joel Moss. Dr. Kuroda earned his M.D. from the Kyorin University School of Medicine in Japan in 1996. He then completed his Ph.D. from Graduate School of Medical and Pharmaceutical Sciences in Chiba, Japan. Dr. Kuroda is currently working on....



Dr. Linda Passaro earned her B.S. in Chemistry at Marist College, Poughkeepsie, New York in 1995. She then completed her Ph.D. in Organic Chemistry from the College of Environmental Social and Forestry at State University of New York, Syracuse, NY in 2001. Dr. Passaro is currently working at the Cardiovascular Branch under the supervision of Dr. Mark Gladwin. She is working on "Enzymatic Function of Hemoglobin as a Nitrite Reductase".



Dr. Edgar Rizzatti has recently joined the Hematology Branch as a Visiting Fellow under the supervision of Dr. Adrian Weistner. Dr. Rizzatti completed his M.D. from the University of São Paulo at Ribeirão Preto Medical School, SP, Brazil in 1998. University São Paulo at Ribeirão Preto Medical School was where he also complete his Ph.D. in 2005. Dr. Rizzatti is working on "investigating the effects and molecular sequelae of proteasome inhibition in mantle cell lymphoma."



Dr. Weixing Shen is a Visiting Fellow who has recently joined the Laboratory of Pulmonary Critical Care Medicine Branch under the supervision of Dr. Vincent Manganiello. Dr. Shen received his Bachelor of Medicine in Traditional Chinese Medicine from Nanjing University, China in 1993. He then also completed his M.S. in Medical Sciences at Nanjing University in 2000.



Dr. Shiwei Song completed his M.D. at Beijing Medical University, Beijing, China in 1987. He later completed his Ph.D. in Molecular & Cellular Biology at Oregon State University in 2005. Dr. Song is currently working at the Cardiovascular Branch as a Visiting Fellow under the supervision of Dr. Toren Finkel. Dr. Song is working on "Search for the genes regulating mitochondrial functions" and "Investigate the role of PINK1 protein in the pathogenesis of Parkinson's disease."

*Recent Publications by
NHLBI Fellows*

Honda A., Al-Awar O. S., Hay J. C. and Donaldson J. G. (2005) Targeting of Arf-1 to the early golgi by membrin, an ER-Golgi SNARE. *J. Cell. Biol.* 168, 1039-1051.

Lee D. W., Zhao X. H., **Scarselletta S.**, Schweinsberg P. J., Eisenberg E., Grant B. D. and Greene L. E. (2005) ATP binding regulates oligomerization and endosome association of RME-1 family proteins. *J. Biol. Chem.* 280, 17213-17220.

McCarthy J., **McLeod C. J.**, Minners J., Essop M. F., Ping P. P. and Sack M. N. (2005) PKC is an element of activation augments cardiac mitochondrial respiratory post-anoxic reserve - a putative mechanism in PKC is an element of cardioprotection. *J. Mol. Cell. Cardiol.* 38, 697-700.

Peng Z. and Beaven M. A. (2005) An essential role for phospholipase D in the activation of protein kinase C and degranulation in mast cells. *J. Immunol.* 174, 5201-5208.

Rhee S. G., Yang K. S., Kang S. W., **Woo H. A.** and Chang T. S. (2005) Controlled elimination of intracellular H₂O₂: Regulation of peroxiredoxin, catalase, and glutathione peroxidase via post-translational modification. *Antiox. Redox Sig.* 7, 619-626.

Rhee S. G., Kang S. W., Jeong W., Chang T. S., Yang K. S. and **Woo H. A.** (2005) Intracellular messenger function of hydrogen peroxide and its regulation by peroxiredoxins. *Curr. Opin. Cell Biol.* 17, 183-189.

Rothstein E. C. and Lucchesi P. A. (2005) Redox control of the cell cycle: A radical encounter. *Antiox. Redox Sig.* 7, 701-703.

Sachdev V., **Shizukuda Y.**, Brenneman C. L., Birdsall C. W., Waclawiw M. A., Arai A. E., Mohiddin S. A., Tripodi D.,

Fananapazir L. and Plehn J. F. (2005) Left atrial volumetric remodeling is predictive of functional capacity in nonobstructive hypertrophic cardiomyopathy. *Am. Heart J.* 149, 730-736.

Wei C. J., **Francis R.**, **Xu X.** and Lo C. W. (2005) Connexin43 Associated with an N-cadherin-containing Multiprotein Complex Is Required for Gap Junction Formation in NIH3T3 Cells. *J Biol. Chem.* 280, 19925-19936.

Zhao H. T., Joseph J., Fales H. M., Sokoloski E. A., Levine R. L., Vasquez-Vivar J. and Kalyanaraman B. (2005) Detection and characterization of the product of hydroethidine and intracellular superoxide by HPLC and limitations of fluorescence. *Proc. Natl. Acad. Sci. U. S. A* 102, 5727-5732.

Zheng G., Joo J., **Ganesh S. K.**, Nabel E. G. and Geller N. L. (2005) On averaging power for genetic association and linkage studies. *Hum. Hered.* 59, 14-20.

Zheng W. J., Brooks B. R., Doniach S. and Thirumalai D. (2005) Network of dynamically important residues in the open/closed transition in polymerases is strongly conserved. *Structure* 13, 565-577.

Zheng W. J. and Brooks B. R. (2005) Normal-modes-based prediction of protein conformational changes guided by distance constraints. *Biophys. J.* 88, 3109-3117.

Come to the
Career Development Seminars
2nd Tuesday of Each Month
Noon
7S235

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Dr. Herbert M. Geller, Director.