Welcome Dr. Cheryl London

Cheryl A. London, DVM, PhD, Associate Professor, began her appointment in the Department of Veterinary Biosciences and the Department of Clinical Sciences on October 1, 2005. She is an accomplished scholar in veterinary and comparative oncology and uniquely qualified. Dr. London is among only a handful of veterinary oncologists in the world that are funded by the National Cancer Institute to conduct translational cancer research. She has an established record of sponsored research from extramural and intramural sources. She currently is principal investigator for a National Institutes of Health (NIH) R01 grant and is involved in active clinical trials in the area of veterinary oncology. Her work bridges findings from basic science to clinically relevant applications. She has published extensively in high quality scientific publications. Her recent work is focused on the role of tyrosine kinases (e.g., c-KIT), which integrates well with NIH funded investigators within the College and at the OSU, Comprehensive Cancer Center. Dr. London has received outstanding training at some of the best institutions in the United States including Harvard University. She has an excellent record of mentoring graduate students and postdoctoral fellows. Dr. London has established a strong commitment to teaching despite her having a major commitment to research. Dr. London is an excellent educator who has applied innovative approaches to her teaching. She will join a group of dedicated clinicians and scientists at the College who are joined together in the Comparative Oncology Signature Program. Welcome and best of luck Dr. London!

Comparative Oncology Program Brings Clinicians and Scientists Together

The mission of the Comparative Oncology Signature Program is to improve the care and treatment of veterinary oncology patients by interdisciplinary collaborative efforts within the OSU College of Veterinary Medicine, the University biomedical community, and nationwide. This will be accomplished by enhanced diagnostic capabilities, state-of-the-art treatment, clinical trials, and translational medicine supported by both basic and clinical research. Education of professional and graduate students, faculty, and the public will be a vital component of this process. The overarching goal is a better understanding of the pathogenesis of cancer in all species, which will ultimately lead to optimized therapeutic modalities, improved quality of life for veterinary oncology patients and a stronger human-animal bond. See http://www.vet.ohiostate.edu/comparativeOncology.htm for additional information.
Wellness Tip – Winter Foods that Boost Health

Take advantage of seasonal vegetables to boost your potassium intake. Winter squashes such as acorn squash and butternut squash are high in potassium, a mineral your body needs to support cardiovascular, bone, and kidney health.

The optimum dose of this mineral is 3,000 milligrams per day. Add cubed or mashed squash to soups, stews, casseroles, and stir-frys for extra flavor and nutrition. One cup of cubed squash contains almost 900 milligrams of potassium. Winter squash varieties include acorn, spaghetti, butternut, turnip, hubbard, banana, and carnival. These potassium-rich gourds can be baked, boiled, or steamed until the flesh is tender. Serve up squash as a side dish by pureeing butternut squash with a bit of olive oil, lime juice, and nutmeg. Or, serve it up as the main course by making a savory soup out of butternut squash, carrots, apples, sweet potatoes, olive oil, chives, and spices. Other good sources of potassium include dried peaches and apricots, potatoes, bananas, watermelon, tomato paste, and yogurt.

December Holidays: Offices Closed   December 26th (Christmas Day) & December 27th (President’s Day observed)

Selected Recent Grants/Publications/Presentations/Awards/Appointments

● Congratulations Laurie Millward. Laurie will be presented with the Student Recognition Award on December 2 at the Board of Trustees Meeting at the Longaberger Alumni House. After completion of her DVM program in June, 2006, Laurie will join the Department of Veterinary Biosciences’ graduate program in Veterinary Clinical Pathology.

● Dr. Lynne Olson presented a poster at the Responsible Conduct of Research Expo 05 in Milwaukee October 17-18, 2005. The Expo was held in conjunction with SRA International (Society of Research Administrators International). The poster was titled “Assessment Tools for Evaluating University RCR Programs” and represented the project that was funded by the Office of Research Integrity last year.

● Dr. Barnabe Assogba received a Keystone Symposia travel scholarship to present his work at the upcoming meeting on Pathogen-Host Standoff: Persistent and Latent Infection, Jan 5 - Jan 10, 2006, Keystone, Colorado.

● Invited presentation: Dr. Michael Lairmore, Centers for Disease Control and Prevention, Invited Speaker, “Role of HTLV-1 p12 in T-cell Activation and Virus Replication”, Atlanta, Georgia, Oct. 21, 2005.


● Invited speaker/presentations: Dr. Patrick Green - Institut fur Klinische und Molekulare Virologie, Universitat Erlan-Nurnberg, Germany 17th Workshop on Retroviral Pathogenesis. St. Malo, France.

● Congratulations Janelle Henderson. Janelle was admitted as a part-time student in the Master of Labor and Human Resources degree program in the Fisher College of Business. She is now BOTH the Graduate Program Coordinator and a Grad Student.

● SPOTLIGHT Article: Articles of Significant Interest Selected by the Editors. Viral Env Determines HTLV Distinct T-Cell Transformation Tropism HTLV-1 and HTLV-2 are highly related complex retroviruses that infect various cell types but only immortalize or transform distinct T-lymphocyte populations in culture. HTLV-1 has a preferential tropism for CD4 T lymphocytes, whereas HTLV-2 preferentially transforms CD8 T lymphocytes. Xie and Green (p. 14536-14545) used infectious HTLV-1 and HTLV-2 recombinants to identify the viral env gene as a major genetic determinant of the distinct HTLV T-cell transformation tropism in vitro. These findings provide strong evidence implicating a postentry contribution of Env to transformation tropism and ultimately the distinct pathobiologies associated with HTLV-1 and HTLV-2 infections.

● Akiko Niinuma, Masaya Higuchi, Masahiko Takahashi, Masayasu Oie, Yuetsu Tanaka, Fumitake Gejyo, Nobuyuki Tanaka, Kazuo Sugamura, Li Xie, Patrick L. Green, and Masahiro Fujiy Aberrant Activation of the Interleukin-2 Autocrine Loop through the Nuclear Factor of Activated T Cells by Nonleukemogenic Human T-Cell Leukemia Virus Type 2 but Not by Leukemogenic Type 1 Virus J. Virol. 2005 79: 11925-11934.

“My home is not a place, it is people.”
- Lois McMaster Bujold

Send comments to Jan Roseberry, roseberry.1@osu.edu. Visit the OSU Department of Veterinary Biosciences website: http://www.vet.ohio-state.edu/biosciences.htm