

ONKOS

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The 7th Annual OSUCCC Meeting

On Friday, March 11, the OSUCCC held its seventh annual meeting at the NorthPointe Conference Center. The title of the meeting was "Advances in Neuro-oncology: From Molecular Mechanisms of Carcinogenesis to Novel Therapeutic Approaches." The scientific program was coordinated by Drs. Kathleen Boris-Lawrie, Michael Lairmore, and Antonio Chiocca, and the meeting was organized by Kathryn Froilan and Nancy Jones of the OSUCCC. More than 300 attendees heard talks from eight distinguished invited speakers. A total of 129 posters were presented; College of Veterinary Medicine faculty, staff, and students appeared as authors on 26 of these.



Highlights



Upcoming Seminars

- **OSUCCC Grand Rounds**
Friday, 8 AM
518 James Cancer Hospital
3/18: Dr. Byrd: Novel Therapies in CLL
- **Immunology Research in Progress**
Friday, 12 PM
1187 Graves Hall
3/18: Dr. Weber: Genetic Classification of Thyroid Follicular Neoplasia
3/18: Dr. Tada: Epigenetic Modulation of Tumor Suppressor Gene CCAAT/Enhancer Binding Protein a (C/EBPa) Activity in Lung Cancer
- **OSUCCC Special Seminar**
Tuesday, 12 PM
250 Parks Hall
3/22: Dr. Guo: Carbohydrate-based Cancer Vaccines and Targeted Drug Delivery
- **OSUCCC Viral Oncogenesis**
Thursday, 11 AM
1213 Ross Heart Hospital
3/24: Dr. Lawler: The Herpes Simplex Virus Amplicon System: A Novel Tool for Gene Therapy and Functional Genomics
RSVP: 293-5521
- **Molecular Biology and Cancer Genetics Series**
Wednesdays, 12 PM
518 James
4/6: Dr. Pollard: The Tumor Stroma Influences Tumor Progression and Malignancy

Comparative Oncology Program Newsletter



New! Flow Immunophenotyping for Dogs and Cats

Flow immunophenotyping for canine and feline samples is now available. A special thanks to the oncology service who submitted samples from September-February for us to optimize our panel and work the bugs out of the system!

The current price is \$65. Right now we can only do canine and feline samples. If there is strong desire and suitable case load for other species, please contact me directly for discussion and we can determine if there is adequate availability of reagents.

Prior to sample submission, please check with Sarah Leavell (247-8025), our flow operator, to be sure she is in town. In addition, if you have questions regarding the optimal specimen or collection requirements, please contact Sarah.

Samples need to be submitted and charged through the Clinical Pathology Laboratory. Whole blood, BM, and aspirates should be submitted in EDTA or citrate. Fluids (unless clotting for some reason) can be submitted in clot tubes. Tissues should be submitted in media with 10% bovine serum (tubes available in clinical pathology or call 7-8025).

Currently these are being treated similarly to send-outs in that there is also a paper form to be filled out for submission. Data from samples received in the immunophenotyping laboratory by noon M-F will be available by noon the following day. Data from samples received after noon M-Th will be available by 5pm the following day. Samples will not be accepted after noon on Friday. Report will be placed in submitting clinician's mailbox (downstairs, outside of ClinPath Hall) and a summary will be entered electronically into the patient's record through the clinical pathology laboratory.

Mary Jo Burkhard DVM, PhD, DACVP
Assistant Professor

Please notify Dr. Kusewitt (kusewitt.1@osu.edu) about any upcoming cancer-related seminars or conferences



Recent Publications

- Kosarek CE, Kisseberth WC, Gallant SL, Couto CG: Clinical evaluation of gemcitabine in dogs with spontaneously occurring malignancies. *J Vet Intern Med* 2005; 19:81-86.
- Bras ID, Gemensky-Metzler AJ, Kusewitt DF, Colitz CM, Wilkie DA. Immunohistochemical characterization of a malignant intraocular teratoid medulloepithelioma in a cockatiel. *Vet Ophthalmol* 2005; 8:59-65.
- Colitz CM, Bomser JA, Kusewitt DF. The endogenous and exogenous mechanisms for protection from ultraviolet irradiation in the lens. *Int Ophthalmol Clin.* 2005; 45:141-55.
- Savagner P, Kusewitt DF, Carver EA, Magnino F, Choi C, Gridley T, Hudson LG. Developmental transcription factor slug is required for effective re-epithelialization by adult keratinocytes. *J Cell Physiol.* 2005; 202:858-66.
- Blaser BW, Roychowdhury S, Kim DJ, Schwind NR, Bhatt D, Yuan W, Kusewitt DF, Ferketich AK, Caligiuri MA, Guimond M. Donor-derived IL-15 is critical for acute allogeneic graft-versus-host disease. *Blood.* 2005; 105:894-901.

New Funding

- ACVIM Foundation Grant: Couto CG, Lara A, Iazbik MC, Brooks M: Hemostatic abnormalities in Greyhounds. 2004-2005, \$10,000.
- National Institutes of Health/NCI: Dhabhar F, Oberyszyn T, Kusewitt D, Sheridan J: Stress and UV-induced squamous cell carcinoma. 2005-2009, \$1,250,000.
- Susan G. Komen Breast Cancer Foundation: Liu J, Rosol TJ, Mattoon J, Shapiro C, Ruessegue: Imaging Breast Cancer Markers with Nanoparticle Enhanced Ultrasound. 2005-2007, \$249,604.

Special Seminar: Real Time PCR

Please join us for a special seminar hosted by the The Nucleic Acid Shared Resource of the Comprehensive Cancer Center. Doug Rains, Field Application Specialist from Applied Biosystems will present "A comprehensive discussion on using Real-Time PCR technology to do relative gene expression and SNP genotyping." The lecture will take place at noon, March 22, 2005 in The Ross Heart Hospital Auditorium (Room 1213). Lunch is available; we ask that you RSVP to 293-3304.

2005 Meetings

- Keystone Symposia: "Genome Instability and Repair" – March 15-20, 2005. www.keystonesymposia.org/Meetings/ListMeetings.cfm
- Academy of Molecular Imaging: Annual Conference – March 19-23, 2005. www.ami-imaging.org
- Keystone Symposia: "Basic Aspects of Tumor Immunology" – March 19-24, 2005. www.keystonesymposia.org/Meetings/ListMeetings.cfm
- Keystone Symposia: "Roles of TGF-beta in Disease Pathogenesis: Novel Therapeutic Strategies" – March 28-April 2, 2005. www.keystonesymposia.org/Meetings/ListMeetings.cfm
- Medical College of Georgia: "Postgraduate Course on Gynecologic Cancer 2005" – April 13-16, 2005. www.memorialhealth.com
- Cambridge Healthtech Institute: "RNAi for Pathway Analysis" – May 16-18, 2005. www.healthtech.com/2005/rpa/pdf.asp
- American Association for Cancer Research: AACR 96th Annual Meeting - April 16-20, 2005. www.aacr.org/
- Univ. of California: "Cancer Metastasis and the Lymphovascular System: Basis for Rational Therapy" – April 28-30, 2005. www.cme.ucsf.edu
- Case Comprehensive Cancer Center: "Signaling in Cancer" May 23-24, 2005. www.irelandcancercenter.org/events.htm
- Harvard Medical School: "Critical Issues in Tumor Microcirculation, Angiogenesis and Metastasis" – June 6-9, 2005. www.cme.hms.harvard.edu
- Gordon Research Conferences: "Hormone Action in Development and Cancer" – July 10-15. www.grc.uri.edu/programs/2005
- Univ. of Nebraska: "2005 Pan-Pacific Lymphoma Conference" – July 11-15, 2005. conted@unmc.edu

Congratulations!

Sarah Tannehill-Gregg, DVM recently defended her PhD dissertation and has met all the requirements for her PhD degree. Sarah was funded by a research career award (K08) from the National Cancer Institute and received multiple research awards for her work on parathyroid hormone-related protein in squamous cell carcinoma. Sarah heads to Bristol-Myers-Squibb Pharmaceutical Company in Evansville, Indiana as a board-certified veterinary pathologist in April.



Gordon Research Conference

The 2005 Gordon Research Conference on Hormone Action in Development & Cancer will be held July 10 to 15, 2005 at the Tilton School in Tilton, New Hampshire, USA. The conference co-chairs are Maarten Bosland of New York University, Darcy Kelley of Columbia University, and Cheryl Walker of the University of Texas.

An exciting roster of speakers has been assembled, and a large number of participants is anticipated. As a past attendee of this Gordon Research Conference, we hope you will apply and submit an abstract again this year.

Here is a link to the program as it appears on the Gordon Research Conferences web site:
<http://www.grc.org/programs/2005/hormone.htm>