

POINTS OF INTEREST

DEPARTMENT OF BIOMEDICAL SCIENCES

A NEW YEAR AND A NEW LOOK

That's right folks! Your favorite department newsletter is getting a new look! As we start our 6th volume we thought it was time to mix things up a bit with a new look and maybe even some new features! That's where you folks come in!



If you have any ideas for new items you'd like to see in the newsletter, send your ideas to mrl34@cornell.edu. Small prizes will be awarded for the best ideas that make it into our bimonthly publication.

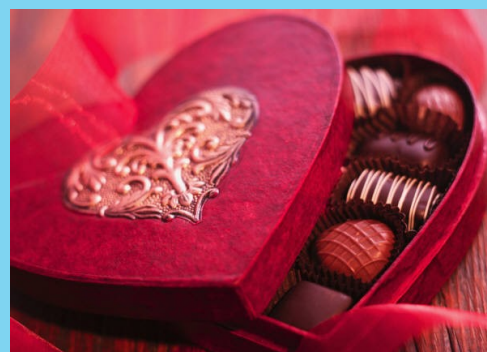


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NEW EQUIPMENT AVAILABLE

Cornell Imaging announces the acquisition of two new instruments to be housed in the Weill basement imaging space:

- 1) A laser-capture microdissection system (Zeiss PALM) for extracting regions-of-interest from tissue sections or other thin specimens for further RNA, DNA, or proteomics analysis.
- 2) A spinning disk confocal microscope (Andor/Olympus Revolution) for fast, live or high-throughput imaging of cell cultures or other fluorescent specimens. This instrument has 4 excitation lines, an environmental chamber with CO₂ and hypoxia control, a dedicated photobleaching apparatus and separate cameras for simultaneous collection of multiple channels.

Contact Bob Doran (rmd37, 3-4323) for more information.

WELCOME TO THE TEAM

The Department of Biomedical Sciences is pleased to announce that Ms. Patricia (Patti) Brenchley has accepted the Administrative Assistant position in our office (T4 018 VRT). Patti comes to us from the Baker Institute as the grants coordinator over the last 2 years. Patti began her career at Cornell in 1985 and has held various positions throughout the University of increasing responsibilities that included the Law School, College of Ag and Life Sciences and the Johnson Graduate School of Management to name a few. Patti will be supporting Dr. Roberson and Amy Pellegrino in coordinating/overseeing departmental special projects, visa coordinator/liason with ISSO for the department, distribution of departmental keys and obtaining after-hours access, dossier preparation, faculty support, as well as being a resource for the department on a variety of projects.

Please join me in welcoming Patti to the Department.



Patricia (Patti) Brenchley



Laura Shannon

This year's 2013 Northeastern Veterinary Pathology Conference, an annual event sponsored by the CL Davis Foundation, will be hosted by the Cornell University College of Veterinary Medicine on Saturday and Sunday April 6 & 7. Case presentations from trainees and pathologists in Anatomic and Clinical Pathology will be featured. The keynote address will be given by our own Dr. Donald H. Schlafer, Professor of Comparative Obstetrical and Gynecological Pathology here at Cornell.

For more information visit the CL Davis website at:

<http://www.cldavis.org/courses/upcoming.html#149>

**CORNELL UNIVERSITY TO HOST
THE 2013 NORTHEAST VET PATH
CONFERENCE!**

"The Boyko Lab would like to welcome their newest member, Laura Shannon, a postdoctoral associate with expertise in trait mapping, domestication and genomics. Laura comes from Dr. John Doebley's lab (University of Wisconsin) where she earned a Ph.D. in genetics this past December. Although she's the only person in the lab now that doesn't have a dog, we don't hold that against her... please stop by the 8th floor and say hi to Laura!"

PUBLICATIONS

1. Bianco, G., B. Fontanella, L. Severino, A. Quaroni, G. Autore, and S. Marzocco, *Nivalenol and deoxynivalenol affect rat intestinal epithelial cells: a concentration related study*. PLoS One, 2012. 7(12): p. e52051. <http://www.ncbi.nlm.nih.gov/pubmed/23251682>
2. Cherrington, B.D., S. Mohanan, A.N. Diep, R. Fleiss, D. Sudilovsky, L.J. Anguish, S.A. Coonrod, and J.J. Wakshlag, *Comparative analysis of peptidylarginine deiminase-2 expression in canine, feline and human mammary tumours*. Journal of comparative pathology, 2012. 147(2-3): p. 139-46. <http://www.ncbi.nlm.nih.gov/pubmed/22520816>
3. Gilbert, R.O. and S.S. Suarez, *Canine seminal plasma: Transport medium or signaling agent?* Veterinary journal, 2013. 195(2): p. 131-2. <http://www.ncbi.nlm.nih.gov/pubmed/23321454>
4. Johnston, A.N., S.A. Center, S.P. McDonough, J.J. Wakshlag, and K.L. Warner, *Hepatic copper concentrations in Labrador Retrievers with and without chronic hepatitis: 72 cases (1980-2010)*. Journal of the American Veterinary Medical Association, 2013. 242(3): p. 372-80. <http://www.ncbi.nlm.nih.gov/pubmed/23327181>
5. Kan, R., M. Jin, V. Subramanian, C.P. Causey, P.R. Thompson, and S.A. Coonrod, *Potential role for PADI-mediated histone citrullination in preimplantation development*. BMC developmental biology, 2012. 12: p. 19. <http://www.ncbi.nlm.nih.gov/pubmed/22712504>
6. Lewis, G.K., Jr., Z.R. Schulz, S.C. Pannullo, T.L. Southard, and W.L. Olbricht, *Ultrasound-assisted convection-enhanced delivery to the brain in vivo with a novel transducer cannula assembly: laboratory investigation*. Journal of neurosurgery, 2012. 117(6): p. 1128-40. <http://www.ncbi.nlm.nih.gov/pubmed/22998056>
7. Lob, H.E., D. Schultz, P.J. Marvar, R.L. Davisson, and D.G. Harrison, *Role of the NADPH Oxidases in the Subfornical Organ in Angiotensin II-Induced Hypertension*. Hypertension, 2013. 61(2): p. 382-7. <http://www.ncbi.nlm.nih.gov/pubmed/23248154>
8. Manchester, A.C., S. Hill, B. Sabatino, R. Armentano, M. Carroll, B. Kessler, M. Miller, B. Dogan, S.P. McDonough, and K.W. Simpson, *Association between Granulomatous Colitis in French Bulldogs and Invasive Escherichia coli and Response to Fluoroquinolone Antimicrobials*. Journal of veterinary internal medicine / American College of Veterinary Internal Medicine, 2013. 27(1): p. 56-61. <http://www.ncbi.nlm.nih.gov/pubmed/23206120>
9. Peralta, S., B.G. Collins, and B.G. Caserto, *Diagnostic imaging in veterinary dental practice*. Journal of the American Veterinary Medical Association, 2013. 242(1): p. 39-41. <http://www.ncbi.nlm.nih.gov/pubmed/23234279>
10. Reesink, H.L., J.W. Hermanson, J. Cheetham, L. Mu, L.M. Mitchell, L.V. Soderholm, and N.G. Ducharme, *Anatomic and neuromuscular characterisation of the equine cricothyroid muscle*. Equine veterinary journal, 2012. <http://www.ncbi.nlm.nih.gov/pubmed/23346975>
11. Schoenebeck, J.J., S.A. Hutchinson, A. Byers, H.C. Beale, B. Carrington, D.L. Faden, M. Rimbault, B. Decker, J.M. Kidd, R. Sood, A.R. Boyko, J.W. Fondon, 3rd, R.K. Wayne, C.D. Bustamante, B. Ciruna, and E.A. Ostrander, *Variation of BMP3 contributes to dog breed skull diversity*. PLoS genetics, 2012. 8(8): p. e1002849. <http://www.ncbi.nlm.nih.gov/pubmed/22876193>
12. Southard, T., H. Bender, S.E. Wade, C. Grunenwald, and R.W. Gerhold, *Naturally Occurring Parelaphostrongylus tenuis-Associated Choriomeningitis in a Guinea Pig With Neurologic Signs*. Veterinary pathology, 2012. <http://www.ncbi.nlm.nih.gov/pubmed/23238578>
13. Sundberg, J.P., H. Hogenesch, A.Y. Nikitin, P.M. Treuting, and J.M. Ward, *Training mouse pathologists: ten years of workshops on the Pathology of Mouse Models of Human Disease*. Toxicologic pathology, 2012. 40(5): p. 823-5. <http://www.ncbi.nlm.nih.gov/pubmed/22421749>
14. Young, C.N., D.A. Morgan, S.D. Butler, A.L. Mark, and R.L. Davisson, *The Brain Subfornical Organ Mediates Leptin-induced Increases in Renal Sympathetic Activity but not its Metabolic Effects*. Hypertension, 2013. <http://www.ncbi.nlm.nih.gov/pubmed/23357182>

**DEPARTMENT OF
BIOMEDICAL
SCIENCES**

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We're on the Web!

[http://www.vet.cornell.edu/
biosci/](http://www.vet.cornell.edu/biosci/)



DEPARTMENTAL SEMINAR SERIES

FEBRUARY 13

WED. 4:00pm, G10 BIOTECHNOLOGY

The Clive M. McCay Lectureship

Dr. Richard Weindruch, PhD

*Professor, Department of Medicine
University of Wisconsin-Madison*

"Caloric Restriction and Aging:
Past, Present & Future"

Hosted by [Dr. Maria Lujan](#), 255-3153
and [Dr. Mark Roberson](#), 253-3336

FEBRUARY 18

MON. 12:00pm, C2-537 CPC

Dr. Andrew Miller

*Instructor of Pathology
New England Primate Research Center
Harvard Medical School*

"Peripheral Neuropathy in Simian Immunodeficiency
Virus Infected Rhesus Macaques"

For info, contact [Lorraine Capogrossi](#), 253-3537

FEBRUARY 25

MON. 12:00pm, C2-537 CPC

Dr. Molly Murphy

*Resident, Anatomic Pathology
Department of Anatomic Pathology
Iowa State University*

"Molecular Epidemiology of Epizootic Hemorrhagic
Disease Viruses in the United States"

For info, contact [Lorraine Capogrossi](#), 253-3537

FEBRUARY 27

WED. 11:00am, VEC Lecture Hall II

Dr. Alice Liou

*Research Fellow
Obesity, Metabolism, & Nutrition Institute
Massachusetts General Hospital*

"The Role of the Gut Microbiota on the Metabolic
Outcomes of Roux-en-Y Gastric Bypass"

For info, contact [Elena Cestero](#), 253-3302

MARCH 4

MON. 12:00pm, C2-537 CPC

Dr. Kathleen Brennan

*Postdoctoral Fellow
Department of Molecular & Comparative Pathobiology
Johns Hopkins School of Medicine*

"The Role of CCR5 in HIV-Associated Diastolic
Dysfunction: Lessons from Animal Models"

For info, contact [Lorraine Capogrossi](#), 253-3537

MARCH 7

THUR. 11:00AM, VEC Lecture Hall II

Dr. Eyleen O'Rourke

*Postdoctoral Fellow
Department of Genetics
Harvard Medical School
Department of Molecular Biology
Massachusetts General Hospital
"Surviving without Food"*

For info, contact [Elena Cestero](#), 253-3302

MARCH 11

MON. 11:00am, VEC Lecture Hall II

Dr. Colin Young

*Postdoctoral Associate
Department of Biomedical Sciences
Cornell University*

"Title TBA"

For info, contact [Elena Cestero](#), 253-3302

MARCH 14

THUR. 11:00am, VEC Lecture Hall II

Dr. Bethany Cummings

*Assistant Project Biochemist
Department of Molecular Biosciences
University of California, Davis*
"Ileal Interposition and Vertical Sleeve Gastrectomy
Delay Type 2 Diabetes Onset in the UCD-T2DM
Rat: Role of GLP-1, bile acids, and ghrelin."
For info, contact [Elena Cestero](#), 253-3302

MARCH 18

MON. 11:00am, VEC Lecture Hall II

Dr. John Dominy

*Research Fellow
Department of Cell Biology
Dana Farber Cancer Institute*
"Novel Pathways Controlling PGC-1 alpha
Acetylation" and Hepatic Gluconeogenesis
For info, contact [Elena Cestero](#), 253-3302

