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Drs. Jianrong Li and Rachel Cianciolo Join VBS



In August, Jianrong Li, DVM, PhD and Rachel Cianciolo, VMD, PhD became the newest faculty members in VBS. Dr. Li is an associate professor of virology and immunology and Dr. Cianciolo is an assistant professor of anatomic pathology.

Dr. Li works primarily with two groups of viruses, caliciviruses and paramyxoviruses, both of which cause significant health, emotional, and economical burden worldwide. Within caliciviruses, human norovirus accounts for more than 95% of nonbacterial gastroenteritis. Among the paramyxoviruses, human metapneumovirus (hMPV), human respiratory syncytial virus (RSV), and human parainfluenza virus type 3 (hPIV3) account for more than 70% of acute viral respiratory diseases. Dr. Li's long term goal is to improve animal and human health.

Dr. Cianciolo will have a focus on teaching and diagnostic work in addition to heading the International Veterinary Renal Pathology Service. Her areas of expertise include comparative nephropathology, specifically the investigation of pathogenesis, epidemiology, and treatment of spontaneous kidney disease in veterinary species as models for renal disease in humans, the elucidation of the various etiologies of canine glomerulonephritides, the validation of novel urinary biomarker assays to detect renal injury and aid in prognostication, and the systemic effects of hypertension and metabolic syndromes in canines

Rosol Elected to AVMA Council on Research

Dr. Thomas Rosol has been elected by the national House of Delegates of the American Veterinary Medical Association in July at the AVMA national convention to a second three-year term on the Council on Research (2013-2016). Dr. Rosol was elected from nominees from different state associations and organizations. The AVMA Council on Research is composed of ten voting members and is advisory to the AVMA Executive Board. The Council promotes scientific investigation in all areas of veterinary medicine by maintaining liaison relationships with biomedical research organizations; recommending strategic alliances within and outside of veterinary medicine to support research that advances animal and human health; communicating with the veterinary profession, the biomedical research community, public agencies, and the general public to promote the role, significance, and relevance of veterinary biomedical research in improving animal and human health; establishing veterinary research priorities; providing recommendations on research policies and priorities; reviewing research grant proposals; selecting research award winners; and promoting the dissemination of research information.

Wu Receives Pilot Grant

Dr. Li Wu has been awarded a two-year pilot grant for anti-HIV drug discovery from the Ohio State University Center for Microbial Interface Biology (CMIB) AR-12 drug discovery program collaboration with ARNO Therapeutics, Inc.

Olson to Serve as Faculty Ombudsman

Professor emeritus, Lynn Olson will serve as the Faculty Ombudsman. The ombudsman serves as an advisor and mediator for faculty problems and operates with a few main responsibilities: advise faculty to help determine the viability of their complaints and issues; direct faculty to appropriate offices, committees and university rules and policies; mediate “early-stage complaints” as an unbiased party; and annually report the office’s activities to the Faculty Council in early autumn.

AWARDS

Elizabeth Clark, second-year Anatomic Pathology resident and Post Doctoral Fellow has been awarded a NIH T32 Mouse Models of Disease for her proposed study, “Investigating the mechanisms underlying the formation of tissue engineered vascular graft stenosis”. This project is being undertaken under the tutelage of Dr. Christopher Breuer in the Tissue Engineering Program and the Center for Cardiovascular and Pulmonary Research at Nationwide Children’s Hospital. More information on the program can be found at: <http://www.nationwidechildrens.org/surgery-research-and-innovations>



Melissa Hicks and **FeiFei Wang** were each awarded two-year C. Glenn Barber Fellowships. Ms. Hicks, a student in Dr. Jim DeWille’s lab, will study “*JUNB*, a potential biomarker for dual HER2 therapy resistance in HER2+ breast cancer?”. Ms. Wang, a student in Dr. Li Wu’s lab, will investigate “Phosphorylation of mouse *SAMHD1* regulates its restriction of retroviral infection in cells”. The Barber Fellowships foster mentored student-based research involving amino acids and their chemistry which includes, but is not restricted to molecular interactions between amino acids, peptides, proteins, protein-protein interactions or their encoding nucleic acids.

MEETINGS

Anatomic Pathology Residents Attend Annual Midwest Association of Veterinary Pathologists Meeting

Four cases were presented by three residents and one fourth-year veterinary student (L to R) at the 2013 MAVP Conference: “Cartilaginous embolism in a dog” - Elizabeth Clark, “Canine renal cell carcinoma, clear cell variant” – Lauren Himmel, “Cardiac hemangiosarcoma in a snake” – Maggie Shoemaker (Famke Aeffner), and “A case of pneumonia caused by swine influenza” – Chris Koivisto. Their attendance was made possible through the monetary support of the Department of Veterinary Biosciences and faculty members who assisted with case preparation.



PUBLICATIONS

Wang P, Dadhwal P, Cheng Z, Zianni MR, Rikihisa Y, Liang FT, **Li X**. (2013) *Borrelia burgdorferi* oxidative stress regulator BosR directly represses lipoproteins primarily expressed in the tick during mammalian infection. *Molecular Microbiology* Jul 22. doi: 10.1111/mmi.12337. [Epub ahead of print]

Li X, Strle K, Wang P, Acosta DI, McHugh GA, Sikand N, Strle F, Steere AC. (2013) Tick-Specific Borrelial Antigens Appear to Be Upregulated in American but Not European Patients With Lyme Arthritis, a Late Manifestation of Lyme Borreliosis. *J Infect Dis*. 2013 Jul 2. [Epub ahead of print]

J. F. deBrito Galvao, MV, MS, DACVIM, **L. A. Nagode** DVM, MS, PhD, Patricia Schenck DVM, PhD, and D.J Chew DVM, DACVIM. Calcitriol, calcidiol, parathyroid hormone and fibroblast growth factor-23 interactions in chronic kidney disease. *Journal of Veterinary Emergency and Critical Care* 23 (2) 2013, 134-162.

de Silva S, Wang F, Hake TS, Porcu P, Wong HK, **Wu L**. Downregulation of SAMHD1 Expression Correlates with Promoter DNA Methylation in Sézary Syndrome Patients. *J Invest Dermatol*. 2013 Jul 24. [Epub ahead of print]

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