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2011-2012 Department of Pathology Scholarly Activity Report

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Note: This report includes clinical/volunteer faculty

EAST TENNESSEE STATE UNIVERSITY
JAMES H. QUILLEN COLLEGE OF MEDICINE

SUMMARY OF SCHOLARLY ACTIVITIES
DEPARTMENT OF PATHOLOGY
2011-2012

I. Publications

A. Journal Publications

Ilyas, S, Ganote G, Lajoie D, Robertson J, Cline-Parhamovich, K, Sudden Death And Isolated Right Ventricular Noncompaction Cardiomyopathy (RV-NCCM) : Report Of Three Autopsied Adult Cases (manuscript submitted to American Journal of Forensic Medicine and Pathology) (2011)

Ganote, C., Cline-Parhamovich K & Lajoie, D. (2012, Manuscript in press). Noncompaction cardiomyopathy and sudden cardiac death: Establishment of control data. *Am J Forensic Medicine & Pathology*.

Youssef D, Shams, W, Ganote CE & Al-Abadi MA. (2011, March). Negative Image of *Blastomyces* on Diff-Quik Stain. *Acta Cytologica* 327721.

Wang, K.S., Liu, X., Aragam, N., Jian, X., Mullersman, J.E., Liu, Y., and Pan, Y. Family-based association analysis of alcohol dependence in the COGA sample and replication in the Australian twin-family study. *Journal of Neural Transmission* 118:1293-1299 (2011).

Jian, X.Q., Wang, K.S., Wu, T.J., Hillhouse, J.J., and Mullersman, J.E. Association of ADAM10 and CAMK2A polymorphisms with conduct disorder: evidence from family-based studies. *Journal of Abnormal Child Psychology* 39:773-782 (2011).

Weiss, R.L., McKenna, B.J., Lord-Toof, M., Thompson, N.N., and Work Group Members (Datnow, B., Dysert, P.A., Inamdar, K.V., Kaul, K.L., Kirkley, S.A., Mullersman, J.E., Roseff, S.D., Stanton, C.A., Stowell, C.P., Terrazas, E., and Zander, D.S.) A consensus curriculum for laboratory management training for pathology residents. *American Journal of Clinical Pathology* 136:671-678 (2011).

Wang, K.S., Liu, X., Aragam, N., Mullersman, J.E., Jian, X., Pan, Y., and Liu, Y. Polymorphisms in ABLIM1 are associated with personality traits and alcohol dependence. *Journal of Molecular Neuroscience* 46:265-271 (2012).

Wheeler YY, Shi H, Duff D, Chitima-Matsiga R, and Caldwell C. PTPRO DNA methylation in non-Hodgkin's lymphoma. (In preparation, to be submitted to *Clinical Cancer Research*).

Wheeler YY, and Ali SZ. Cytopathologic Findings in a case of a Mucoepidermoid Carcinoma Metastasis to the Breast. (In preparation, to be submitted to the *Diagnostic Cytopathology*).

Wheeler YY, and Ali SZ. Adrenal Cortical Carcinoma: Clinicoradiologic and Cytomorphologic Characteristics on Fine Needle Aspiration. (In preparation, to be submitted to the *Diagnostic Cytopathology*).

Wright, T.H. and K.E. Ferslew: Biotransformation of Ethanol to Ethyl Glucuronide in a Rat Model After a Single High Oral Dosage. *Alcohol*, 46:159-164 (2011).

Wright, T.H. and K.E. Ferslew: Comparison of Postmortem Vitreous Humor Ethyl Glucuronide Concentrations in Humans and Sprague Dawley Rats Following Ingestion of Ethanol. Alcohol (Submitted for publication, 2011).

Wright, T.H. and K.E. Ferslew: The Effect of Burn Injury on Blood Ethanol and Ethyl Glucuronide Concentrations. Journal of Forensic Sciences (Submitted for publication, 2012).

Wright, T.H. and K.E. Ferslew: The Effect of Burn Injury on Tissue Ethanol and Ethyl Glucuronide Concentrations. Journal of Forensic Sciences (Submitted for publication, 2012).

Wright, T.H. and K.E. Ferslew: Blood Glucose Concentrations After Burn Injury. Journal of Forensic Sciences (Submitted for publication, 2012).

Harrell, C., McCormick, W.F., Stephens, G., Campbell, T., Benson, P., Cline-Parhamovich, K., Lemieux, E., and K.E. Ferslew: The Effects of Drugs and Alcohol on Autopsy Cases Performed at the William L. Jenkins Forensic Center from 2003-2009. Proceedings of the American Academy of Forensic Sciences 17:422-423 (2011).

Haupt, T. and K. Ferslew: Biotransformation of Ethanol to Ethyl Glucuronide in a Rat Model After a Single Oral Dosage. The Toxicologist (Supplement to Toxicological Sciences) 120:389 (Supplement 2, March, 2011).

Wright T.H., Cline-Parhamovich, K., Lajoie, D., Parsons, L., Dunn, M., and K.E. Ferslew: Deaths Involving Methylenedioxypropylamphetamine (MDPV) in Upper East Tennessee. Proceedings of the American Academy of Forensic Sciences 18:463 (2012).

Youssef D, Shams, W, **Ganote CE** & Al-Abadi MA. (2011, March). Negative Image of *Blastomyces* on Diff-Quik Stain. *Acta Cytologica* 327721, 1-4.

Publications:

Elshenawy Y, Youngberg G, Al-Abadi MA. Unusual presentation of cutaneous malignant melanoma metastatic to the parotid gland; initially discovered by fine needle aspiration; case report and literature review. *Diagn Cytopathol*, 39(5):373-376, 2011

Jithpratuck W, Elshenawy Y, Saleh H, Youngberg G, Chi DS, Krishnaswamy G. The clinical implications of adult onset Henoch-Schonlein purpura. *Clin Mol Allergy*, 9(1):9, 2011

Watkins C, Bokor W, Leicht S, Youngberg G, Krishnaswamy G. Telangiectasia macularis eruptiva perstans: more than skin deep. *Dermatology Reports*, 3(e12):23-30, 2011

Watkins C, Litchfield J, Youngberg G, Krishnaswamy G. Glatiramer acetate: panniculitis and skin necrosis: case report. *Reactions Weekly*, 1384:28, 2012

Stuart CA, Howell MEA, Baker JD, Dykes RJ, **Duffourc MM**, Ramsey MW, & MH Stone. (In press). Cycle Training Increased GLUT4 and Activation of mTOR in Fast Twitch Muscle Fibers. *Medicine and Science in Sports and Exercise*.

Elshenawy Y, **Youngberg G**, & **Al-Abadi MA**. (2011). Unusual presentation of cutaneous malignant melanoma metastatic to the parotid gland; initially discovered by fine needle aspiration; case report and literature review. *Diagn Cytopathol*, 39(5):373-376.

Youssef D, Shams, W, **Ganote CE** & Al-Abadi MA. (2011, March). Negative Image of *Blastomyces* on Diff-Quik Stain. *Acta Cytologica* 327721.

Wang KS, **Mullersman JE** & Liu XF. (2010, In press). Family-based association study of *MAPT* gene in Parkinson disease. *Journal of Applied Genetics*.

Hardin TJ, Parman JL & **Mullersman JE**. (Manuscript in preparation). Sensitive detection of *Amanita* toxic peptides on thin-layer chromatograms using the van Urk – Salkowski reagent.

Song E, Wattad A, Macariola D, Jaishankar G & **Youngberg G**. (2011). Case report: Think beyond the membrane. *Journal of Investigative Medicine*, 59(2):#337. (abstract)

Chen L, Liu L, Chen Y, Ha T, Kelley J, **Schweitzer J**, Kalbfleisch, Kao J, Williams L, & Chuanfu Li. (In press). TLR2 ligand induces protection against cerebral ischemia/reperfusion injury via activation of PI3K/Akt signaling. *Journal of Immunology*.

Wheeler YY, Shi H, Duff D, Chitima-Matsiga R, & C Caldwell. (2010, In preparation). PTPRO DNA methylation in non-Hodgkin's lymphoma. To be submitted to *Clinical Cancer Research*.

Wheeler YY, Wheeler GL, Abu-Saif A & A Diaz-Arias. (2010, In preparation). Renal cell carcinoma metastatic to the liver in the setting of focal nodular hyperplasia.

Wheeler YY & SZ Ali. (2010, In preparation). Adrenal Cortical Carcinoma: Clinicoradiologic and Cytomorphologic Characteristics on Fine Needle Aspiration.

B. Books or Chapters

Brown E. (2010). Pathology PreTest, McGraw-Hill, 13th ed.

C. Papers, Abstracts and/or Presentations

Song E, Wattad A, Macariola D, Jaishankar G, Youngberg G. Think beyond the membrane (case report). *Journal of Investigative Medicine*, 59(2):#337, 2011 (abstract)

Wright, T, Cline-Parhamovich K, Lajoie, D, Parsons, L, Dunn, M, Ferslew, K, Methylenedioxyprovalerone (MDPV)-Related Deaths in East Tennessee (abstract submitted for poster presentation at 2012 Annual Meeting of American Academy of Forensic Sciences)

Sahni R, Youngberg G, Krishnaswamy G. Disorderly immune surveillance and cancer occurrence in common variable immune deficiency. 2011 Appalachian Student Research Forum; Johnson City, Tennessee; March 24, 2011 (poster)

Jithpratuck W, Elshenawy Y, Youngberg G, Krishnaswamy G. Adult onset Henoch Schonlein purpura. 2011 Appalachian Student Research Forum; Johnson City, Tennessee; March 24, 2011 (poster)

Wilgenbusch S, Venkataraman K, Shivram K, Youngberg G, Krishnaswamy G. Clinical presentation of a patient with celiac disease and rhinosinusitis: a case report. 2011 Appalachian Student Research Forum; Johnson City, Tennessee; March 24, 2011 (poster)

Fletcher A, Youngberg G. Cytopathologic features of molluscum contagiosum in a liquid based cervical cytology specimen. 2011 ASCP Annual Meeting, Las Vegas, Nevada, October, 2011 (poster)

Litchfield J, Watkins C, Sahni R, Holla N, Youngberg G, Krishnaswamy G. Rare gastrointestinal neoplasia complicating CVID: implications for surveillance. American College of Allergy, Asthma & Immunology, 2011 Annual Scientific Meeting, Boston, Massachusetts, November, 2011 (poster)

Watkins C, Litchfield J, Youngberg G, Krishnaswamy G. Glatiramer acetate-induced panniculitis and skin necrosis. American College of Allergy, Asthma & Immunology, 2011 Annual Scientific Meeting, Boston, Massachusetts, November, 2011 (poster)

Mishra M, Verma S, Youngberg G, Siddaraju N., Giorgadze T. Fine needle aspiration of tumors and tumor-like lesions of the skin: a single institute experience. American Society of Cytopathology, 59th Annual Scientific Meeting, Baltimore, Maryland, November, 2011 (poster)

Mishra M, Verma S, Youngberg G, Siddaraju N., Giorgadze T. Role of fine needle aspiration as a primary diagnostic method for mesenchymal tumors and tumor-like skin nodules: twenty-two months' experience at a single institute. American Society of Cytopathology, 59th Annual Scientific Meeting, Baltimore, Maryland, November, 2011 (poster)

Litchfield J, Saleh H, Watkins C, Youngberg G, Wilgenbusch S, Krishnaswamy G. Remission of refractory aphthous stomatitis of celiac disease with etanercept. American Academy of Allergy, Asthma & Immunology, 2012 Annual Meeting, Orlando, Florida, March, 2012 (poster)

Elshenawy Y, Ferris J, Preiszner J, Randhawa P, Youngberg G. Anti-BK virus controls using voided urine, a practical solution for the renal pathologist. United States and Canadian Academy of Pathology, 101st Annual Meeting, Vancouver, BC, Canada, March, 2012 (poster)

Mishra M, Crisostomo C, Lee J, Liapis H, Youngberg G. Alport-like changes in allograft glomerular basement membranes: a peculiar manifestation occurring in a setting of pediatric donor-adult recipient renal transplantation. United States and Canadian Academy of Pathology, 101st Annual Meeting, Vancouver, BC, Canada, March, 2012 (poster)

Poster presentation, 64th Annual scientific meeting of the American Academy of Forensic Sciences, Atlanta, GA, "Deaths Involving Methylenedioxypropylvalerone (MDPV) in Upper East Tennessee," Trista Wright, Karen Cline-Parhamovich, Dawn Lajoie, Laura Parsons, Mark Dunn, Kenneth Ferslew.

Harrell, C., McCormick, W.F., Stephens, G., Campbell, T., Benson, P., Cline-Parhamovich, K., Lemieux, E., and K.E. Ferslew: The Effects of Drugs and Alcohol on Autopsy Cases Performed at the William L. Jenkins Forensic Center from 2003-2009. Presented at the 63rd Meeting of the American Academy of Forensic Sciences, Chicago, Illinois, February 23, 2011.

Haupt, T. and K. Ferslew: Biotransformation of Ethanol to Ethyl Glucuronide in a Rat Model After a Single oral Dosage. Presented at the 50th Meeting of the Society of Toxicology, Washington, D.C., March 9, 2011.

Wright, T. H. and K.E. Ferslew: Comparison of Postmortem Vitreous Humor Ethyl Glucuronide Concentrations in Humans and Sprague Dawley Rats Following Ingestion of Alcohol. Presented at the Appalachian Student Research Forum, Center at Millennium Park, Johnson City, Tennessee, March 24, 2011.

Wright, T.H. and K.E. Ferslew: Comparison of Postmortem Vitreous Humor Ethyl Glucuronide Concentrations in Humans and Sprague Dawley Rats Following Ingestion of Ethanol. Presented at the Society of Forensic Toxicologists/The International Association of Forensic Toxicologists Meeting, San Francisco, CA, September, 2011.

Wright T.H., Cline-Parhamovich, K., Lajoie, D., Parsons, L., Dunn, M., and K.E. Ferslew: Deaths Involving Methylenedioxypropylvalerone (MDPV) in Upper East Tennessee. Presented at the 64th American Academy of Forensic Sciences Meeting, Atlanta, GA, February, 2012.

"Contribution of acidic pH to anti-pneumococcal functions of C-reactive protein". Toh B. Gang, Sanjay K. Sinng, David J. Hammond, **Donald A. Ferguson**, Jr. and Alok Agrawal. Talk presented at the Appalachian Research Forum, April 2011. Johnson City, TN.

Harrell, C, McCormick W, Stephens, G, Campbell, T, Benson, P, Cline-Parhamovich, K,

Lemieux E, Ferslew K, The Effects of Drugs and Alcohol on Autopsy Cases Performed at the William L. Jenkins Forensic From 2003-2009 - Toxicology Poster Session, American Academy of Forensic Sciences, 63rd meeting , Chicago, Illinois (February) (2011)

Mishra MM, and **Wheeler YY**. Fine needle aspiration/ core biopsy of retroperitoneal lesions: Diagnostic advantages and pitfalls. ASC annual meeting, Baltimore, November 2011.

Sahni R, **Youngberg G** & Krishnaswamy G. (2011, March). Disorderly immune surveillance and cancer occurrence in common variable immune deficiency. Poster presentation, Appalachian Student Research Forum; Johnson City, TN.

Jithpratuck W, Elshenawy Y, **Youngberg G** & Krishnaswamy G. (2011, March). Adult onset Henoch Schonlein purpura. Poster presentation, Appalachian Student Research Forum; Johnson City, TN.

Wilgenbusch S, Venkataraman K, Shivram K, **Youngberg G**, Krishnaswamy G. (2011, March). A case report: Clinical presentation of a patient with celiac disease and rhinosinusitis. . Appalachian Student Research Forum; Johnson City, TN.

D. Other

Ferguson, D. Ad hoc reviewer for The Journal of Microbiological Methods (1984-present)

Ferguson, D. Scientist Consultant for the Scientific Review Office of the National Institute of Dental and Craniofacial Research (NIDCR) a subset of the NIH (December 1999 - present)

Schweitzer, J. Journal of Neuropathology and Experimental Neurology (term July 1, 2003-present)

E. Visiting professors

F. Extramural funding

a. Peer Review

R01 NIH Title: Structure-Function Relationships of C-reactive Protein

Award periods: 4/1/2002 – 3/31/2006 and 4/01/08 - 3/31/2012

Principal Investigator: Alok Agrawal, Ph.D.

Collaborator: **Donald A. Ferguson, Jr.**

G. Other sponsored activities