

Zhongren Zhou, M.D., Ph.D. Publications

1. **Zhongren Zhou**, Irina Kalatskaya, Donna Russell, Norman Marcon, Maria Cirocco, Paul Krzyzanowski, Cathy Streutker, Hua Liang, Virginia Litle, Tony Godfrey, Lincoln Stein Combined EsophagaCap Cytology and MUC2 Immunohistochemistry for Screening of Intestinal Metaplasia, Dysplasia and Carcinoma Clinical and Experimental Gastroenterology accepted
2. Matthew Egyud; Mohamedtaki Tejani; Arjun Pennathur, James Luketich, Praveen Sridhar, Emiko Yamada, Anders Ståhlberg, Stefan Filges, Paul Krzyzanowski, Jennifer Jackson, Irina Kalatskaya, Wei Jiao, Gradon Nielsen, **Zhongren Zhou**, Virginia Litle, Lincoln Stein, Tony Godfrey Detection of circulating tumor DNA in Plasma: a potential biomarker for esophageal adenocarcinoma. The Annals of Thoracic Surgery accepted
3. Jennifer J. Findeis-Hosey, **Zhongren Zhou**, Raul S. Gonzalez Hepatic Sclerosing Cavernous Hemangioma Can Mimic the Nodular Elastosis Stage of Segmental Atrophy Histology accepted
4. Sijie Lin, Kuancan Liu, Yongchun Zhang, Ming Jiang, RongLu, Christopher J. Folts, Xia Gao, Mark Noble, Tingting Zhao, **Zhongren Zhou**, Xiaopeng Lan, Jianwen Que Pharmacological targeting of p38 MAP-Kinase 6 (MAP2K6) inhibits the growth of esophageal adenocarcinoma Cellular Signalling Volume 51, November 2018, Pages 222-232
5. Lulu Rong, Yong liu, Wenbin Li, **Zhongren Zhou**, Liyan Xue, Ning Lu PD-L1 expression and its clinicopathological correlation in advanced esophageal squamous cell carcinoma in a Chinese population Diagnostic Pathology 2019 14:6 <https://doi.org/10.1186/s13000-019-0778-4> PMID: 30289450
6. Yong-guo Zhang, Rong Lu, Yinglin Xia, **Zhongren Zhou**, Elaine Petrof, Erika C. Claud, Jun Sun, Lack of vitamin D receptor leads to hyperfunction of Claudin-2 in intestinal inflammatory responses Inflammatory Bowel Disease 2019 Jan 1; 25(1): 97–110. doi: 10.1093/ibd/izy292
7. Noor M, Katzman PJ, Huber AR, Findeis-Hosey JJ, Whitney-Miller C, Gonzalez RS, **Zhou Z**, N'kodia HD, Skonick K, Abell RL, Saubermann LJ, Lamps LW, Drage MG. Unexpectedly high prevalence of *Cystoisospora belli* in acalculous gallbladders of immunocompetent patients Am J Clin Pathol. 2019 Jan; 151(1): 100–107 doi: 10.1093/ajcp/aqy122 PMID: PMC6287653
8. Lorraine Lopez, Luke Schoeniger, **Zhongren Zhou**, Squamous Cell Carcinoma arising In a Pericoccygeal-rectal Epithelial Inclusion Cyst with Adjacent Benign Notochordal Cell Tumor: First Case Report and Review of the Literature. Pathology and Laboratory Medicine International May 6 2019 Volume 2019:11 Pages 1—5 DOI <https://doi.org/10.2147/PLMI.S173802>
9. Ming Jiang, Haiyan Li, Yongchun Zhang, Ying Yang, Rong Lu, Kuancan Liu, Sijie Lin, Xiaopeng Lan, Haikun Wang, Han Wu, Jian Zhu, **Zhongren Zhou**, Jianming Xu, Dong-Kee Lee, Lanjing Zhang, Yuan-Cho Lee, Jingsong Yuan, Julian A. Abrams, Timothy G. Wang, Antonia R. Sepulveda, Qi Wu, Huaiyong Chen, Xin Sun, Junjun She, Xiaoxin Chen , and Jianwen Que **Transitional basal cells at the squamous-columnar junction generate Barrett's oesophagus. Nature** 2017 Oct 12. doi: 10.1038/nature24269 PMID: 29019984
10. Huihong Xu, Laura Bratton, Donna Russell, **Zhongren Zhou** Comparison of PD-L1 immunostaining for non-small cell carcinoma of the lung between paired cytological and surgical specimens. CytoJournal 2018, 15:29 (24 December 2018)
11. Sohaib Abu-Farsakh, Tongtong Wu, Amy Lalonde, Jun Sun, **Zhongren Zhou** High expression of the leaky protein Claudin-2 in esophageal carcinoma and precancerous lesions is significantly associated with the bile salt receptors VDR and TGR5. BMC Gastroenterology 2017 17:33 DOI 10.1186/s12876-017-0590-0 PMID: 28212604
12. Chunhong Pang, Amy Lalonde, Tony E Godfrey, Jianwen Que, Jun Sun, Tongtong Wu, and **Zhongren Zhou** Bile salt receptor TGR5 is highly expressed in esophageal adenocarcinoma and precancerous lesions with significantly worse overall survival and gender differences Clinical and Experimental Gastroenterology 7 February 2017 Volume 2017:10 Pages 29-37 DOI <https://doi.org/10.2147/CEG.S117842> PMID: 28223834
13. **Integrated Genomic Characterization of Oesophageal Carcinoma Nature** (2017) *Nature* 541,169–175(12 January 2017) doi:10.1038/nature20805 **The Cancer Genome Atlas Research Network** Project leaders: Adam J. Bass, Peter W. Laird, Ilya Shmulevich; data coordinator: Vésteinn Thorsson; analysis coordinators: Vésteinn Thorsson, Francisco Sánchez-Vega; manuscript

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- coordinator: Barbara G. Schneider; graphics coordinator: Toshinori Hinoue; DNA sequence analysis: Andrew Dunford, Jaegil Kim, Michael D. McLellan, Angeliki Pantazi, Carrie Cibulskis, Melanie Kucherlapati, Peter J. Park, Lixing Yang; Samuel R. Meier; mRNA analysis: Reanne Bowlby, Andrew J. Mungall; miRNA analysis: Reanne Bowlby; DNA methylation analysis: Toshinori Hinoue, Peter W. Laird; Copy-number analysis: Andrew D. Cherniack, Juliann Shih; protein analysis: Ju-Seog Lee, Apurva Hegde, Rehan Akbani; pathway/integrated analysis: Francisco Sánchez-Vega, Varsha Dhankani, Christina Curtis, Jose Antonio Seoane, Ronglai Shen, Hsin-Ta Wu, Benjamin J. Raphael, Alexandra M. Wong, Vésteinn Thorsson, Nikolaus Schultz, Arshi Arora; pathology expertise and clinical data: Alex Boussioutas, Barbara G. Schneider, David Kelsen, Robert D. Odze, Shannon J. McCall, Kenneth Wang, Arjun Pennathur, Joseph E. Willis, Margaret L. Gulley, Katherine S. Garman, M. Blanca Piazuelo, Sarah Derks, Kristen M. Leraas, Tara M. Lichtenberg, John A. Demchok, David G. Beer, Brian J. Reid, **Zhongren Zhou**, Laura Tang, Jihun Kim, Jaffer A. Ajani; microbiome analysis: Charles S. Rabkin, Margaret L. Gulley, Reanne Bowlby, Chandra Sekhar Pedamallu, Sara Sadeghi, Akinyemi I. Ojesina, Susan Bullman, Karen Mungall. PMID 28052061
14. Meenal Sharma and **Zhongren Zhou** Small bowel ischemic necrosis secondary to idiopathic intimal and medial hyperplasia of mesenteric vessels: A case report. *North American Journal of Medical Science North American J Medicine and Science* 2017 January, 10(1):24-27 **DOI:** 10.7156/najms.2017.1001024
 15. Choy, Bonnie, Lalonde, Amy, Que, Jianwen, Wu, Tongtong, and **Zhou, Zhongren** MCM4 and MCM7, Potential Novel Proliferation Markers, Significantly Correlated with Ki67, Bmi1, and Cyclin E Expression in Esophageal Adenocarcinoma, Squamous Cell Carcinoma, and Precancerous Lesions. *Human Pathology* 2016, November 57:126-135. Doi: 10.1016/j.humpath.2016.07.013. Epub 2016 Jul 29. PMID:27476776
 16. Rong Lu, Y Zhang, S Wu, Y Xia, **Z Zhou**, I Tako, H Dong, M Bissonnette, J Sun *Salmonella* protein AvrA activates the STAT3 signaling pathway in colon cancer. *Neoplasia* 2016 May;18(5):307-16. doi: 10.1016/j.neo.2016.04.001. PMID:27237322
 17. Ghatak S, Reveiller M, Toja L, Ivanov AI, Zhou Z, Redmond EM, Godfrey TE, Peters JH. Bile Salts at Low pH Cause Dilation of Intercellular Spaces in In Vitro Stratified Primary Esophageal Cells, Possibly by Modulating Wnt Signaling *J Gastrointest Surg.* 2016 Mar;20(3):500-9. doi: 10.1007/s11605-015-3062-2. Dec 29 PMID: 26715559
 18. Huber AR, Tan D, Sun J, Dean D, Wu T, **Zhou Z.** High expression of carbonic anhydrase IX is significantly associated with glandular lesions in gastroesophageal junction and with tumorigenesis markers BMI1, MCM4 and MCM7. *BMC Gastroenterology.* 2015; 15:80. PMID: 26156831. PMCID: PMC4495619
 19. Yong-guo Zhang, Shaoping Wu, Rong Lu, **Zhongren Zhou**, Jingsong Zhou, Geert Carmeliet, Elaine Petrof, Erika C. Claud, and Jun Sun Tight junction CLDN2 gene is a direct target of the vitamin D receptor *Scientific Report* 2015 Jul 27;5:10642. doi: 10.1038/srep10642. PMID: 26212084
 20. AK.Martin and **Z Zhou** Endoscopic ultrasound-guided FNA for the Diagnosis of Pancreatic Cysts by Combined Cytopathology and Cystic Content Analysis. *World Journal of Gastroenterologic endoscopy.*2015 7(15):1157-1169 PMID: 26504505
 21. Jiang M, Ku WY, **Zhou Z**, Dellon ES, Falk GW, Nakagawa H, Wang ML, Liu K, Wang J, Katzka DA, Peters JH, Lan X, Que J. BMP-driven NRF2 activation in esophageal basal cell differentiation and Eosinophilic Esophagitis. *J. Clin. Inves.* 2015; 125(4):1557-1568. PMID: 25774506. PMCID: PMC4396468.
 22. Chuang KH, Whitney-Miller CL, Chu CY, **Zhou Z**, Dokus MK, Schmit S, Barry CT. MicroRNA-494 is A Master Epigenetic Regulator of Multiple Invasion-Suppressor MicroRNAs via Targeting TET1 in Invasive Human HCC Tumors. *Hepatology.* 2015; 62(2):466-480. Epub 2015 May 6. PMID: 25820676.
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 24. Wu S, Zhang YG, Lu R, Xia Y, **Zhou Z**, Petrof EO, Claud EC, Chen D, Chang EB, Carmeliet G, Sun J. Intestinal epithelial vitamin D receptor deletion leads to defective autophagy in colitis. *Gut.*

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- 2015; 64(7):1082-1094. PMID: 25080448. PMCID: PMC4312277.
25. [Zhao C](#), [Li Z](#), [Nayar R](#), [Levi AW](#), [Winkler BA](#), [Moriarty AT](#), [Barkan GA](#), [Rao J](#), [Miller F](#), [Fan F](#), [Zhou Z](#), [Si Q](#), [Fischer AH](#), [Sturgis CD](#), [Jing X](#), [Marshall CB](#), [Witt BL](#), [Birdsong GG](#), [Crothers BA](#). Prior high-risk human papillomavirus testing and Papanicolaou test results of 70 invasive cervical carcinomas diagnosed in 2012: results of a retrospective multicenter study. *Arch Pathol Lab Med*. 2015 Feb;139(2):184-8.
 26. Kim J, Fox C, Peng S, Pusung M, Pectasides E, Matthee E, Hong YS, Do IG, Jang J, Thorner AR, Hummelen P, Rustgi AK, Wong KK, [Zhou Z](#), Tang P, Kim KM, Lee J, Bass AJ. Pre-existing oncogenic events impact Trastuzumab sensitivity in ERBB2-amplified gastroesophageal adenocarcinoma. *J. Clin. Invest.* 2014; 124(12):5145–5158. PMID: 25401468. PMCID: PMC4348950.
 27. Lu R, Wu S, Zhang YG, Xia Y, Liu X, Zheng Y, Chen H, Schaefer KL, [Zhou Z](#), Bissonnette M, Li L, Sun J. Enteric bacterial protein AvrA promotes colonic tumorigenesis and activates colonic beta-catenin signaling pathway. *Oncogenesis*. 2014; 3:e105. PMID: 24911876. PMCID: PMC4150214.
 28. Zhou Z, Xia Y, Bandla S, Zakharov V, Wu S, Peters J, Godfrey TE, Sun J. Vitamin D receptor is highly expressed in precancerous lesions and esophageal adenocarcinoma with significant sex difference. *Human Path.* 2014; 45(8):1744-1751. PMID: 24951052.
 29. Zhang Y, Ren H, Wang L, Ning Z, Zhuang Y, Gan J, Chen S, [Zhou D](#), Zhu H, Tan D, Zhang H. Clinical impact of tumor-infiltrating inflammatory cells in primary small cell esophageal carcinoma. *Int. J. Mol. Sci.* 2014; 15(6):9718-9734. PMID: 24886814. PMCID: PMC4100116.
 30. [Zhou Z](#), Bandla S, Ye J, Xia Y, Que J, Luketich JD, Pennathur A, Peters JH, Tan D, Godfrey TE. Cyclin E involved in early stage carcinogenesis of esophageal adenocarcinoma by SNP DNA microarray and immunohistochemical studies. *BMC Gastroenterology*. 2014; 14:78. PMID: 24742107. PMCID: PMC3998234.
 31. Bandla S, Peters JH, Ruff D, Chen SM, Li CY, Song K, Thoms K, Litle VR, Watson T, Chapurin N, Lada M, Pennathur A, Luketich JD, Peterson D, Dulak A, Lin L, Bass A, Beer DG, Godfrey TE, [Zhou Z](#). Comparison of cancer-associated genetic abnormalities in columnar-lined esophagus tissues with and without Goblet Cells. *Ann. Surg.* 2014; 260(1):72-80. PMID: 24509200. PMCID: PMC4047149.
 32. Costaldi ME, [Zhou Z](#). Case Report: Different Metastatic Components from Anaplastic Thyroid Carcinoma in Mediastinal and Neck Lymph Nodes Simultaneously Diagnosed by FNA. *Diagnostic Cytopathology*. 2014; 42(8):694-699. Epub 2013 Jun 1. PMID: 23729380.
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 34. Woolf KM, Liang H, Sletten ZJ, Russell DK, Bonfiglio TA, [Zhou Z](#). False-negative rate of endoscopic ultrasound-guided fine-needle aspiration for pancreatic solid and cystic lesions with matched surgical resections as the gold standard: one intuition's experience. *Cancer Cytopathology*. 2013; 121(8):449-458. PMID: 23677908
 35. Dulak AM, Stojanov P, Peng S, Lawrence MS, Fox C, Stewart C, Bandla S, Imamura I Y, Schumacher SE, Shefler E, McKenna A, Carter SL, Cibulskis K, Sivachenko A, Saksena G, Voet D, Ramos AH, Auclair D, Thompson K, Sougnez C, Onofrio RC, Guiducci C, Beroukhi R, [Zhou Z](#), Lin L, Lin J, Reddy R, Chang A, Landrenau R, Pennathur A, Ogino S, Luketich JD, Golub TR, Gabriel SB, Lander ES, Beer DG, Godfrey TE, Getz G, Bass AJ. Exome and whole-genome sequencing of esophageal adenocarcinoma identifies recurrent driver events and mutational complexity. *Nature Genetics*, 2013; 45(5):478-486. PMID: 23525077. PMCID: PMC3678719.
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38. Reveiller M, Ghatak S, Toia L, Kalatskaya I, Stein L, D'Souza M, Zhou Z, Bandla S, Gooding WE, Godfrey TE, Peters JH. Bile Exposure Inhibits Expression of Squamous Differentiation Genes in Human Esophageal Epithelial Cells. *Ann. Surg.* 2012; 255(6):1113-20. PMID: 22498892.
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41. Ismail A, Bandla S, Reveiller M, Toia L, **Zhou Z**, Gooding WE, Kalatskaya I, Stein L, D'Souza M, Litle VR, Peters JH, Pennathur A, Luketich JD, Godfrey TE. Early G₁ cyclin-dependent kinases as prognostic markers and potential therapeutic targets in esophageal adenocarcinoma. *Clin. Cancer Res.* 2011; 17(13):4513-4522. PMID: 21593195.
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44. **Sepesi B, Watson TJ, Zhou D, Polomsky M, Litle VR, Jones CE, Raymond DP, Hu R, Qiu X, Peters JH.** Are endoscopic therapies appropriate for superficial submucosal esophageal adenocarcinoma? An analysis of esophagectomy specimens. *J. Am. Coll. Surg.* 2010; 210(4):418-427. PMID: 20347733.
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51. **Zhou Z**, Champagnat J, Poon CS. Phasic and long-term depression in brainstem NTS neurons: differing roles of AMPA receptor desensitization. *J. Neurosci.* 1997; 17(14):5349-5356. PMID: 9204919.
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53. **Zhou Z**, He L, Zhou J. [Expression of c-fos protein in CNS following electro-acupuncture of the "Quanliao" and electrostimulation of the rat tail.] [*Zhen Ci Yan Jiu*] *Acupuncture Res.* 1993; 18(1):14-20. PMID: 8082274. [Article in Chinese.]
54. **Zhou Z**, Zhou J. Co-localization of Fos-like protein and NA in pons and medulla neurons following electric acupuncture of "Quan-liao" and electric stimulation of the rat tail. *Chinese J. Histochem. Cytochem.* 1993; 2(2):114-118.
55. **Zhou JX**, Zhou Z. Co-localization of serotonin and Fos-like protein in the rat CNS after electroacupuncture and pain stimulation. *Acta Academiae Medicinae Shanghai.* 1993; 20(1):66-69.
56. **Zhou Z**, Li SF. Distribution of the somatostatin-like peptide and the dendrites of the motor neurons

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innervating the external anal sphincter of the rat investigated by combined CB-HRP retrograde tracing and immunocytochemistry. *J. North China Coal Medical College*. 1989; 5(2):39-41.

B. Books, Monographs and Chapters

1. Zhou Z, Hicks D. HER2 Amplification or Overexpression in Upper GI Tract and Breast Cancer with Clinical Diagnosis and Treatment. In "Oncogene and Cancer—From Bench to Clinic", edited by Yahwardiah Siregar. 2013 ISBN 978-953-51-0858-0. In Tech, DOI:10.5772/53921. Available from: <http://www.intechopen.com/books/oncogene-and-cancer-from-bench-to-clinic/her2-amplification-or-overexpression-in-upper-gi-tract-and-breast-cancer-with-clinical-diagnosis-and>
2. Strichartz G, Zhou Z, Sinnott C, Khodorova A, Therapeutic concentrations of local anesthetics unveil the potential role of sodium channels in neuropathic pain. *Sodium Channels and Neuronal Hyperexcitability*. Novartis Foundation Symposium 241, chaired by Stephen Waxman, published by John Wiley & Sons Ltd., Baffins Lane, Chichester, West Sussex PO19 1UD, UK 2001. (Published online 2008, 189-205.)

E. Abstracts

1. Momen M. Wahidi, Kevin Davidson, George Cheng, Scott Shofer, Kamran Mahmood, Coral Giovacchini, Claudia Jones, Rachel Jug, Elizabeth Pavlisko, Alexander Chen Performance of 19-Gauge Needle during EBUS-TBNA in the Diagnosis and Testing of Molecular Markers in lung Cancer. American Thoracic Society 2019
2. Petrone, J, Zhongren Zhou, Rebecca Chernock Unique cytomorphology of diffuse sclerosing variant of papillary thyroid carcinoma CAP 2019
3. Michael Magguilli, Donna Russell, Qi Yong, Loralee McMahnorn, Zhongren Zhou Comparison of PD-L1 immunostaining for pancreatic ductal adenocarcinoma between paired cytological and surgical specimens. **Platform presentation** in 2017 ASC Annual Meeting.
4. Zhongren Zhou, Donna Russell, Irina Kalatskaya, Norman Marcon, Paul Krzyzanowski, Maria Cirocco, Virginia Litle, Tony Godfrey, Lincoln Stein *Combined EsophagaCap cytology with MUC2 immunohistochemistry for screening Barrett's Esophagus, dysplasia and carcinoma* (2669004), has been selected for **lecture presentation** during Digestive Disease Week® at McCormick Place, Chicago, IL, May 6-9, 2017
5. Matthew Egyud, Jennifer Jackson, Emiko Yamada, Anders Ståhlberg, Stefan Filges, Paul Krzyzanowski, Gradon Nielsen, Praveen Sridhar, Arjun Pennathur, James Luketich, Mohamen Tejani, Zhongren Zhou, Virginia Litle, Lincoln Stein, Tony Godfrey Detection of Tumor-Specific Mutations in Plasma DNA: A Potential Esophageal Adenocarcinoma Biomarker. 54th Society of Thoracic Surgery Annual Meeting 2017
6. Yong-Guo Zhang, Rong Lu, Yinglin Xia, Zhongren Zhou, Elaine O. Petrof, Erika C. Claud, Jun Sun Lack of Intestinal VDR Regulation Leads to Dysfunction of Claudin-2 in Inflammatory Responses Digestive Disease Week® at McCormick Place, Chicago, IL, May 6-9, 2017
7. Sohaib Abu-Farsakh, Yinling Xia, David Dean, Sun Jun, Zhongren Zhou High expression of Claudin 5 in esophageal adenocarcinoma and precancerous lesions was significantly associated with bile salt receptors TGR5, VDR and a stem cell marker BMI1. (2673787), has been selected for poster presentation during Digestive Disease Week® at McCormick Place in Chicago, IL, May 6-9, 2017.
8. Sohaib Abu-Farsakh, A Lalonde, T Wu, Z Zhou Clinicopathologic Studies of PD-L1 Expression on Esophageal Adenocarcinoma and Squamous Cells Carcinoma. USCAP 2017
9. Meenal Sharma, A Lalonde, Dongfeng Tan, T Wu, Zhongren Zhou Expression of Epithelial-Mesenchymal Transition Markers E-Cadherin and Vimentin in Esophageal Adenocarcinoma and Squamous Cell Carcinoma and Significant Association with New Proliferation Markers MCM4 and MCM7. USCAP 2017
10. Laura Bratton, Donna Russell, Zhongren Zhou Comparison of PD-L1 immunostaining for non-small cell carcinoma of the lung between paired cytological and surgical specimens. American Society of Cytopathology 2016
11. S Abu-Farsakh, T Wu, A Lalonde, J Sun, Z Zhou High expression of the leaky protein Claudin-2 in esophageal carcinoma and precancerous lesions is significantly associated with the bile salt receptors VDR and TGR5. USCAP Seattle, WA 2016
12. Rong Lu, Y Zhang, S Wu, Y Xia, Z Zhou, I Tako, H Dong, M Bissonnette, J Sun *Salmonella* protein AvrA activates the STAT3 signaling pathway in colon cancer AACR 2016, New Orleans, Louisiana.
13. Wu S, Zhang YG, Lu R, XiaY, Zhou Z, Sun J. Intestinal vitamin D receptor protect mice from dysbiosis

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- and tumorigenesis via modulating JAK/STAT pathway. DDW Annual meeting. Washington, DC. May 2015
14. Kothari S, Truptesh H, Zhou Z, Damania D, Martin A, Divincenti L, Kaul V. Evaluating The Efficacy of a New FDA Approved EUS Core Biopsy Needle and Different Fine Needle Biopsy (FNB) Techniques To Yield the Best Core Specimen In a Live Porcine Model. DDW Annual meeting. Washington, DC. May 2015
 15. Pang C, Lalonde A, Godfrey TE, Ghatak S, Tan D, Sun J, Da J, Wu T, Zhou Z. Bile acid receptor TGR5 highly expressed in esophageal adenocarcinoma and precancerous lesions significantly associated with worse overall survival and gender difference. DDW Annual meeting. Washington, DC. May 2015
 16. Choy B, Lalonde A, Taboada S, Wu T, Zhou Z. MCM4 and MCM7, Significantly Correlated with Ki-67 Expression and Progression in Esophageal Adenocarcinoma and Precancerous lesions. Poster Presentation. USCAP Annual meeting. Hynes Convention Center; Boston, MA. March, 2015
 17. Yong-guo Zhang, Shaoping Wu, Rong Lu, Zhongren Zhou, Elaine O. Petrof, Erika C. Claud, Jun Sun Tight Junction Protein Claudin-2 Is a Direct Target of Vitamin D Receptor Signaling in Intestinal Epithelium DDW May 2014
 18. Shaoping Wu, Yong-guo Zhang, Rong Lu, Yinglin Xia, Zhongren Zhou, Elaine O. Petrof, Erika C. Claud, Eugene B. Chang, and Jun Sun others Intestinal Epithelial Vitamin D Receptor Deletion Leads to Defective Autophagy and Dysbiosis in Colitis
 19. Nagarathinam R, Kovar S, Russell DK, Rothberg PG, Zhou Z. Retrospective Study to Compare Cytology to Surgical Specimens for EGFR Mutation Test of Pulmonary Adenocarcinoma. American Society of Cytopathology. Hilton Anatole; Dallas, TX. November, 2014
 20. Pang C, Steinbauer B, Russell DK, Rothberg PG, Zhou Z. Retrospective Study of BRAF^{V600E} Mutation Test on Thyroid FNA and Surgical Specimens--One Institute Experience. Poster Presentation. American Society of Cytopathology. Hilton Anatole; Dallas, TX. November, 2014
 21. Huber AR, Wu T, Peters JH, Zhou Z. Carbonic Anhydrase IX is Not a Prognostic Marker in Esophageal Adenocarcinoma, Instead it is a Unique Marker to Differentiate Squamous Cell Carcinoma from Adenocarcinoma. USCAP Annual meeting. San Diego Convention Center; San Diego, CA. March 2014
 22. Koltz BR, Russell DK, Zhou Z. Electromagnetic navigation bronchoscopy and the diagnostic yield of cytology and concurrent surgical pathology specimens. 61st Annual Scientific Meeting of the American Society of Cytopathology. Hilton Bonnet Creek Orlando; Orlando, FL. November, 2013
 23. Zhou Z, Costaldi M, Koltz BR, Russell DK, Rothberg P. BIOMED-2 is a reliable test for lymphoma in cytopathological samples. 61st Annual Scientific Meeting of the American Society of Cytopathology. Hilton Bonnet Creek Orlando; Orlando, FL. November, 2013
 24. Bandla S, Peters JH, Ruff D, Chen S-M, Li C-Y, Song K, Thoms K, Litle VR, Watson T, Chapurin N, Pennathur A, Luketich JD, Peterson D, Dulak A, Lin L, Bass A, Beer DG, Godfrey TE, Zhou Z. Analysis of columnar lined esophagus reveals less frequent mutations in non-goblet cell metaplasia than intestinal metaplasia. Platform presentation. USCAP Annual meeting. Baltimore Convention Center; Baltimore, MD. March 2013
 25. Zhou Z, Bandla S, Ye J, Li L, Godfrey TE, Wang N. *ALK* status in esophageal adenocarcinoma and squamous carcinoma studied by DNA microarray, FISH and immunohistochemistry. USCAP Annual meeting. Baltimore Convention Center; Baltimore, MD. March 2013
 26. Ren B, McMahon L, Yang Q, Zhou Z, Wang N, Rothberg P, Li F, Xu H. *ALK* protein expression in lung adenocarcinomas correlates with *ALK* rearrangement, but not increased *ALK* copy numbers. USCAP Annual meeting. Baltimore Convention Center; Baltimore, MD. March, 2013
 27. Choy B, Bandla S, Xia Y, Tan D, Godfrey T, Sun J, Zhou Z. Clinicopathological characteristics of amplification and over expression of *Bmi1* in esophageal adenocarcinoma and squamous cell carcinoma. ASCP, Boston, MA. November, 2012.
 28. Costaldi M, Koltz BR, Russell DK, Yang Q, McMahon L, Bonfiglio TA, Xu H, Zhou Z. The role of double immunostaining for desmoglein 3+napsin A in subtyping non-small cell lung carcinoma in fine needle aspiration cytology: a quality control study comparing cytologic specimens with paired surgical resections. American Society of Cytopathology. Las Vegas, NV. November, 2012
 29. Costaldi M, Koltz BR, Russell DK, Yang Q, McMahon L, Bonfiglio TA, Xu H, Zhou Z. The role of double immunostaining for Cytokeratin 5 and TTF-1 in subtyping non-small cell lung carcinoma in fine needle aspiration cytology: a quality control study comparing cytologic specimens with paired surgical resections.

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- American Society of Cytopathology. Las Vegas, NV. November, 2012
30. Costaldi M, Burack R, Lall A, Zhou Z. Using Flow Cytometry for the Diagnosis of Small Cell Lung Carcinoma by Endobronchial Ultrasound Fine Needle Aspiration. American Society of Cytopathology. Las Vegas, NV. November, 2012
 31. Lopez L, Schoeninger L, Zhou Z. Squamous Cell Carcinoma Arising In a Peri-coccygeal Epithelial Inclusion Cyst with Adjacent Benign Notochordal Cell Tumor: First Case Report. Poster Presentation. CAP Annual Meeting. San Diego, CA. October, 2012
 32. Bandla S, Litle V, Wetson T, Peters J, Song, K, Godfrey T, Zhou Z. Analysis of genetic alterations in esophageal metaplasia: Are goblet cells required for neoplastic risk? Platform presentation. USCAP Annual meeting. Vancouver Convention Centre; Vancouver, BC, Canada. March, 2012
 33. Koltz BR, Sletten ZJ, Russell DK, Bonfiglio TA, Xu H, Zhou Z. Does immunohistochemical subtyping of non-small cell lung carcinoma in fine needle aspiration play a similar role as in surgical resection tissue? Poster Presentation. 59th Annual Scientific of the American Society of Cytopathology. Hilton Baltimore; Baltimore, MD. November, 2011
 34. Ye J, Bandla S, Xia Y, Tan D, Peters J, Godfrey T, Zhou Z. Cyclin E amplification and over expression in esophageal carcinoma and dysplasia by SNP microarray and immunohistochemistry studies. Poster Presentation. USCAP Annual Meeting. Henry B. Gonzalez Convention Center; San Antonio, TX. March, 2011
 35. Woolf K, Sletten Z, Russell DK, Bonfiglio TA, Zhou Z. False positive and negative rates of Pancreatic EUS-guided FNA diagnosis by fine needle aspiration and bile duct brushing: One Institution's Experience. Poster Presentation. USCAP Annual Meeting. Henry B. Gonzalez Convention Center; San Antonio, TX. February/March, 2011
 36. Bandla S, Feber, A, Pennathur A, Luketich JD, Zhou Z, Godfrey T, Litle V. Gastroesophageal junction microRNA. Poster Presentation. ISEC Kagoshima, Japan. 2010
 37. Ismail A, Zhou Z, Toia L, Reveiller M, Bandla S, Pennathur A, Luketich J, Godfrey T. Is CDK6 the target of amplification at 7q21 in esophageal adenocarcinoma? Poster Presentation. 101st AACR Annual Meeting. American Association for Cancer Research; Washington, DC. April, 2010
 38. Hu Y, Hicks D, Godfrey T, Peters J, Tan D, Qiu X, Zhou Z. HER-2/Neu Overexpression and Amplification in Esophageal Adenocarcinoma and High Grade Dysplasia. **Platform Presentation.** USCAP Annual Meeting; Washington, DC. March, 2010
 39. Feng W, Zhou Z, Tan D. Stem Cell Markers CD44 and Nestin in Human Esophageal Adenocarcinoma and Its Precursor Lesions. Poster Presentation. USCAP Annual Meeting; Washington DC. March, 2010
 40. Feng W, Zhou Z, Tan D. Expression of S100p in Human Esophageal Adenocarcinoma and Its Precursor Lesions. Poster Presentation. USCAP Annual Meeting. Washington DC. March, 2010
 41. [Sepesi B](#), [Watson TJ](#), [Zhou Z](#), [Polomsky M](#), [Litle VR](#), [Jones CE](#), [Raymond DP](#), [Peters JH](#). Endoscopic Resection of Submucosal Esophageal Adenocarcinoma--A Word of Caution. American College of Surgeons 95th Annual Clinical Congress. Chicago, IL. October, 2009
 42. Feng W, Truong CD, Zhai J, Zhou Z, Tan D. Expression of Insulin-Like Growth Factor II mRNA-Binding Protein 3 (IMP3) in Human Esophageal Adenocarcinoma and Its Precursor Lesions. Poster Presentation. USCAP Annual Meeting; Boston, MA. March, 2009
 43. Zhou Z, Bagdasaryan R, Xu D. Comparison of the Neutrophil Volume with Manual Band Count, C-Reactive Protein and Absolute Neutrophil Count for Predicting Acute Infection. American Society for Clinical Pathology Annual Meeting. ASCP; Las Vegas, NV. October, 2006
 44. Zhou Z, Bagdasaryan R, Xu D. Comparison of the Neutrophil Volume Distribution Width with Manual Band Count, C-Reactive Protein and Absolute Neutrophil Count for Predicting Acute Infection. USCAP Annual Meeting; Atlanta, GA. March, 2006
 45. Sutherland SE, Zhou Z, et al. Female sexual dysfunction due to pain: androgenic influence on the pathophysiology of vulvar vestibulitis syndrome. The American Urological Association 2004 Annual Meeting; San Francisco, CA. May, 2004
 46. Zhou Z, Cogswell III LP, Strichartz, GR. A novel zwitteronic local anesthetic potently blocks neuronal Na⁺ channels. Annual Meeting of Society for Neuroscience. San Diego, CA. November, 2001
 47. Zhou Z, Strichartz GR. Interaction of Veratridine and Lidocaine on neuronal sodium channel. Annual Meeting of Society for Neuroscience. New Orleans, LA. November, 2000

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48. Chen X, Zhou Z, Strichartz GR, Davar G. Endothelin-1-mediated inhibition of inward barium current in sensory neuronal hybrid (F-11) cells. Annual Meeting of Society for Neuroscience; New Orleans, LA. November, 2000
49. Zhou Z, Poon C-S. Field potential measurement of synaptic accommodation in rat nucleus tractus solitarius in vitro. Annual Meeting of Society for Neuroscience. New Orleans, LA. October, 1997
50. Zhou Z, Poon C-S. Excitatory vestibular nucleus projections to nucleus tractus solitarius: implications for vestibular-autonomic interaction. Annual Meeting of Society for Neuroscience; Washington, DC. November, 1996
51. Poon C-S, Zhou Z, Champagnat J. Long-term synaptic depression in nucleus tractus solitarius of NMDAR1 knockout mice. Annual Meeting of Society for Neuroscience. Washington, DC. November, 1996
52. Zhou Z, Champagnat J, Poon C-S. Low-frequency stimulation induced accommodation, short-term and long-term depression in nucleus tractus solitarius. Fifth Annual Computational Neuroscience Meeting. Cambridge, MA. July, 1996
53. Zhou Z, Champagnat J, Poon C-S. Intracellular calcium is required for the maintenance but not induction of long-term depression in nucleus tractus solitarius. Platform presentation. 25th Annual Meeting of Society for Neuroscience. San Diego, CA. November, 1995

F. Reports

PRESENTATIONS: (Please list in either chronological order with newest or most current first OR in reverse chronological order, as desired)

A. Scientific (Basic Science):

B. Professional (Clinical):

1. Esophagus and G-E Junction—Histology and Pathology, Department of Surgery; URM, Rochester, NY. 8/2010
2. Cyclin E amplification and over expression in Esophageal Carcinoma; Esophageal Research Group, James P. Wilmot Cancer Center; URM, Rochester, NY. 6/2011
3. Biomarkers of Esophageal adenocarcinoma and precancerous lesion. Department of Pathology and Laboratory Medicine Tufts University Medical Center; Boston, MA. 3/2012
4. Esophageal adenocarcinoma and precancerous lesion—New concepts. Thoracic Tumor Pathology Conference III, Beijing, China. 7/2012
5. Lung FNA: morphology, classification and molecular test. Thoracic Tumor Pathology Conference III, Beijing, China. 7/2012
6. Clinical diagnosis and biomarkers of Esophageal adenocarcinoma and precancerous lesions. Beijing Hospital, Beijing, China. 7/2012
7. Biomarkers of Esophageal adenocarcinoma and precancerous lesion-new diagnosis tool. Temple University Medical Center, Philadelphia, PA. 5/2013
8. Lung FNA: interesting cases. Thoracic Tumor Pathology Conference IV, Shanxi, China. 7/2013
9. Diagnosis of esophageal adenocarcinoma and precancerous lesion. Thoracic Tumor Pathology Conference IV, Shanxi, China. 7/2013
10. Molecular biomarkers of esophageal adenocarcinoma and precancerous lesions. China-Japan Friendship Hospital; Beijing, China. 7/2013
11. Biomarkers of esophageal adenocarcinoma and precancerous lesions. Grand Round, Department of Pathology and Laboratory Medicine, University of Rochester; Rochester, NY. 4/2014
12. Different Metastatic Components from Anaplastic Thyroid Carcinoma in Mediastinal and Neck Lymph Nodes Simultaneously Diagnosed by FNA. Buffalo, Western New York Association of Pathologist 2015
13. Single and double immunostains on non-small cell lung carcinoma of EBUS-guided FNA sample and surgical resection tissues. USCAP; Boston, MA. 3/2015
14. Genomic study of esophageal adenocarcinoma and precancerous lesions and clinical application University of Minnesota, MN 4/2015
15. Cytopathological study for esophageal cancer and precancerous lesions using novel Esophacap methods. Boston University, Boston, MA 2015

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16. Genomic Study of Esophageal Adenocarcinoma and Precancerous Lesions and Cytologic Application University of Maryland 2015
17. Molecular markers of Esophageal Adenocarcinoma and Precancerous Lesions and Cytologic Application University of Florida 2015
18. Genomic Study of Esophageal Adenocarcinoma and Precancerous Lesions and New Cytologic Application University of Kentucky 2016
19. Bile acid receptors, TGR5 and VDR, in esophageal adenocarcinoma and precancerous lesions. 2nd Kress family esophageal cancer research meeting. Toronto, Canada 2016
20. EBUS-FNA Cytologic Diagnosis and PD-L1 Tests for the Lung Non-Small Cell Carcinoma. China-Japan Friendship Hospital; Beijing, China, 11/2016
21. Esophagus and Gastroesophageal Junction: Pathology and Basic Concept. National Thoracic Tumor Pathology Conference. Haikou, Hainan Province, China 12/2016
22. Interesting Lung Cytopathologic Cases. Chest Hospital, Shanghai Jiaotong University, Shanghai, China 12/2016
23. Molecular Biomarkers of Esophageal Adenocarcinoma and Precancerous Lesions and Possible Cytologic Application MD Anderson Cancer Center, 2016
24. Genomic study of esophageal adenocarcinoma and precancerous lesions and new cytologic application University of Chicago 2016
25. Development of molecular biomarkers and EsophaCap cytology test for screening BE and esophageal adenocarcinoma. University of Michigan 2017
26. Genomic study of esophageal adenocarcinoma and precancerous lesions and cytologic application Rutgers New Jersey Medical School 2017
27. Evaluation of PD-L1 and Other Immunohistochemical Tests for the Lung Non-Small Cell Carcinoma Cytologic Samples. ASC meeting present in ASC 2017
28. Progress of circulating tumor cells p 3rd Sino-US Cancer Diagnostic Pathology Summit. 9/2017
29. Diagnosing and screening esophagea/GEJ adenocarcinoma and precancerous lesions 3rd Sino-US Cancer Diagnostic Pathology Summit. 9/2017
30. Esophageal adenocarcinoma and precancerous lesion-concept and diagnosis. Cancer Institute and Hospital at Shenzhen, 2018. The Paris System for Reporting Urinary Cytology. Grand round of Urology, Washington University School of Medicine 10/2018