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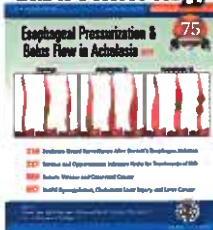
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490 Fasting Blood Glucose Levels Provide Estimate of Duration and Progression of Pancreatic Cancer Before Diagnosis

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A. Sharma, T. C. Smyrk, M. J. Levy, M. A. Topazian, and S. T. Chari

See editorial on page 265.

In pancreatic cancer blood sugars start rising up to 3 years before diagnosis, providing a sufficient window of opportunity for its early detection.

Basic and Translational—Alimentary Tract

501 Disruption of Epithelial HDAC3 in Intestine Prevents Diet-Induced Obesity in Mice

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J. Whitt, V. Woo, P. Lee, J. Moncivaiz, Y. Haberman, L. Denson, P. Tso, and T. Alenghat

This study demonstrates that HDAC3 expression in intestinal epithelial cells promotes diet-induced obesity and that butyrate reduces HDAC3 activity in these cells.

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The expression of light-activated channels in a subset of neurons in the gut enabled whole colonic motor behaviour and transit to be modified by brief, focal pulses of light.

529 Alterations in Enteric Virome Are Associated With Colorectal Cancer and Survival Outcomes

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G. Nakatsu, H. Zhou, W. K. K. Wu, S. H. Wong, O. O. Coker, Z. Dai, X. Li, C.-H. Szeto, N. Sugimura, T. Y.-T. Lam, A. C.-S. Yu, X. Wang, Z. Chen, M. C.-S. Wong, S. C. Ng, M. T. V. Chan, P. K. S. Chan, F. K. L. Chan, J. J.-Y. Sung, and J. Yu

This study reveals altered viral makeups in patients suffering from colorectal cancer. These viruses may serve as markers to diagnose the cancer early and prognosticate disease outcome.

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542 Germline Duplication of *SNORA18L5* Increases Risk for HBV-related Hepatocellular Carcinoma by Altering Localization of Ribosomal Proteins and Decreasing Levels of p53

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P. Cao, A. Yang, R. Wang, X. Xia, Y. Zhai, Y. Li, F. Yang, Y. Cui, W. Xie, Y. Liu, T. Liu, W. Jia, Z. Jiang, Z. Li, Y. Han, C. Gao, Q. Song, B. Xie, L. Zhang, H. Zhang, J. Zhang, X. Shen, Y. Yuan, F. Yu, Y. Wang, J. Xu, Y. Ma, Z. Mo, W. Yu, F. He, and G. Zhou

The authors identified a germline low-frequency duplication of *SNORA18L5* conferring genetic susceptibility to HBV-related HCC. *SNORA18L5* is a novel modulator of p53 inactivation through attenuating the ribosome biogenesis stress-RPs-MDM2-p53 pathway.

557 Mechanisms of MAFG Dysregulation in Cholestatic Liver Injury and Development of Liver Cancer

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T. Liu, H. Yang, W. Fan, J. Tu, T. W. H. Li, J. Wang, H. Shen, J. Yang, T. Xiong, J. Steggerda, Z. Liu, M. Nouredin, S. S. Maldonado, A. Annamalai, E. Seki, J. M. Mato, and S. C. Lu

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