

The American Journal of PATHOLOGY

Discoveries in Basic and Translational Pathobiology

Table of Contents

December 2020

Volume 190

Number 12

On the Cover: Macrophages (red) and Prox1-EGFP (green) in lymphatics and cardiac muscle of large pulmonary veins at 28 days after bleomycin administration. (See page 2355.)

2329 This Month in *AJP*

Regular Articles

Animal Models

- 2330** Corneal Opacity Induced by Light in a Mouse Model of Gelatinous Drop-Like Corneal Dystrophy
Yukiko Nagahara, Motokazu Tsujikawa, Ryota Koto, Koji Uesugi, Shigeru Sato, Satoshi Kawasaki, Kazuichi Maruyama, and Kohji Nishida

Biomarkers, Genomics, Proteomics, and Gene Regulation

- 2343** Long Noncoding RNA *DANCR* Regulates Cell Proliferation by Stabilizing SOX2 mRNA in Nasopharyngeal Carcinoma
Qiang Li, Yiming Jiang, Guansheng Zhong, Yanwei Lu, Tao Song, Yigan Zhang, Jianhui Wu, Minjun Zhang, Xiaodong Liang, Liheng Zhou, Jianming Tang, and Haibo Zhang

Cardiovascular, Pulmonary, and Renal Pathology

- 2355** Lymphatic Proliferation Ameliorates Pulmonary Fibrosis after Lung Injury
Peter Baluk, Ram P. Naikawadi, Shineui Kim, Felipe Rodriguez, Dongwon Choi, Young-Kwon Hong, Paul J. Wolters, and Donald M. McDonald

Cell Injury, Repair, Aging, and Apoptosis

- 2376** Inhibition of Histone Deacetylase 6 by Tubastatin A Attenuates the Progress of Osteoarthritis via Improving Mitochondrial Function
Yijing Zheng, Yuemiao Chen, Xiaolang Lu, Qihao Weng, Gaole Dai, Yang Yu, Kehe Yu, and Weiyang Gao
- 2387** High-Fat Diet–Induced Functional and Pathologic Changes in Lacrimal Gland
Xin He, Zhongyang Zhao, Shaopan Wang, Jie Kang, Minjie Zhang, Jinghua Bu, Xiaoxin Cai, Changkai Jia, Yixuan Li, Kechun Li, Peter Sol Reinach, Andrew J. Quantock, Zuguo Liu, and Wei Li

Gastrointestinal, Hepatobiliary, and Pancreatic Pathology

- 2403** CDK5RAP3 Deficiency Restrains Liver Regeneration after Partial Hepatectomy Triggering Endoplasmic Reticulum Stress
Shuchun Yang, Rui Yang, Huanmin Wang, Yue Huang, and Yuyan Jia

Immunopathology and Infectious Diseases

- 2417** Transient Receptor Potential Ankyrin 1 Is Up-Regulated in Response to Lipopolysaccharide via P38/Mitogen-Activated Protein Kinase in Dental Pulp Cells and Promotes Mineralization
Kento Tazawa, Nobuyuki Kawashima, Masashi Kuramoto, Sonoko Noda, Mayuko Fujii, Keisuke Nara, Kentaro Hashimoto, and Takashi Okiji

Machine Learning, Computational Pathology, and Biophysical Imaging

- 2427** Pathology of Idiopathic Pulmonary Fibrosis Assessed by a Combination of Microcomputed Tomography, Histology, and Immunohistochemistry

Naoya Tanabe, John E. McDonough, Dragoş M. Vasilescu, Kohei Ikezoe, Stijn E. Verleden, Feng Xu, Wim A. Wuyts, Bart M. Vanaudenaerde, Thomas V. Colby, and James C. Hogg

Molecular Pathogenesis of Genetic and Inherited Diseases

- 2436** A Uromodulin Mutation Drives Autoimmunity and Kidney Mononuclear Phagocyte Endoplasmic Reticulum Stress

Matthew Plotkin, Charles A. O'Brien, Joseph Goellner, Joshua Williams, Weleetka Carter, Shree Sharma, and Annjanette Stone

- 2453** Striated Preferentially Expressed Protein Kinase (SPEG)-Deficient Skeletal Muscles Display Fewer Satellite Cells with Reduced Proliferation and Delayed Differentiation

Qifei Li, Jasmine Lin, Samantha M. Rosen, Tian Zhang, Shideh Kazerounian, Shiyu Luo, and Pankaj B. Agrawal

Tumorigenesis and Neoplastic Progression

- 2464** Heat Shock Protein 27 Enhances SUMOylation of Heat Shock Protein B8 to Accelerate the Progression of Breast Cancer

Shuai Wang, Xinyan Zhang, Haiwei Wang, Yang Wang, Peng Chen, and Longgang Wang

- 2478** Somatic Mutations in *LRRK2* Identify a Subset of Invasive Mammary Carcinomas Associated with High Mutation Burden

Edgardo R. Parrilla Castellar, Jennifer K. Plichta, Richard Davis, Claudia Gonzalez-Hunt, and Laurie H. Sanders