

The American Journal of **PATHOLOGY**

Discoveries in Basic and Translational Pathobiology

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On the Cover: Fibroglandular breast tissue exists in close proximity to adipose tissue that undergoes structural alterations during obesity, including increased fibrosis and infiltrates of macrophages, visualized as crown-like structures. (See page 2019.)

1897 This Month in *AJP*

Review

- 1898** Mechanisms of Receptor Tyrosine-Protein Kinase ErbB-3 (ERBB3) Action in Human Neoplasia
Laurel E. Black, Jody F. Longo, and Steven L. Carroll

Commentary

- 1913** The Serotype-Specific Role of Regulator of Cov Polymorphisms in the Pathogenesis of Invasive Group A Streptococcal Infections
Stephan Brouwer and Mark J. Walker
★ Related article appears on page 2002.

Regular Articles

Biomarkers, Genomics, Proteomics, and Gene Regulation

- 1916** KH-Type Splicing Regulatory Protein Controls Colorectal Cancer Cell Growth and Modulates the Tumor Microenvironment
Francesco Caiazza, Katarzyna Oficjalska, Miriam Tosetto, James J. Phelan, Sinéad Noonan, Petra Martin, Kate Killick, Laura Breen, Fiona O'Neill, Blathnaid Nolan, Simon Furney, Robert Power, David Fennelly, Charles S. Craik, Jacintha O'Sullivan, Kieran Sheahan, Glen A. Doherty, and Elizabeth J. Ryan

Cardiovascular, Pulmonary, and Renal Pathology

- 1933** Localization and Regulation of Polymeric Ig Receptor in Healthy and Diseased Human Kidney
Krzysztof M. Krawczyk, Helén Nilsson, Jenny Nyström, David Lindgren, Karin Leandersson, Karl Swärd, and Martin E. Johansson

Cell Injury, Repair, Aging, and Apoptosis

- 1945** Effects of High Glucose—Induced Lysyl Oxidase Propeptide on Retinal Endothelial Cell Survival: Implications for Diabetic Retinopathy
Dongjoon Kim, Dayeun Lee, Philip C. Trackman, and Sayon Roy

Gastrointestinal, Hepatobiliary, and Pancreatic Pathology

- 1953** Endogenous Specialized Proresolving Mediator Profiles in a Novel Experimental Model of Lymphatic Obstruction and Intestinal Inflammation in African Green Monkeys
Felix Becker, Emily Romero, Jason Goetzmann, Dana L. Hasselschwert, Beth Dray, John Vanchiere, Jane Fontenot, J. Winny Yun, Paul C. Norris, Luke White, Melany Musso, Charles N. Serhan, J. Steven Alexander, and Felicity N.E. Gavins
- 1973** LRRc8A Expression Influences Growth of Esophageal Squamous Cell Carcinoma
Tomoki Konishi, Atsushi Shiozaki, Toshiyuki Kosuga, Michihiro Kudou, Katsutoshi Shoda, Tomohiro Arita, Hirotaka Konishi, Shuhei Komatsu, Takeshi Kubota, Hitoshi Fujiwara, Kazuma Okamoto, Mitsuo Kishimoto, Eiichi Konishi, Yoshinori Marunaka, and Eigo Otsuji

- 1986** Dichotomous Role of Plasmin in Regulation of Macrophage Function after Acetaminophen Overdose
Katherine Roth, Jenna Strickland, Nikita Joshi, Meihong Deng, Rebekah C. Kennedy, Cheryl E. Rockwell, James P. Luyendyk, Timothy R. Billiar, and Bryan L. Copple

Immunopathology and Infectious Diseases

- 2002** Polymorphisms in Regulator of CoV Contribute to the Molecular Pathogenesis of Serotype M28 Group A *Streptococcus*
Paul E. Bernard, Priyanka Kachroo, Jesus M. Eraso, Luchang Zhu, Jessica E. Madry, Sarah E. Linson, Matthew Ojeda Saavedra, Concepcion Cantu, James M. Musser, and Randall J. Olsen
★ Related Commentary appears on page 1913.

Matrix Pathobiology

- 2019** Obesity-Associated Extracellular Matrix Remodeling Promotes a Macrophage Phenotype Similar to Tumor-Associated Macrophages
Nora L. Springer, Neil M. Iyengar, Rohan Bareja, Akanksha Verma, Maxine S. Jochelson, Dilip D. Giri, Xi K. Zhou, Olivier Elemento, Andrew J. Dannenberg, and Claudia Fischbach

Metabolic, Endocrine, and Genitourinary Pathobiology

- 2036** The Origin of Follicular Bile Acids in the Human Ovary
Ruxandra A. Nagy, Harry Hollema, Daniela Andrei, Angelika Jurdzinski, Folkert Kuipers, Annemieke Hoek, and Uwe J.F. Tietge
- 2046** Integrated Molecular Analysis of Papillary Renal Cell Carcinoma and Precursor Lesions Unfolds Evolutionary Process from Kidney Progenitor-Like Cells
Rola M. Saleeb, Mina Farag, Qiang Ding, Michelle Downes, Georg Bjarnason, Fadi Brimo, Pamela Plant, Fabio Rotondo, Zsuzsanna Lichner, Antonio Finelli, and George M. Yousef

Molecular Pathogenesis of Genetic and Inherited Diseases

- 2061** Activation of PINK1-Parkin–Mediated Mitophagy Degrades Mitochondrial Quality Control Proteins in Fuchs Endothelial Corneal Dystrophy
Takashi Miyai, Shivakumar Vasanth, Geetha Melangath, Neha Deshpande, Varun Kumar, Anne-Sophie Benischke, Yuming Chen, Marianne O. Price, Francis W. Price, Jr, and Ula V. Jurkunas

Musculoskeletal Pathology

- 2077** Double-Stranded RNA Is a Novel Molecular Target in Osteomyelitis Pathogenesis: A Translational Avian Model for Human Bacterial Chondronecrosis with Osteomyelitis
Elizabeth Greene, Joshua Flees, Ahmed Dhamad, Adnan Alrubaye, Stephen Hennigan, Jason Pleimann, Mark Smeltzer, Sue Murray, Jennifer Kugel, James Goodrich, Avril Robertson, Robert Wideman, Douglas Rhoads, and Sami Dridi

Tumorigenesis and Neoplastic Progression

- 2090** Antitumor Activity of a Novel Fibroblast Growth Factor Receptor Inhibitor for Intrahepatic Cholangiocarcinoma
Chiara Raggi, Karim Fiaccadori, Mirella Pastore, Margherita Correnti, Benedetta Piombanti, Elisa Forti, Nadia Navari, Giovanni Abbadessa, Terence Hall, Annarita Destro, Luca Di Tommaso, Massimo Roncalli, Fanyin Meng, Shannon Glaser, Elisabetta Rovida, Caterina Peraldo-Neia, Paula Olaizola, Jesus M. Banales, Alessio Gerussi, Alessandra Elvevi, Michele Droz dit Busset, Sherrie Bhoori, Vincenzo Mazzaferro, Gianfranco Alpini, Fabio Marra, and Pietro Invernizzi
- 2102** Blockade of Lymphangiogenesis Shapes Tumor-Promoting Adipose Tissue Inflammation
Marek Wagner, Eli Sihn Steinskog, and Helge Wiig