

# PHARMACOLOGICAL REVIEWS

A Publication of the American Society for Pharmacology and Experimental Therapeutics

October 2020

Volume 72, Number 4

## IUPHAR Nomenclature Report

International Union of Basic and Clinical Pharmacology. CIX. Differences and Similarities between Human and Rodent Prostaglandin E<sub>2</sub> Receptors (EP1–4) and Prostacyclin Receptor (IP): Specific Roles in Pathophysiologic Conditions

910

*Xavier Norel, Yukihiko Sugimoto, Gulsev Ozen, Heba Abdelazeem, Yasmine Amgoud, Amel Bouhadoun, Wesam Bassiouni, Marie Goepp, Salma Mani, Hasanga D. Manikpurage, Amira Senbel, Dan Longrois, Akos Heinemann, Chengcan Yao, and Lucie H. Clapp*

## Review Articles

Sex Differences in the Epilepsies and Associated Comorbidities: Implications for Use and Development of Pharmacotherapies

767

*Catherine A. Christian, Doodipala Samba Reddy, Jamie Maguire, and Patrick A. Forcelli*

On the Clinical Pharmacology of Reactive Oxygen Species

801

*Ana I. Casas, Cristian Nogales, Hermann A. M. Mucke, Alexandra Petraina, Antonio Cuadrado, Ana I. Rojo, Pietro Ghezzi, Vincent Jaquet, Fiona Augsburger, Francois Dufrasne, Jalal Soubhye, Soni Deshwal, Moises Di Sante, Nina Kaludercic, Fabio Di Lisa, and Harald H. H. W. Schmidt*

Is Oxytocin “Nature’s Medicine”?

829

*C. Sue Carter, William M. Kenkel, Evan L. MacLean, Steven R. Wilson, Allison M. Perkeybile, Jason R. Yee, Craig F. Ferris, Hossein P. Nazarloo, Stephen W. Porges, John M. Davis, Jessica J. Connelly, and Marcy A. Kingsbury*

RNA Drugs and RNA Targets for Small Molecules: Principles, Progress, and Challenges

862

*Ai-Ming Yu, Young Hee Choi, and Mei-Juan Tu*

Development of Novel, Value-Based, Digital Endpoints for Clinical Trials: A Structured Approach Toward Fit-for-Purpose Validation

899

*M. D. Kruizinga, F. E. Stuurman, V. Exadaktylos, R. J. Doll, D. T. Stephenson, G. J. Groeneveld, G. J. A. Driessen, and A. F. Cohen*