Meet Our Editorial Board Member

Jianjie Ma
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Dr. Jianjie Ma started his career in physiology, investigating the wonders of Ca signaling and excitation-contraction coupling. Dr. Jianjie Ma participated in the discovery of ryanodine receptor as a functional Ca release channel, and received 3 years of training in molecular physiology and biophysics at Baylor College of Medicine, obtaining a Ph.D. in 1989. After two years of postdoctoral training at Rush University, Dr. Ma was promoted to become an assistant professor in 1991 and started his independent academic career at the Case Western Reserve University in 1992. In 2001, Dr. Ma was recruited to Rutgers University – Robert Wood Johnson Medical School as a university-named professor, where he established the graduate program in physiology and integrative biology.

In 2008, Dr. Ma’s laboratory discovered MG53 as a key member of the cell membrane repair machinery. They solved the mechanism that underlies MG53’s role in nucleating the assembly of the cell membrane repair machinery and identified several interacting partners for MG53 that contribute to the tissue injury-repair and regeneration process in physiology and disease and in the modulation of stem cell regeneration associated with chronic tissue injuries. More recently, Dr. Ma’s team uncovered a new function for MG53 – as a novel mediator of anti-inflammation.

Currently, Dr. Jianjie Ma serves as the Karl P. Klassen chair of thoracic surgery and vice-chair of research in the department of surgery at The Ohio State University. His research focuses on aging biology, cardiovascular disease, regenerative medicine, and cancer research. His laboratory is working on developing MG53 as a potential therapeutic agent to treat acute tissue injuries, for wound healing, viral infections, and aging-related diseases.

SELECTED PUBLICATIONS


