

VERSATILE FUNCTIONS OF RND3/RHOE IN HEART AND BRAIN

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CBB, Rm 106

Rnd3, also called RhoE, is a small GTPase. It has been believed that Rnd3 functions as an endogenous inhibitor of Rho kinase signaling. The talk will expand the current knowledge of this concept and demonstrate the diversified functions of Rnd3 in heart and brain development, calcium handling and angiogenesis.



Jiang Chang

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SPEAKER BIO

Jiang Chang received his Ph.D. in Physiology from Texas A&M university and his Bachelor's and Master's of Medicine from the Wuhan University Faculty of Medical Sciences in Wuhan, China. Chang is currently an Associate Professor in the Institute of Biosciences and Technology at the Texas A&M University Health Science Center.

Chang has dedicated his career to the investigation of molecular and cellular mechanisms involved in cardiac maladaptive remodeling as a result of various pathological conditions including ischemia/reperfusion, hemodynamic stress, and hyperlipidemia. The ultimate goal from his mechanistic studies is to provide clinical translation for the prevention and treatment of heart disease. His lab has been very successful taking comprehensive and molecular approaches in the generation and analysis of clinically-relevant genetic mouse models, and in mechanistic studies.

Contact Professor Jiming Bao at jbao@uh.edu if you would like to arrange for a time to meet with Dr. Chang.

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