



TARA

Life Science Center of
Tsukuba Advanced Research Alliance

TARA Seminar

15:00~16:00, Fri. Sept. 23rd, 2016

Seminar room, Building A, TARA Center

Dr. Ivana Vaněčková

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The role of endothelin system in hypertension and end-organ damage

高血圧と末期臓器障害におけるエンドセリン系の役割

Endothelin-1 is an extremely potent vasoconstrictor which was originally isolated from endothelial cells. Its effects are mediated through two types of receptors – ETA mediating arterial vasoconstriction and ETB mediating relaxation of arteries. ET-1 is associated with a wide range of diseases, ranging from cancer to pulmonary, renal and cardiac injury. Our seminar will present our results from experiments with endothelin receptor blockers performed in Ren-2 transgenic rats (a model of angiotensin II-dependent hypertension) in hypertension and chronic kidney disease, with special focus on the age at which the pharmacological interventions are applied.

Organizer; Prof. Hiromi Yanagisawa <hkyanagisawa @ tara.tsukuba.ac.jp>

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