

# Cardiovascular Disease Model Satellite

incorporating the 20<sup>th</sup> International SHR Symposium & 58<sup>th</sup> Japanese SHR Meeting

## State-of-the-art lecture in the 58th Japanese SHR Meeting



### **Josef Zicha (Czech Republic) - Salt hypertension in Dahl rats: the causal interactions of sympathetic nervous, renin-angiotensin and nitric oxide systems**

*“Dahl salt-sensitive (Dahl S) rats are a classical model of salt-sensitive hypertension. In this lecture, I will present our data for causal interactions of sympathetic nervous, renin-angiotensin and nitric oxide systems in the study of salt hypertension development using Dahl S rats. Through chronic interventions which attenuate salt hypertension development in Dahl S rats, we have found a significant attenuation of sympathetic tone. Thus, sympathetic hyperactivity is indicated to be a driving pathogenetic mechanism of salt hypertension.”*