Redox homeostasis and cardiovascular function in health and disease

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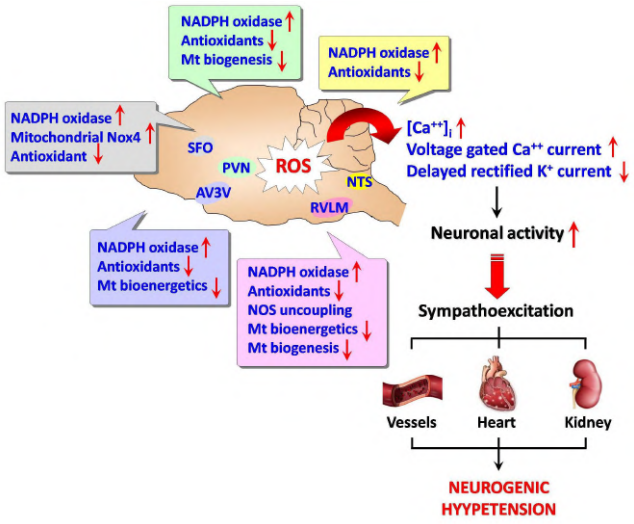
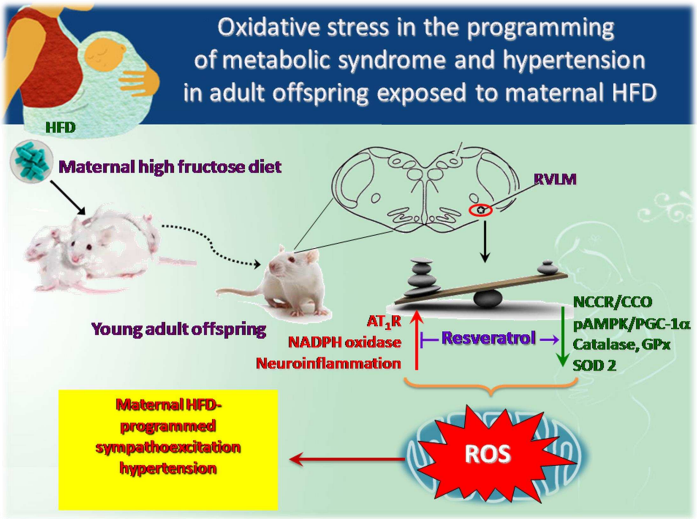
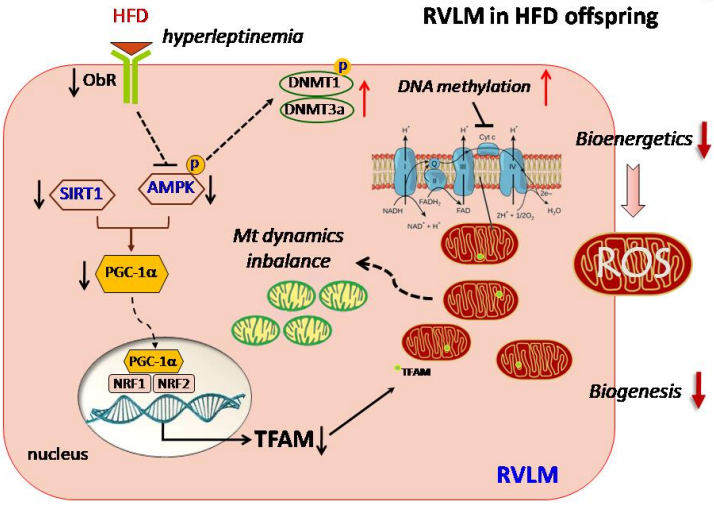
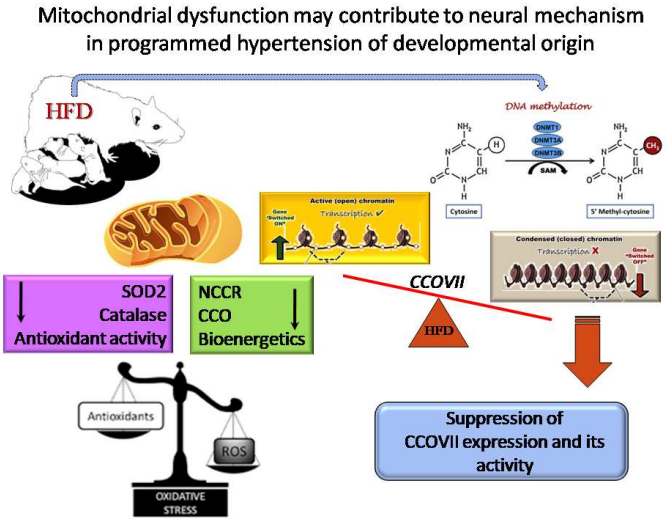
This PI has a long lasting research interest in the study of molecular and cellular mechanisms underlying oxidative stress-associated cardiovascular diseases, including hypertension, inflammation and metabolic syndrome. Topics of her research include neural mechanism in diabetes associated-hypertension, developmental programming of adult health and disease, trauma-associated dysfunction of autonomic nervous system and mitochondrial dysfunction in pathogenesis of hypertension. Major activities of her research team are highlighted below.

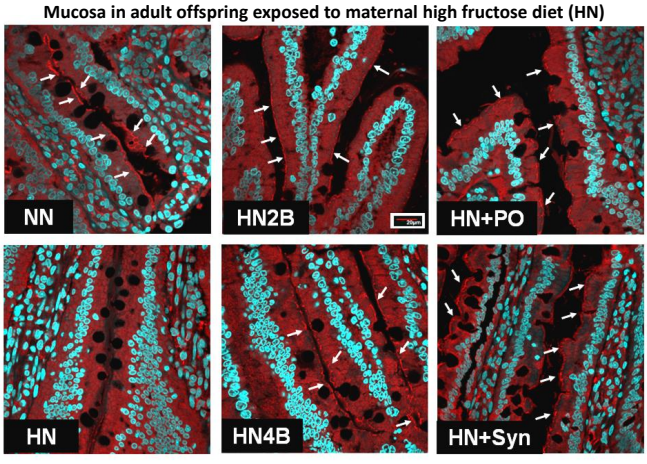








Butyrate (B, 2% or 4%), probiotics (PO) and synbiotics (Syn) significantly preserve tight junction (ZO-1 expression, indicated by arrows) in epithelial cells of intestinal Mucosa in adult offspring exposed to maternal high fructose diet (HN)



People who did the work