

# 講演会のご案内

Speaker : **Dr. Elena Ziviani**, Dept. Biology, Univ. Padua, Italy  
(イタリア・パドヴァ大学・生物学部門)

Title : **Eat me! Mitochondria morphology and mitophagy in health and disease**  
(Eat me ! ミトコンドリア形態とマイトファジーの生理病態)

Abstract : Regulation of mitochondria dynamics is required to respond to changes in metabolism and during mitochondria autophagy (mitophagy). Mitochondria fission followed by fusion is required to segregate dysfunctional mitochondria and allows their elimination by selective autophagy. In addition, mitochondria elongate during starvation to self-preserve from autophagic degradation and sustain cell viability. Therefore, mitochondria shape and dynamic is not random, it tightly correlates to mitochondria fitness and activity and it can affect survival. I will show how manipulation of mitochondria dynamics and the core components of mitochondria fission and fusion can impact mitophagy and ameliorate in vivo the condition of animal model of neurodegenerative diseases such as Parkinson's disease.

日 時: 平成28年3月7日(月) 11時00分～12時00分

場 所: 薬学研究科 沢井ホール (1号館4階)

連絡先: 薬学研究科 神経薬理学分野 橋本 均 (代: 吾郷由希夫, 内線8168)

主 催: 頭脳循環を加速する戦略的国際研究ネットワーク推進プログラム  
酸化ストレス仮説に基づく新規精神疾患創薬のための国際共同研究 (S2603)