# **장강롱 박사 (중국 시안 자오퉁 대학교)**



미토콘드리아는 세포 ATP 공급과 세포자살 신호 전달의 핵심 기관이다. 생리적·병리적 조건에서 미토콘드리아 대사를 탐색하고, 미토콘드리아 기능을 향상시키고 신경퇴행과 영양불균형 과정에서 손상된 미토콘드리아 항상성을 유지하기 위해 미토콘드리아 표적분자를 추구하는 일에 종사하고 있다.
2007년 H2의 항산화 효과가 발견된 이후 최근 H2가 미토콘드리아 호흡능력과 2상 효소 활성화에 미치는 유익한 효과를 확인했다. 이에 H2가 '미토콘드리아 영양소'로 작용해 노화 관련 질병과 대사증후군 예방 및 치료에 매우 유망한 분자가 될 것으로 판단했다.

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**전문분야**
미토콘드리아 변성과 노화, 신경퇴행성 질환 및 대사증후군에 대한 치료적 개입

Career Summary

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* 2008-2009 Postdoctoral fellow, Banner (Sun) search Institute, AZ, USA
* 2006-2008 Postdoctoral fellow, Institute for Brain Aging and Dementia, University of California,
Irvine , CA, and Children’s Hospital Oearch Institute, CA, USA

Research publication

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