MUI Lecture Series

LC3-Associated Phagocytosis: Two ancient pathways collide at the interface of immunity, inflammation and aging.

Professor Douglas R. Green
St. Judes Childrens Hospital
Memphis, TN

12 October 2015
5:00 pm
CCB, M.01.470 + M.01.490
Innrain 80, 6020 Innsbruck

Prof. Douglas Green is the Peter C. Doherty Endowed Chair of Immunology at St Jude Children's Research Hospital. Professor Green received his PhD from Yale University, following which he joined the faculty at the University of Alberta before moving to La Jolla. His research has focused on the process of active cell death and cell survival, extending from the role of cell death in the regulation of cancer and immune responses in the whole organism to the fundamental molecular events directing the death of the cell. This work began with his discovery of activation-induced apoptosis in T lymphocytes, the finding that Cytochrome C is released from mitochondria to trigger caspase-activation as well as the observation that phosphatidyl-serine is an early hallmark of apoptotic cells. These are themes that he continues to study. More recently, he discovered the process of LC3-associated phagocytosis, which links the autophagy pathway to phagosome maturation. Other areas of intense interest include regulated necrosis, metabolic reprogramming in T lymphocytes, and the function of the tumor suppressor, p53. He has published over 500 papers, chapters, and books, and is an ISI "highly cited" investigator.

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