



SCHOOL OF MEDICINE

CASE WESTERN RESERVE
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Congratulations to Michael R. Duchen, winner of the 2018 Charles L. Hoppel Prize for Outstanding Contributions in Mitochondrial Research!



The prize is supported by an endowment that was established to honor Dr. Hoppel's service to Case Western Reserve University School of Medicine and his distinguished career in mitochondrial biology as a researcher, educator and mentor.

The winner of the second Charles L. Hoppel Prize, Michael Duchen, MB, PhD, is a Professor of Physiology in the Department of Cell and Developmental Biology at the University College London. Dr. Duchen was selected from a highly competitive pool of nominees based on the recognition of his contributions as an innovative pioneer and world leader in mitochondrial physiology. Moreover, his commitment to students and colleagues and his continued service to the broader community reflect the values that Charles Hoppel has displayed over his 50-year career as an academic scientist.

In a career spanning more than 30 years, Dr. Duchen has distinguished himself as an altruistic champion for the study of mitochondrial biology in the context of major human diseases. He had the vision to develop novel technologies to study dynamic changes in mitochondrial function within living cells and tissues in real time. These techniques are now standard in the field. Dr. Duchen's work has been at the vanguard of pioneering discoveries on the central role of mitochondria in regulating cell calcium and free radical signalling and as gatekeepers of cell life and death, thereby identifying potential therapeutic targets in human disease.

Besides his research accomplishments, Dr. Duchen's other career contributions have exemplified many of the values and attributes of Charles Hoppel's career. He created, organized and leads the UCL Consortium for Mitochondrial Research as a mechanism to bring together like-minded colleagues from different disciplines. He assembled and manages a core mitochondrial research facility as an open access service, and has run a number of international workshops and symposia on mitochondrial biology and metabolism in health and disease. Dr. Duchen has a heartfelt commitment to educating graduate and medical students and continually demonstrates the importance of translational studies that target human pathologies.

Dr. Duchen will receive the Prize on the occasion of presenting the second annual Charles L. Hoppel Lecture in the fall of 2018 at Case Western Reserve University School of Medicine, where he will describe the research leading to his current investigations.