

Weekly Colloquium

Tuesday, 4/18/2017, 12:30pm, Billings Building – Rosedale Conference Room

"Translating Mitochondrial Biology to the Clinic"

Victor M. Darley-USmar, Ph.D.
Associate Dean for Research

Endowed Professor in Mitochondrial Medicine and Pathology
University of Alabama, Birmingham



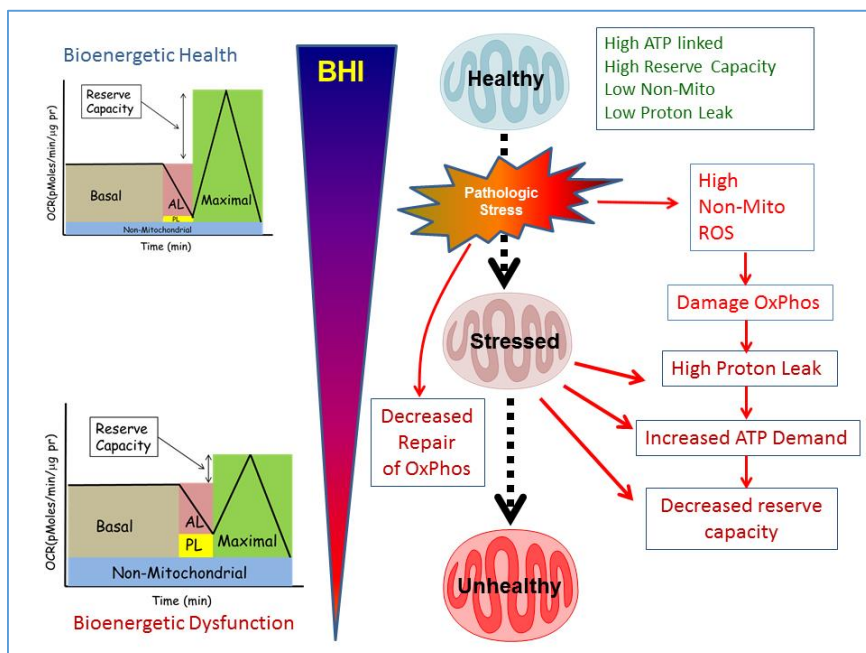
Victor Darley-USmar received his Ph.D. at the University of Essex in England and then moved to the University of Oregon as a Post-Doctoral Fellow to pursue his interests in the structure and function of mitochondrial proteins in human disease. After a period as a lecturer in Japan and ten years as a Research Scientist in Burroughs Wellcome in London he joined UAB to establish his own research group in the Department of Pathology in 1995. He has received multiple awards for training and mentoring and served as the Associate Dean for Post-Doctoral Education and the Pathology Graduate Program Director. He established the UAB Center for Free Radical Biology from 2006-2015 as an international center for research in redox biology. In his role of Vice-Chair for Research he brings his experience in the commercial sector and career development programs to the strategic management of departmental research and faculty development. In his own research program he has been instrumental in defining how redox biology modifies mitochondrial function in pathology and in recognition of these achievements was awarded a Lifetime Achievement Award by the Society for Free Radical Biology and Medicine in 2012. At UAB his contribution to research in mitochondrial pathology was recognized by his appointment as the Foundation Faculty for the "Endowed Professorship in Mitochondrial Medicine and Pathology". He is now developing a program to apply measures of bioenergetic health to personalized medicine. He was a recent recipient of the prestigious "Creativity is a Decision" and "Blue Sky" awards from UAB for the Bioenergetic Health Index concept. He has been continuously funded by NIH for 20 years and has published over 300 articles with an H factor of 92.

Recent Publications:

Levonen AL, Hill BG, Kansanen E, Zhang J, Darley-USmar VM. (2014) Redox regulation of antioxidants, autophagy, and the response to stress: Implications for electrophile therapeutics. Free Radic Biol Med. 71:196-207

Chacko, B.K. Kramer, P.A., Ravi, S, Benavides, G.A., Mitchell, T., Dranka, B.P., Ferrick, D., Singal, A.K., Ballinger, S.W., Bailey, S.M., Hardy, R.W., Jianhua Zhang, J, Zhi, D., and Darley-USmar, V.M. (2014) The Bioenergetic Health Index: A New Concept in Mitochondrial Translational Research. Clinical Science 127(6):367-7.

Wende AR, Young ME, Chatham J, Zhang J, Rajasekaran NS, Darley-USmar VM. (2016) Redox biology and the interface between bioenergetics, autophagy and circadian control of metabolism. Free Radic Biol Med. (16)30270-2.



For more information contact: dwhite@burke.org

Burke Medical Research Institute

Academic Affiliate of Weill Cornell Medicine

785 Mamaroneck Avenue, White Plains, NY 10605 | T. 914.597.2551 | www.burke.org