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Mitochondria-associated membranes (MAM) is an important hub for several signaling pathways controlling metabolic homeostasis. The new role of MAM in insulin and nutrient signaling, and in steroid and lipoprotein metabolism (left), as well as their role in unfolded protein response (UPR) signaling (middle), mitochondria bioenergetics, autophagy and in immune signalling (right), participating to the control of metabolic homeostasis. From Tubbs & Rieusset R87–R106.

Credit: E Tubbs (Lund University Diabetes Centre, Sweden) & J Rieusset (Charles Merieux Lyon-Sud Medical Universities, Lyon, France)