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Professor Honoris Causa State University Lomonosov Moscow Russia, Professor Honoris Causa University of Moron Argentina, Miembro Correspondiente Extranjero Academia Nacional de Medicina de Buenos Aires, Mendel Medal of the Science Academy of Praha, Premio Nazionale di Meridionalistica, Guido Dorso per la Ricerca, 1984. Former Full Professor University of Bari, Aldo Moro. Author of more than 300 papers. Co-editor of proceedings of numerous international conferences. Sergio Papa research contributions concern: cellular and molecular bioenergetics, regulation and pathophysiological dysfunction of mitochondrial oxidative phosphorylation (OXPHOS) in ageing, metabolic mitochondrial pathways, experimental verification of the chemiosmotic theory of OXPHOS, proposal and experimental verification of allosteric cooperative mechanisms of protonmotive respiratory enzymes, regulation by cAMP of mitochondrial OXPHOS, gene and biochemical characterization of mitochondrial familial neurodegenerative diseases.

Related Publications.

The mechanism of coupling between oxido-reduction and proton translocation in respiratory chain enzymes. S. Papa, G. Capitanio, F. Papa, Biol. Rev. 2017, doi:10.1111/brv.12347

The intramitochondrial cAMP regulates the functional activity, coupling efficiency and structural organization of mammalian F₀F₁ ATP synthase. D. De Rasmio, L. Micelli, A. Santeramo, A. Signorile, P. Lattanzio, S. Papa, Biochim Biophys Acta 2016, 1857, 350

Oncogenic K-ras expression is associated with derangement of the cAMP/PKA pathway and forskolin-reversible alterations of mitochondrial dynamics and respiration. Palorini R1, De Rasmio D, Gaviraghi M, Sala Danna L, Signorile A, Cirulli C, Chiaradonna F, Alberghina L, Papa S. Oncogene. 2013 Jan 17;32(3):352-62. doi: 10.1038/onc.2012.50. Epub 2012 Mar 12.

Complex I deficiencies in neurological disorders. Papa S, De Rasmio D. Trends Mol Med. 2013 Jan;19(1):61-9

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