Benjamin Bonavida, PhD, Editor-in-Chief

Benjamin Bonavida, PhD, the series editor, is currently a Distinguished Research Professor at the University of California, Los Angeles (UCLA). He is affiliated with the Department of Microbiology, Immunology and Molecular Genetics at the UCLA David Geffen School of Medicine. His research career thus far has focused on investigations in the fields of basic immunochemistry and cancer immunobiology, and his research investigations have ranged from the biochemical, molecular, and genetic mechanisms of cell-mediated killing and tumor cell resistance to chemo-immuno-cytotoxic drugs. Dr. Bonavida has also investigated the reversal of tumor cell resistance using various sensitizing agents based on molecular mechanisms of resistance. In these investigations, there was the newly characterized dysregulated NF-κB/Snail/YY1/RKIP/PTEN loop in many cancers that was reported to regulate cell survival, proliferation, invasion, metastasis, and resistance. The emphasis of this research was on the roles of the tumor suppressor Raf Kinase Inhibitor Protein (RKIP), the tumor promoter Yin Yang 1 (YY1), and the role of nitric oxide as a chemo-immuno-sensitizing factor. Many of the earlier mentioned studies are centered on the clinical challenging features of cancer patients’ failure to respond to both conventional and targeted therapies.

Dr. Bonavida has been active in the organization of regular sequential international mini-conferences that are highly focused on the roles of YY1, RKIP, and nitric oxide in cancer and their potential therapeutic applications. He has edited or co-edited several books and served as the series editor for more than 23 books published by Springer regarding resistance to anti-cancer targeted therapeutics. He is presently the series editor of three series published by Elsevier/Academic Press on cancer-sensitizing agents for chemotherapy, sensitizing agents for cancers resistant to cell-mediated immunotherapy, and breaking tolerance to anti-cancer immunotherapy. He also serves as the editor-in-chief of the journal Critical Reviews™ in Oncogenesis and has published more than 500 research publications and reviews in various scientific journals of high impact.

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