



Professor Joseph Davis

Ph.D., PGDM., DMLT (CMCH)

Department of Biotechnology

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Publications: 27

Patents: 3

Specialization: R&D of small molecule drugs and biologics, Cell Biology (Specialization – Glycobiology), Animal Cell culture, Biochemistry, Enzymology, Medical Technology, Infectious Diseases, Immunological Methods

Research Interests

Dr. Davis was a trained Biologist and acquired his Ph.D. from Christian Medical College & Hospital, Vellore in Biomedical Faculty. His postdoctoral research was from The Burnham Institute and University of California, San Diego, California. He has studied a rare group of diseases termed Congenital Disorders of Glycosylation (CDG) and the enzyme ATPase kinetic mechanism funded by NIH, Bethesda. Dr. Davis is also an experienced drug discovery professional having more than 14 years Research & Development (R&D)

experience in national and multinational pharmaceutical companies like Ranbaxy Laboratories, Daiichi-Sankyo Pharmaceutical (Japan) and Orchid Chemicals & Pharmaceuticals. He is a recipient of many awards such as Winner, Daiichi Sankyo Team of the Year for anti-malaria research, Ranbaxy Team Excellence awards and UGC-CSIR and GATE Fellowships

The main research interests of Dr. Davis are to continue R&D research in emerging therapeutic domains like diabetes, inflammatory diseases, cancer, infectious diseases and phytomedicine; To set up facility for screening of compounds against battery of assays (both cell-based and cell-free) for consultation and collaboration with Industries and Academia; To set up facility for bioassay-guided fractionation for Phytomedicine research; To set up facility for new or generic enzymes/protein research involving cloning, expression, purification and characterization.