

TECHNICAL SKILLS:

RNA extraction, DNA extraction, RT-PCR, Real -Time RT-PCR, southern blotting, Protein electrophoreses, western blotting, sectioning frozen tissue, DAB immunohistochemistry, fluorescent immunohistochemistry ,histological analysis of tissue samples, handling of laboratory mice, microscopy, plasmid DNA purification, bacterial transformation

Cell Culture work: maintenance, differentiation, transfection, protein extraction, Cell toxicity assays, flow cytometry, 3D microlithography patterning

PRESENTATIONS/ PUBLICATIONS:**Poster Presentation:**

AF64A-Induced Caspase-3 Activity is Attenuated by C3, A Low Molecular Weight Glycosaminoglycan. B.Dudas;U. Cornelli; A.Lemes; I. Hanin. Society of Neuroscience 2003.

Low Molecular Weight Glycosaminoglycan C3 Attenuates AF64A-Stimulated, Nerve Growth Factor (NGF) Receptor-Immunoreactive Axonal Varicosities in the Rat Septum. A.Pavlovich; B.Dudas; U.Cornelli and I. Hanin. American Society for Pharmacology and Experimental Therapeutics. 45 (2) June 2003.

Testing the Polyglutamine Hypothesis of HDL2.

D.D.Rudnicki;A.Pavlovich;S.E.Holmes;C.A.Ross; R.L.Margolis. Society of Neuroscience 2004.

Huntington's Disease-Like 2 (HDL2) is Associated with RNA Intranuclear Inclusions.

D.D.Rudnicki; A. Pavlovic; H.S.Hyon; M.lin;C.A.Thornton; O. Pletnikova; S.E.Holmes;J.Troncoso; C.A.Ross; R.L.Margolis. Society of Neuroscience 2005.

Paper:

Neuroprotective properties of glycosaminoglycans: potential treatment for neurodegenerative disorders. Dudas B, Rose M, Cornelli U, Pavlovich A, Hanin I. Neurodegener Dis. 2008;5(3-4):200-5. Epub 2008 Mar 6

Book Chapter:

“Prospective Role of Glycosaminoglycans in Apoptosis Associated with Neurodegenerative Disorders” Bertalan Dudas, Amira Lemes, Umberto Cornelli and Israel Hanin. Advances in Behavioral Biology Volume 57, 247-254 December 26, 2007