

BIOGRAPHICAL SKETCH

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NAME: Denaro, Frank, J.	POSITION TITLE: Associate Professor, Director of Histology Core		
INSTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
NM Institute of Technology, Socorro, New Mexico	BS	1974	Physics
NM Institute of Technology, Socorro, New Mexico	BS	1975	Psychology & Biology
State University of New York at Stony Brook	MS	1984	Biopsychology
State University of New York at Stony Brook	PHD	1986	Biopsych/Neurosciences
University of California San Diego	Post Doc	1980-	Neuro. Dev.& Neuropath

Previous positions

- 1977-80 Histologist, Dept. of Anatomy, SUNY Stony Brook, New York
 1978-80 Electron Microscopist, Dept of Orthopedics, SUNY Stony Brook
 1982-1984 Supervisor, Neuropathology Laboratory and Postgraduate Research Fellow, UCSD Medical Center, San Diego, (Laboratory of Dr. Peter Lampert)
 1984-86 Neuropathology Research Fellow, UCSD Medical Center, (Laboratory of Dr. Peter Lampert)
 1987-90 Virology Research Fellow, Dept of Peds/Infectious Diseases, UCSD Medical Center, CA
 1990-98 Assistant Professor, Depts. of Neurology, Psychiatry and Pathology, Texas Tech Univ. HSC, Lubbock, TX
 1997-99 Sabbatical Leave from TTUHSC to the Institute of Human Virology, Director Robert Gallo
 1999- Assistant Professor HIV, Animal Models Division, Univ. Maryland, Baltimore, MD
 2002- Associate Professor of Biology Morgan State University, Baltimore, MD
 2002- Director of the RCMI Histology Core

Awards and Honors

1. The Society for Neuropathology Moore Award (With Colleagues, 1986), 2. Charles Louis Davis Foundation Award (With Colleagues, 1991), 3. Deans Research Award, TTHSC 1996 4. Researcher of the Year, Morgan State Univ. 2004

Abstracts and Presentations (From over 150):**Publications (Selected articles from over 40)****Reviews and Book Chapters**

1. Edelstein, L. and Denaro, F. J., The Neurobiology of Consciousness and Sir Francis Crick. *Cellular and Molecular Biology* 2004, **50** (6), 671-673. Introductory comment to Review. *Vida Infra*.
 2. Edelstein, L. and Denaro, F. J., The Claustrum: A Historical Review of its Anatomy, Physiology, Cytochemistry and Functional Significance. *Cellular and Molecular Biology*, 2004, **50** (6), 675-702.
 3. Spector, S., Denker, W.M., Denaro, F.J., and Spector, D.H. 1988. DNA Probes for the Detection of Human Cytomegalovirus, CRC Press, Inc., pp135-143.

Research papers

4. Lidsky, T.I., Robinson, J.H., Denaro, F.J., and Weinhold, P.M., Trigeminal Influences on Entopeduncular Units. *Brain Research* 1978, **141**(2): 227-234.
 5. Podbros, L.Z., Stamm, J.S., and Denaro, F.J., Associative Function of the Arcuate Segment of the Monkey's Prefrontal Cortex. *Physiology and Behavior* 1980, **24**(1): 103-109.
 6. Schneider, J.S., Denaro, F.J., Olazabel, U.E., and Leard, H.O., Stereotaxic Atlas of the Trigeminal Ganglion in the Rat, Cat, and Monkey. *Brain Research Bulletin* 1981, **7**(1): 93-95.
 7. Schneider, J.S., Denaro, F.J., and Lidsky, T.I., Basal Ganglia: Motor Influences Mediated by Sensory Interactions. *Experimental Neurology* 1982, **77**(3): 534-543.
 8. Denaro, F.J., The Detection of Serotonin: An Additional Approach for Diagnosing Amebiasis. *J. Medical Hypotheses* 1984, **14**(3): 281-283.
 9. Denaro, F.J., A Stereotaxic Atlas of the M. *facicularis* and an Allometric Evaluation of the Primate Basal Ganglia. Doctoral Dissertation, Dept of Psychology, State University of N.Y. at Stony Brook, N.Y., 1986.
 10. Wiley, C.A., Schrier, R.D., Denaro, F.J., Nelson, J.A., Lampert, P.W., and Oldstone, M.B., Localization of

- Cytomegalovirus Proteins and Genome During Fulminant Central Nervous System Infection in an AIDS Patient. *Journal of Neuropathology and Experimental Neurology* 1986, **45**(2): 127-139.
11. Schneider, J.S., and Denaro, F.J., Astrocytic Responses to the Dopaminergic Neurotoxin 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine in the Cat and Mouse Brain. *J. of Neuropathol. and Exper. Neurol.* 1988, **47**(4): 452-458.
 12. Bartzatt, R., and Denaro, F.J., Detection of Parainfluenza I Glycoproteins on Cell Membrane by Means of Lectin Cytochemistry. *Journal of Histotechnology* 1988, **2**: 91-94.
 13. Dittrich, H., Chow, L., Denaro, F.J., and Spector, S., Human Immunodeficiency Virus, Coxsackievirus and Cardiomyopathy. *Annals of Internal Medicine* 1988, **108**(2): 308-309.
 14. Spector, S.A., Hsia, K., Frank Denaro, and Spector, D. H., Use of Molecular Probes to Detect Human Cytomegalovirus and Human Immunodeficiency Virus. *Clin. Chem.* 1989, **35**(8): 1581-1587.
 15. Harvey, J.W., Calderwood-May, M.B., Gropp, U.E., and Denaro, F.J., Polysaccharide Storage Myopathy in Canine Phosphofructokinase Deficiency (type VII glycogen storage disease). *Veterinary Path.* 1990, **27**(1): 1-8.
 16. Denaro, F.J., Use of the Hu-SCID Mouse to Investigate HIV Neuropathology. In: L. Vitkovic, Ellen Stover, and Stephen H. Koslow, Animal Models Recapitulate Aspects of HIV/CNS Disease. *AIDS Research and Human Retroviruses* 1995, **2**(6): 753-759.
 17. Denaro, F.J., Jose L. Lopez-Ribot, and W. LaJean Chaffin. Adhesion of *Candida albicans* to Brain Tissue of Macaca mulata in an Ex Vivo Assay. *Infection and Immunity* 1995, **63**(9): 3438-3441.
 18. Frankl, S. M. and F. J. Denaro, Peripheral Nerve Teasing: Two Protocols for Diagnosis and Research. *The Journal of Histotechnology* 1998, **21** (1): 39-43.
 19. Ruiz, M.T., Edelstein, L. R. and F. J. Denaro, Immunocytochemical Detection of a Ceruloplasmin-Like Substance in the Human Substantia Nigra. *Journal of Histotechnology* 1999, **22** (4): 295-299.
 20. Denaro, F. J. and Bryant J., HIV/CNS Infection in the Elderly. *The Scientific World Journal* 2001, **1**(S3):51. (Sabbatical Research, Laboratory of Dr. Bryant and Dr. R. Gallo)
 21. Clark, D. Denaro, F. J., Hayes, N., Jones, O., McCready, M., Davis, H. Reid, W. and Bryant J., Apoptosis of Spleenocytes and Expression of HIV-1 Transgene products on the HIV-1 Transgenic Rat. *The Scientific World Journal* 2001, **1**(S3):52.
 22. Denaro, F. J., Hayes, N., Jones, O., McCready, M., Davis, H. Reid, W., Gallo, R. and Bryant J., Peripheral Nerve Degeneration in the HIV-1 Transgenic Rat. *The Scientific World Journal* 2001, **1**(S3): 50. (Sabbatical Research, Laboratory of Dr. Bryant and Dr. R. Gallo)
 23. Denaro, F. J., Hayes, N., Jones, O., McCready, M., Davis, H. Reid, W., Gallo, R. and Bryant J., Muscular Abnormalities in the HIV-1 Transgenic Rat. *The Scientific World Journal* 2001, **1**(S3): 51. (Sabbatical Research, Laboratory of Dr. Bryant and Dr. R. Gallo)
 24. Reid W., Sadowska M., Denaro, F. Rao S., Foulke J., Hayes N., Jones O., Davis H., Sill A., O'Driscoll P., Huso, D., Fouts T., Lewis, G., Kames-Lewis R., Wei C., Ray P, Gallo, R., Reits, M., and Bryant J., An HIV -1 Transgenic Rat that Develops HIV -1 related Pathology and Immunological Dysfunction. *Proceedings of the National Academy of Science* 2001, **98** (16): 9271-9276.
 25. Hughes-Darden , C. A., Wachira, J., Denaro, F. J. Taylor, C. V., Brunson, K. J., Ochillo, R. and Robinson, T. J., Expression and Distribution of Protein Kinase C Isozymes in the Brain Tissue of Spontaneous Hypertensive Rats (SHR) *Cellular and Molecular Biology* 2002, **47** (6): 1077-1088.
 26. Bagley, K., C., Abdelwahab, S. F., Tuscan, R., Lewis, G., and Denaro, F., Immunohistochemical identification of Lymphocyte Antigens Using a Modified Methacrylate Method Adapted for Standard Microtome. *The Journal of Histotechnology* 2003, **26** (1): 53-56
 27. Patricio E. R., Xue-Hui L., Robinson, L., Reid, W., Xu, L., Owens, J. Jones, O., Denaro, F.J., Harry G. Davis and Joseph L. Bryant, A Novel HIV-1 Transgenic Rat Model of Childhood HIV-1 Associated Nephropathy. *Kidney International* 2003, **63** (6): 2242-2256.
 28. Bangura, N. T. Greenwood, J. James and F. Denaro, A Stereotaxic Atlas of the Monkey Frontal Lobes. *Cellular and Molecular Biology* 2003, **49** (8): 1253-1260.
 29. Denaro, F.J. Patty Staub, Jane Colmer, and David M. Freed, Coexistence of Alzheimer Type Changes with Viral Encephalopathy. *Cellular and Molecular Biology*, 2003, **49** (8): 1233-1240.
 30. Peralta Max, and F. J. Denaro, Horseradish Peroxidase (HRP) Used as a Cell Lineage Marker. *Cellular and Molecular Biology* 2003, **49** (8): 1371-1375.
 31. Mazzucchelli, R., Amadio, M., Curreli, S., Denaro, F., Bryant, J., Bemis, K. Agostino, R., Galli, M., and Zella, D., Establishment of an Ex-Vivo Model of Monocyte-derived Macrophages differentiated from peripheral blood monuclear cells from the HIV-1 Transgenic Rat. *Molecular Immunology* 2004, **41**(10): 979-984.

Principal Investigator/Program Director (Last, First, Middle):