

CURRICULUM VITAE

DATE: July 26, 2019

NAME: Leroy R. Sharer, M.D.

PRESENT TITLE: Professor of Pathology

Office Address: Department of Pathology, Immunology and Laboratory Medicine
New Jersey Medical School (NJMS)
Rutgers, The State University of New Jersey
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University Identification Number: A-00122563

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CITIZENSHIP: United States of America

EDUCATION:

- a. Undergraduate: Cornell University, Ithaca, New York 9/61-6/65, B.A.
- b. Graduate and Professional: Cornell University (now Weill Cornell) Medical College, New York, New York, 9/65-6/69, M.D.

POSTGRADUATE TRAINING:

- a. Internship and Residencies:
Internship, Univ. Florida College of Medicine, Gainesville, FL, 7/69-6/70
Residency in Pathology, New York Hospital, New York, NY, 7/70-6/74
- b. Research Fellowships:
Neuropathology, College of Physicians & Surgeons of Columbia University, New York, NY, 7/74-6/76

MILITARY: None

ACADEMIC APPOINTMENTS:

Cornell University Medical College, New York, NY, 01/77-03/81, Assistant Professor of Pathology
UMDNJ (University of Medicine and Dentistry of New Jersey)-New Jersey Medical School, Newark, NJ, 04/81-06/85, Assistant Professor of Pathology
UMDNJ-New Jersey Medical School, 07/85-06/88, Associate Professor of Clinical Pathology
UMDNJ-New Jersey Medical School, 07/88-06/95, Associate Professor of Pathology

MEMBERSHIPS, OFFICES AND COMMITTEE ASSIGNMENTS IN PROFESSIONAL SOCIETIES:

American Association of Neuropathologists, 6/80-current
1988, 1992-93, 1995-6, 1999, 2001, 2002: Chair, Scientific Sessions
Member, Awards Committee, 6/89-6/91
Member, Program Committee, 6/93-6/95
Charter Member, Diagnostic Slide Session, 6/89-current
 Manager, Diagnostic Slide Session, 6/96-12/09
Vice-President Elect, June 2003 to June 2004
Vice-President, June 2004 to June 2005
President Pro-tempore, New York Association of Neuropathologists (The NeuroPlex),
1999-2001
President, New York Association of Neuropathologists (The NeuroPlex), 2001-2011.
Chair, Scientific Symposium, "Neuroscience of HIV Infection" Meeting, Vienna, Austria,
June 1993
Chair, Scientific Session, "Neuroscience of HIV Infection" Meeting, Vancouver, B.C.,
Canada, August 1994
Chair, Scientific Session, XII International Congress of Neuropathology, International
Society of Neuropathology, Toronto, Canada, September 1994
Organizer and Chair, Mini-Symposium on AIDS and the Nervous System, XVIth
International Congress of Neuropathology, combined meeting with the American
Association of Neuropathologists, San Francisco, CA, Sept. 12, 2006.
Chair, Scientific Session, Meeting of the International Society of Neurovirology, San
Diego, CA, October 30, 2007.
Chair, Infectious Disease Symposia, XVIIIth International Congress of Neuropathology,
Rio de Janeiro, Brazil, September 15, 2014 and September 16, 2014.

HONORS AND AWARDS:

Excellence in Teaching Award, Foundation of UMDNJ, 1992
Award for Meritorious Contributions to Neuropathology, from the American Association
of Neuropathologists, 2011

BOARDS OF DIRECTORS/TRUSTEE POSITIONS:

Board of Trustees of local parish church (Church of St. Mary the Virgin [Episcopal],
New York, NY), 12/82-12/05, Secretary 01/87-12/04, Vice-President 01/05-
12/05, re-elected Member 12/08 to 12/12 and 12/14 to 12/18.
Member, Board of Directors, Momentum Project (an AIDS outreach/nutrition not-for-
profit service organization), New York, NY, 11/94-04/08
 Chair, Board of Directors, Momentum Project, New York, 11/98-10/01
Member, Board of Directors, Momentum Project, newly as subsidiary of Village Care
New York, 04/08-01/14
 Co-Chair, Chair, Board of Directors, Momentum Project, 06/13-01/14
Member, Board of Directors, Village Care New York (a not-for-profit health service
organization), New York, NY, 05/08-current

Member, Client Services Committee, Village Care New York, 05/08-current
Chair, Committee on Human Research (IRB), Village Care New York, 04/09-current
Member, VillageCare MAX Committee, 04/12-current

**SERVICE ON NATIONAL GRANT REVIEW PANELS, STUDY SECTIONS,
COMMITTEES:**

1988 Chairman, Ad Hoc AIDS Review Committee, NIH
1988-89 Ad Hoc Reviewer, AIDS Research Review Study Sections, National Institutes of Health
1988-90 Site Visitor - NINDS, National Institutes of Health
1990-94 Member, ARR-7 (AIDS and Related Research) Study Section, NIH
1991 Chairman, Site Visit Team, University of North Carolina, NINDS, NIH, March 1991.
1993 Chairman, Site Visit Team, Johns Hopkins University School of Medicine, NINDS, NIH, March 1993.
1994-2004 Member, Data and Safety Monitoring Board (DSMB) for NINDS-sponsored AIDS clinical trials of ACTG protocols, NINDS, NIH.
1994 Member, Special Review Group, Small Business Innovative Research (SBIR) Proposals, NIMH, June 20, 1994.
1994 Ad hoc reviewer, NIDA Special Study Section.
1995 Chair, Ad hoc reviewer, NIH Special Study Section, March 28, 1995.
1995 Member, Special Review Group, Small Business Innovative Research (SBIR) Proposals, NIMH, March 30, 1995.
1996 Ad hoc member, ARR 7 (AIDS and Related Research) Study Section, NIH, March 15, 1996.
1996 Member, Special Review Group, Small Business Innovative Research (SBIR) Proposals, NIMH, March 21, 1996.
1996 Member, NIMH Special Review Group, July 9, 1996.
1996 Member, NIMH Special Review Group, November 22, 1996.
1996 Chair, NIH Special Study Section ZRG5 ARR 7, December 4, 1996.
1997 Member, NIH Special Study Section AAR 7, April 30, 1997.
1997 Chair, NIH Special Study Section ZRG5 ARRD 03, December 18, 1997.
1998 Member, NIH Special Study Section ZRG-5-ARRD-03, April 1, 1998.
1998 Member, NIAID (NIH) Special Emphasis Panel review group ZA11-KWR-A-J1, October 15, 1998.
1999 Member, NIMH (NIH) Special Emphasis Panel review group ZMH1 BRB-T (02), August 12, 1999.
1999 Chair, NINDS (NIH) Special Emphasis Panel review group ZNS1 SRB-W (04), December 16, 1999.
2001 Member, NIH Special Emphasis Panel review group ZRG-1 AARR-1 (05), December 11, 2001.

- 2003 Consultant to California Encephalitis Project (Carol Glaser, MD, DVM, PI, California State Department of Health), funded by the Centers for Disease Control and Prevention (CDC).
- 2004 Member, NINDS (NIH) Special Emphasis Panel review group ZNS1 SRB-A 12, NeuroAIDS Imaging Studies, January 8, 2004.
- 2004 Member, NINDS (NIH) Special Emphasis Panel review group ZNS1 SRB-A 15, NeuroAIDS Studies, April 5, 2004.
- 2004 Member, NINDS (NIH) Special Emphasis Panel review group ZNS1 SRB-A 24, NeuroAIDS Imaging Studies, August 20, 2004.
- 2010-15 Member, Institutional Biosafety Committee, St. Luke's-Roosevelt Hospital Center, New York, NY.

SERVICE ON MAJOR COMMITTEES:

- A. International: Scientific Committee, XVIII International Congress of Neuropathology, Rio de Janeiro, Brazil, September, 2014
- B. National: None.
- C. Medical School:
 - Institutional Review Board (IRB) -UMDNJ-NJMS 09/81-06/13
 - Vice Chairman, 09/85-08/89
 - Chairman, 09/89-08-92
 - Executive Committee, 09/01-06/13
 - Rutgers Biomedical and Health Sciences Newark Campus IRB, 07/13-current
 - Executive Committee 06/13-current
 - Student Affairs Committee, UMDNJ-NJMS, 09/85-08/88
 - Faculty Council, UMDNJ-NJMS, 09/92-08/98
 - Faculty Affairs Committee, UMDNJ-NJMS, Chair, 09/95-08/97
 - Vice-Chair, 09/10-08/12
 - Chairman, Institutional Review Board (IRB) Total Quality Management (TQM) Committee, 12/97-11/98
 - Employee Recognition Review Committee, UMDNJ-NJMS, 09/97-08/98
 - Faculty Committee on Appointments and Promotions (FCAP), UMDNJ-NJMS, 09/00-08/02
 - Chair, 09/03-10/05
 - Faculty Committee on Appointments and Promotions (FCAP), Rutgers NJMS
 - Member, 09/14-
 - Chair, Task Force on Promotions and Tenure of the NJMS Faculty Organization, 10/05-09/09
 - Faculty Council, UMDNJ-NJMS, 09/00-09/04
 - Departmental Representative, 10/10-09/12
 - UMDNJ Newark Campus Committee on Research Integrity, 09/03 to 07/13
 - Acting Chair, 03/11-02/12, Chair, 02/12-06/13
 - Rutgers Biomedical and Health Sciences Newark Campus Committee on Research Integrity, 07/13-current
 - Chair, 07/13-current
 - Chair, Faculty Subcommittee of the LCME Self-Study Task Force, 12/11-12/12

- D. Hospital:
Medical Records Committee, North Shore University Hospital, 01/77-03/81
- E. Department:
1981-95 Curriculum Committee, Sophomore Pathology Course,
UMDNJ-NJMS (Associate Director)
- F. Editorial Boards:
Journal of NeuroVirology, 07/94 to 06/12
Journal of Neuropathology and Experimental Neurology, 07/07 to 12/12
- G. *Ad Hoc* Reviewer:
Journal of Neuropathology and Experimental Neurology (prior to 07/07)
Brain Pathology
Neurology
Annals of Neurology
Journal of Neuroimmunology
American Journal of Pathology
Acta Neuropathologica
Journal of Clinical Pathology
Analytical Cellular Pathology
Neurology, Neuroimmunology and Neuroinflammation
Histopathology

SERVICE ON GRADUATE SCHOOL COMMITTEES: None.

SERVICE ON HOSPITAL COMMITTEES: See above, under “Service on Major Committees.”

SERVICE TO THE COMMUNITY: See above, under “Boards of Directors/Trustee Positions.”

SPONSORSHIP OF CANDIDATES FOR POSTGRADUATE DEGREE: None.

SPONSORSHIP OF POSTDOCTORAL FELLOWS: None.

TEACHING RESPONSIBILITIES:

Guest Lecturer in Neuropathology, Cornell University Medical College, NYC,
1975-1976 and 1982-89
Lecturer in Neuropathology, originally Sophomore Pathology Course, now DPPT
Course, UMDNJ-NJMS, 1981-current
Guest Lecturer, Neurological Institute, College of Physicians and Surgeons of
Columbia University, NYC, 1977-90

Seminar Leader, Bioethics Course, UMDNJ (NOW Rutgers) Graduate School of Biomedical Sciences (GSBS), Newark, NJ: "Ethics of Human Research," 1992-current

Certificate Program in Bioethics and Public Health, UMDNJ-New Jersey Graduate Program in Public Health, Piscataway, NJ: Curriculum Committee and Advisory Board, 1998, Seminar Leader: "Ethics and Human Research," 1998 and 2000

Co-Director (with Dr. Kenneth Klein), Pathology Course, Second Year, UMDNJ-New Jersey Medical School, 2000-2004

General Theological Seminary, New York, NY, "Ethics of Research on Humans," invited lecture/seminar, April 2, 2001

Bioethics Elective, New Jersey Medical School, Dr. Cynthia Stolman, Director: Seminar on "Ethics of Human Research," 2000, 2003

Seminar, Summer Student Program, UMDNJ-NJMS, Dr. Elizabeth Alger, Director, "Ethics of Human Research," July 3, 2003

"Neuropathology," in Pathology Course for Second Year Students, UMDNJ-New Jersey Dental School (now Rutgers School of Dental Medicine), alternate years, 1995-current.

Neuropathology Elective, for Fourth Year Medical Students, New Jersey Medical School, and for Residents in Pathology, Neurology, and Neurological Surgery.

CLINICAL RESPONSIBILITIES:

Neurosurgical neuropathology and autopsy neuropathology, University Hospital, Newark, NJ, 1981-current.

Associate Director, Division of Neuropathology, UMDNJ-University Hospital, 04/81-12/04.

Director, Division of Neuropathology, UMDNJ-University Hospital, 01/05-current.

GRANT SUPPORT:

a. Principal Investigator or P.I. of Sub-Contract

1987-91 "Vascular Pathology in HIV Encephalitis in Children," NIH-National Institute for Neurological Disorders and Stroke (\$395,000).

1987-89 "HIV Antigens in CNS Tissues of Children with AIDS," Foundation of UMDNJ (\$23,000.)

1992-97 "Program Project: Molecular Mechanisms of HIV-1 Mediated Encephalopathy; Project 4: Location of HIV-1 in Brain in Children," NIH, NINDS (P01 31492) (\$397,935) (Program Project PI: Dr. David Volsky, Columbia University, New York, NY)

1998-2003 "Program Project: Molecular Mechanisms of HIV-1 Mediated Encephalopathy; Core 2: Neuropathology Core," NIH, NINDS (P01 31492) (total direct costs: \$468,512) (Program Project PI: Dr. David Volsky, Columbia University, New York, NY)

2003-2007 "Program Project: Molecular Mechanisms of HIV-1 Mediated

Encephalopathy; Core 2: Neuropathology Core,” NIH, NINDS (P01 31492) (total direct costs: \$140,630) (Program Project PI: Dr. David Volsky, Columbia University and St. Luke’s/Roosevelt Hospital, New York, NY)

2004-2009 “Mouse Model of HIV-1 Infection and Drug Addiction,” NIH, NIDA (1R01 DA 017618), PI of Sub-Contract (total direct costs: \$200,318) (PI: Dr. David Volsky, Columbia University and St. Luke’s/Roosevelt Hospital, New York, NY)

2011-2016 “Mouse Model of HIV-1 Infection and Drug Addiction,” NIH, NIDA (1R01 DA 017618), PI of Sub-Contract (total direct costs: \$197,515) (PI: Dr. David Volsky, formerly Columbia University and St. Luke’s/Roosevelt Hospital, now St. Luke’s Mount Sinai, New York, NY)

b. Co-Investigator

1982-85 “Consequences of Proximal Giant Axonal Formations,”
(PI: Dr. H.E. Lowndes, Dept Pharmacology, UMDNJ)

1986-89 “HTLV-III and AIDS Encephalopathy,” NIH-NIAID
(PI: Dr. L.G. Epstein, Dept Neurosciences, UMDNJ)

1987-92 “Pathobiology of SIV/Delta Infection in Rhesus Monkeys,” US Army
(PI: Dr. G.B. Baskin, Delta Regional Primate Research Center of
Tulane University, Covington, LA) (\$533,607)

1990-92 “HIV Encephalopathy: Viral Factors in Pathogenesis,” NIH-NINDS
(PI: Dr. L.G. Epstein, University of Rochester School of
Medicine, Rochester, NY) (\$173,872)

1999-2001 “Neuropathogenesis and Therapy of SHIV-KU Infection,” NIH-
NINDS (PI: Dr. Opendra Narayan, University of Kansas Medical Center, Kansas
City, KS) (total direct costs \$152,914)

c. Pending: None.

PUBLICATIONS:

a. Refereed Original Article in Journal

1. **Sharer LR**, Kutt H: Intravenous administration of diazepam. Arch Neurol 24:169-175, 1971.

2. **Sharer LR**, Baroness J, Silver R, Gray G: Association of Hodgkin's disease and Gaucher disease. Arch Pathol 98:376-378, 1974.

3. Willson RE, **Sharer LR**, Jung HJ, Green SE: Bilateral trigeminal nerve sensory deficits and nasal deformity. Arch Otolaryngol 104:474-476, 1978.

4. McGeachie RE, Fleming JO, **Sharer LR**, Hyman RA: Diagnosis of Pick's disease by computed tomography. J Computer Assisted Tomography 3:113-115, 1979.

5. Beresford HR, Hyman RA, **Sharer LR**: Self-limited granulomatous angiitis of the cerebellum. *Ann Neurol* 5:490-492, 1979.
6. Schulman P, Sun T, **Sharer LR**, et al: Meningeal involvement in IgD myeloma with cerebrospinal fluid paraprotein analysis. *Cancer* 46:152-155, 1980.
7. Gold AJ, **Sharer LR**, Walden RH: Central nervous system heterotopia in association with cleft palate. *Plast Reconstr Surg* 66:434-441, 1980.
8. Dariano JAF, Furlanetto TW, Costa SS, Prena FJ, Santos AJ, **Sharer LR**: Suprasellar germinoma: An unusual clinical presentation. *Surg Neurol* 15:294-297, 1981.
9. Haimovic I, **Sharer LR**, Hyman RA, Beresford HR: Metastasis of intracranial germinoma through a ventriculo-peritoneal shunt. *Cancer* 48:1033-1036, 1981.
10. Antunes JE, **Sharer LR**, Pellock JM: Occipital encephalocele: A case of conjoined twinning? *Neurosurgery* 13:703-707, 1983.
11. Prineas JW, Kwon EE, Cho E-S, **Sharer LR**: Continual breakdown and regeneration of myelin in progressive multiple sclerosis. *Ann New York Acad Sci* 436:11-32, 1984.
12. Fiori MG, **Sharer LR**, Lowndes HE: Communicating hydrocephalus in rodents treated with IDPN. *Acta Neuropathol* 65:209-216, 1985.
13. Delio DA, Fiori MG, Lowndes HE, **Sharer LR**: Evolution of axonal swelling in cats intoxicated with IDPN: An electrophysiological and morphological study. *Exp Neurol* 87:235-248, 1985.
14. Epstein LG, **Sharer LR**, Joshi VV, Fojas MM, Koenigsberger MR, Oleske JM: Progressive encephalopathy in children with acquired immune deficiency syndrome (AIDS). *Ann Neurol* 17:488-496, 1985.
15. **Sharer LR**, Kapila R: Neuropathological observations in the acquired immunodeficiency syndrome (AIDS): A report of 8 cases. *Acta Neuropathol* 66:188-198, 1985.
16. **Sharer LR**, Lowndes HE: Acrylamide-induced ascending degeneration in ligated peripheral nerve: effect of ligature location. *Neuropathol Appl Neurobiol* 11:191-200, 1985.
17. **Sharer LR**, Cho E-S, Epstein LG: Multinucleated giant cells and HTLV-III in AIDS encephalopathy. *Human Pathol* 16:760, 1985.

18. Epstein LG, **Sharer LR**, Cho E-S, Meyenhofer M, Navia BA, Price RW: HTLV-III/LAV-like retrovirus particles in the brains of patients with AIDS encephalopathy. *AIDS Res* 1:447-454, 1985.
19. **Sharer LR**, Epstein, Cho E-S, Joshi VV, Meyenhofer M, Rankin LF, Petito CK: Pathologic features of AIDS encephalopathy in children: evidence for LAV/HTLV-III infection of brain. *Human Pathol* 17:271-284, 1986.
20. Epstein LG, **Sharer LR**, Gajdusek DC: Hypothesis: AIDS encephalopathy is due to primary and persistent infection of the brain with a human retrovirus of the lentivirus subfamily. *Med Hypoth* 21:87-96, 1986.
21. Epstein LG, **Sharer LR**, Oleske JM, Connor EM, Goudsmit J, Bagdon L, Robert-Guroff M, Koenigsberger MR: Neurologic manifestations of HIV infection in children. *Pediatrics* 78:678-687, 1986.
22. Epstein LG, Berman CZ, **Sharer LR**, Khademi M, Desposito F: Unilateral calcification and contrast enhancement of the basal ganglia in a child with AIDS encephalopathy. *Am J Neuroradiol* 8:163-165, 1987.
23. Meyenhofer MF, Epstein LG, Cho E-S, **Sharer LR**: Ultrastructural morphology and intracellular production of HIV in brain. *J Neuropathol Exp Neurol* 46:474-484, 1987.
24. Ambros RA, Lee E-Y, **Sharer LR**, Khan MY, Robboy SJ: The acquired immunodeficiency syndrome in intravenous drug abusers and patients with a sexual risk: clinical and postmortem comparisons. *Hum Pathol* 18:1109-1114, 1987.
25. Joshi VV, Pawel B, Connor EM, **Sharer LR**, Oleske JM, Morrison S, Marin-Garcia J, Virmani R: Arteriopathy in children with acquired immune deficiency syndrome. *Pediatr Pathol* 7:261-275, 1987.
26. Epstein LG, **Sharer LR**, Goudsmit J: Neurological and neuropathological features of human immunodeficiency virus in children. *Ann Neurol* 23 (Suppl): S19-S23, 1988.
27. **Sharer LR**, Baskin GB, Cho E-S, Murphey-Corb M, Blumberg BM, Epstein LG: Comparison of simian immunodeficiency virus and human immunodeficiency virus encephalitides in the immature host. *Ann Neurol* 23 (Suppl): S108-S112, 1988.
28. Weiss SH, Lombardo J, Michaels J, **Sharer LR**, et al: AIDS due to HIV-2 infection - New Jersey. *MMWR* 37:33-35, 1988.

29. Epstein LG, DiCarlo FJ, Joshi VV, Connor EM, Oleske JM, Kay D, Koenigsberger MR, **Sharer LR**: Primary lymphoma of the central nervous system in children with acquired immunodeficiency syndrome. *Pediatrics* 82(3):355-363, 1988.
30. Cohen-Addad NE, Joshi VV, **Sharer LR**, Epstein LG, Gubitosi TA, Oleske JM: Congenital acquired immunodeficiency syndrome and congenital toxoplasmosis: pathologic support for a chronology of events. *J Perinatol* 8: 328-331, 1988.
31. Kloser PC, Mangia AJ, Leonard J, Lombardo JM, Michaels J, Denny TN, **Sharer LR**, Sathe S, Weiss SH, Schable C, Kapila R: HIV-2 associated AIDS in the United States: The first case. *Arch Int Med* 149:1875-1877, 1989.
32. Lombardo JM, Horsburgh CR, Denny TN, Michaels J, Schable C, Meyenhofer MF, Shriver K, **Sharer LR**, Ou C-Y, Rayfield MA, Kloser PC, Oleske JM, Schochetman G, Weiss SH: Evaluation of an atypical HIV-1 antibody serologic pattern leading to detection of the first reported case of HIV-2 infection in North America. *Arch Pathol Lab Med* 113:1245-1249, 1989.
33. **Sharer LR**, Dowling PC, Michaels J, Cook SD, Menonna J, Blumberg BM, Epstein LG: Spinal cord disease in children with HIV-1 infection: A combined molecular biological and neuropathological study. *Neuropathol Appl Neurobiol* 16:317-331, 1990.
34. Prineas JW, Kwon EE, Goldenberg PZ, Cho E-S, **Sharer LR**: Interaction of astrocytes and newly formed oligodendrocytes in resolving multiple sclerosis. *Lab Invest* 63:524-636, 1990.
35. Epstein LG, Kuiken C, Blumberg BM, Hartman S, **Sharer LR**, Clement M, Goudsmit J: HIV-1 V3 domain variation in brain and spleen of children with AIDS: Tissue-specific evolution within host-determined quasispecies. *Virology* 180:583-590, 1991.
36. Budka H, Wiley CA, Kleihues P, Artigas J, Asbury AK, Cho E-S, Cornblath DR, Dal Canto MC, De Girolami U, Dickson D, Epstein LG, Esiri MM, Giangaspero F, Gosztonyi G, Gray F, Griffin JW, Hénin D, Iwasaki Y, Janssen RS, Johnson RT, Lantos PL, Lyman WD, McArthur JC, Nagashima K, Peress N, Petite CK, Price RW, Rhodes RH, Rosenblum M, Said G, Scaravilli F, **Sharer LR**, Vinters HV: HIV-associated disease of the nervous system: Review of nomenclature and proposal for neuropathology-based terminology. *Brain Pathol* 1:143-152, 1991.

37. **Sharer LR**, Michaels J, Murphey-Corb M, Hu F-S, Kuebler DJ, Martin LN, Baskin GB: Serial pathogenesis study of SIV brain infection. *J Med Primatol* 20:211-217, 1991.
38. Murray EA, Rausch DM, Lendvay J, **Sharer LR**, Eiden LE: Cognitive and motor impairments associated with SIV infection in rhesus monkeys. *Science* 255:1246-1249, 1992.
39. Kaminski Z, Kapila R, **Sharer LR**, Kloser P, Kaufman L: Meningitis due to *Prototheca wickerhamii* in a patient with AIDS. *Clin Infect Dis* 15:704-706, 1992.
40. Blumberg BM, Epstein LG, Saito Y, Chen D, **Sharer LR**, Anand R: HIV-1 nef quasispecies in pathological tissue. *J Virol* 66:5256-5264, 1992.
41. Prineas JW, Barnard RO, Kwon EE, **Sharer LR**, Cho E-S: Multiple sclerosis: Remyelination of nascent lesions. *Ann Neurol* 33:137-151, 1993.
42. Weihe E, Nohr D, **Sharer L**, Murray E, Rausch D, Eiden L: Cortical astrocytosis in juvenile rhesus monkeys infected with simian immunodeficiency virus. *NeuroReport* 4:263-266, 1993.
43. Prineas JW, Barnard RO, Revesz T, Kwon EE, **Sharer L**, Cho E-S: Multiple sclerosis: Pathology of recurrent lesions. *Brain* 116:681-693, 1993.
44. Anders KH, Becker PS, Holden JK, **Sharer LR**, Cornford ME, Hansen LA, Hamilton R, Vinters HV: Multifocal necrotizing leukoencephalopathy with pontine predilection in immunosuppressed patients: a clinicopathologic review of 16 cases. *Hum Pathol* 24:897-904, 1993.
45. Rausch DM, Heyes MP, Murray EA, Lendvay J, **Sharer LR**, Ward JM, Rehm S, Nohr D, Weihe E, Eiden LE: Cytopathologic and neurochemical correlates of progression to motor/cognitive impairment in SIV-infected rhesus monkeys. *J Neuropathol Exp Neurol* 53:165-175, 1994.
46. Saito Y, **Sharer LR**, Epstein LG, Michaels J, Mintz M, Louder M, Golding K, Cvetkovich TA, Blumberg BM: Overexpression of nef as a marker for restricted HIV-1 infection of astrocytes in postmortem pediatric central nervous tissues. *Neurology* 44:474-481, 1994.
47. Peng B, Sherr DH, Mahboudi F, Hardin J, Wu Y-H, **Sharer L**, Raveché ES: A cultured malignant B-1 line serves as a model for Richter's syndrome. *J Immunol* 153:1869-1880, 1994.

48. **Sharer LR**, Saito Y, Epstein LG, Blumberg BM: Detection of HIV-1 DNA in pediatric AIDS brains by two-step ISPCR. *Adv Neuroimmunol* 4:283-285, 1994.
49. Rojiani AM, Cho E-S, **Sharer L**, Prineas JW: Electrolyte induced demyelination in rats: 2. Ultrastructural evolution. *Acta Neuropathol* 88:293-299, 1994.
50. Saito Y, **Sharer LR**, Dewhurst S, Blumberg BM, Hall CB, Epstein LG: Cellular localization of human herpesvirus-6 in the brains of children with AIDS encephalopathy. *J NeuroVirol* 1:30-39, 1995.
51. Gelbard HA, James HJ, **Sharer LR**, Perry SW, Saito Y, Kazee AM, Blumberg BM, Epstein LG: Apoptotic neurons in brains from paediatric patients with HIV-1 encephalitis and progressive encephalopathy. *Neuropathol Appl Neurobiol* 21:208-217, 1995.
52. Dollard SC, James HJ, **Sharer LR**, Epstein LG, Gelbard HA, Dewhurst S: Activation of nuclear factor kappa B in brains from children with HIV-1 encephalitis. *Neuropathol Appl Neurobiol* 21:518-528, 1995.
53. Nottet HSLM, Persidsky Y, Sasseville VG, Nukuna AN, Bock P, Zhai QH, **Sharer LR**, McComb RD, Swindells S, Soderland C, Gendelman HE: Mechanisms for the transendothelial migration of HIV-1-infected monocytes into brain. *J Immunol* 156:1284-1295, 1996.
54. **Sharer LR**, Saito Y, da Cunha A, Ung PC, Gelbard HA, Epstein LG, Blumberg BM: In situ amplification and detection of HIV-1 DNA in fixed pediatric AIDS brain tissue. *Hum Pathol* 27:614-617, 1996.
55. Wolansky LJ, Malantic GP, Heary R, Maniker AH, Lee HJ, **Sharer LR**, Patel UJ: Preoperative MRI diagnosis of Lhermitte-Duclos disease: case report with associated enlarged vessel and syrinx. *Surg Neurol* 45:470-475, 1996
56. Krajewski S, James HJ, Ross J, Blumberg BM, Epstein LG, Gendelman HE, Gummuluru S, Dewhurst S, **Sharer LR**, Reed JC, Gelbard HA: Expression of pro- and anti-apoptosis gene products in brains from paediatric patients with HIV-1 encephalitis. *Neuropathol Appl Neurobiol* 23:242-253, 1997.
57. da Cunha A, Mintz M, Eiden LE, **Sharer LR**: A neuronal and neuroanatomical correlate of HIV-1 encephalopathy relative to HIV-1 encephalitis in HIV-1 infected children. *J Neuropathol Exp Neurol* 56:974-987, 1997.

58. Jilani MI, Holodny AI, Schulder M, **Sharer LR**: Cerebral amyloid angiopathy presenting as large symmetric temporal hemorrhages. *J Neurovasc Disease* 2: 172-175, 1997.
59. Lee HJ, Kalnin AJ, Holodny AI, Schulder M, Grigorian AA, **Sharer LR**: Hemorrhagic chondroid chordoma mimicking pituitary apoplexy. *Neuroradiology* 40: 720-723, 1998.
60. Davies J, Everall IP, Weich S, Glass J, **Sharer LR**, Cho ES, Bell JE, Majtenyi C, Gray F, Scaravilli F, Lantos PL: HIV-associated brain pathology: a comparative international study. *Neuropathol Appl Neurobiol* 24:118-124, 1998.
61. Vu TH, Sciacco M, Tanji K, Nichter C, Bonilla E, Chatkupt S, Maertens P, Shanske S, Mendell J, Koenigsberger MR, **Sharer L**, Schon EA, DiMauro S, DeVivo DC: Clinical manifestations of mitochondrial DNA depletion. *Neurology* 50:1783-1790, 1998.
62. Evatt B, Austin H, Barnhart E, Schonberger L, **Sharer L**, Jones R, DeArmond S: Surveillance for Creutzfeldt-Jakob disease among persons with hemophilia. *Transfusion* 38: 817-820, 1998.
63. James HL, **Sharer LR**, Zhang Q, Wang H-G, Epstein LE, Reed JC, Gelbard HA: Expression of caspase-3 in brains from paediatric patients with HIV-1 encephalitis. *Neuropathol Appl Neurobiol* 25:380-386, 1999.
64. Tong N, Perry SW, Zhang Q, James HJ, Guo H, Brooks A, Bal H, Kinnear SA, Fine S, Epstein LG, Dairaghi D, Schall TJ, Gendelman HE, Dewhurst S, **Sharer LR**, Gelbard HA: Neuronal fractalkine expression in HIV-1 encephalitis: roles for macrophage recruitment and neuroprotection in the CNS. *J Immunol* 164:1333-1339, 2000.
65. van der Meer P, Goldberg SH, Fung KM, **Sharer LR**, González-Scarano F, Lavi E: Expression pattern of CXCR3, CXCR4, and CCR3 chemokine receptors in the developing human brain. *J Neuropathol Exp Neurol* 60:25-32, 2001.
66. Prineas JW, Kwon EE, Cho E-S, **Sharer LR**, Barnett MH, Oleszak EL, Hoffman B, Morgan BP: Immunopathology of secondary-progressive multiple sclerosis. *Ann Neurol* 50:646-657, 2001.
67. Lacson AG, D'Cruz CA, Gilbert-Barness E, **Sharer L**, Jacinto S, Cuenca R: Aluminum phagocytosis in quadriceps muscle following vaccination in children: relationship to macrophagic myofasciitis. *Pediatr Devel Pathol* 5:151-158, 2002.
68. Trillo-Pazos G, Diamanturos A, Rislove L, Menza T, Chao W, Belem P, Sadiq S, Morgello S, **Sharer L**, Volsky DJ: Detection of HIV-1 DNA in

microglia/macrophages, astrocytes and neurons isolated from brain tissue with HIV-1 encephalitis by laser capture microdissection. *Brain Pathol* 13:144-154, 2003.

69. Wang Z, Trillo-Pazos G, Kim S-Y, Canki M, Morgello S, **Sharer LR**, Gelbard HA, Su Z-Z, Kang D-C, Brooks AI, Fisher PB, Volsky DJ: Effects of human immunodeficiency virus type 1 on astrocyte gene expression and function: potential role in neuropathogenesis. *J Neurovirol* 10 (Suppl 1):1-8, 2004.

70. Uppal S, Dash S, **Sharer L**, Lambert WC, Heller DS, Pullicino P: Spinal cord infarction secondary to nucleus pulposus embolization in pregnancy. *Modern Pathol* 17:121-124, 2004.

71. Potash MJ, Chao W, Bentsman G, Paris N, Saini M, Nitkiewicz J, Belem P, **Sharer L**, Brooks AI, Volsky DJ: A mouse model for study of systemic HIV-1 infection, antiviral immune responses, and neuroinvasiveness. *Proc Natl Acad Sci USA* 102:3760-3765, 2005.

72. Lin WL, Fincke JE, **Sharer LR**, Monos DS, Lu S, Gaughan J, Platsoucas CD, Oleszak EL: Oligoclonal T Cells are infiltrating the brains of children with AIDS: Sequence analysis reveals high proportions of identical beta-chain T-cell receptor transcripts. *Clin Exp Immunol* 141:338-56, 2005.

73. Umeukeje J, Pletcher BA, Blacksin M, **Sharer LR**, Wenger P, Singer-Granick C: Muscle infarction in a 13 year-old female with type 1 diabetes mellitus of short duration. *J Pediatr Endocrin Metabolism* 19:1039-1043, 2006.

74. Souayah N, Chodos A, Krivitskaya N, Efthimiou P, Lambert WC, **Sharer LR**: Isolated severe vasculitic neuropathy revealing sarcoidosis. *Lancet Neurology* 7:756-760, 2008.

75. Jones G, Razdan D, Cracchiolo B, Houck K, **Sharer L**: Paraneoplastic SIADH and dermatomyositis in cervical cancer: a case report and literature review. *Case Rep Oncol* 2:203-209, 2009

76. Vadivelu S, **Sharer L**, Schulder M: Regression of multiple intracranial meningiomas after cessation of long term progesterone agonist therapy. *J Neurosurg* 112: 920-924, 2010.

77. Rhodes RH, **Sharer LR**: I-Z-I complexes in congenital myopathy. *Muscle and Nerve* 41:715-23, 2010.

78. Quinn JC, Mittal N, Pasupuleti L, Baisre A, Cho E-S, **Sharer LR**, Hunt CD, Farkas J, Gandhi C, Prestigiacomo CJ: Vascular inflammation with eosinophils

after the use of n-butyl cyanoacrylate (n-BCA) liquid embolic system. *J Neurointerv Surg* 3:21-24, 2011, Epub 2010 Dec 22

79. Elenein RG, **Sharer LR**, Cook SD, Pachner AR, Michaels J, Hillen ME. A second case of Marburg's variant of multiple sclerosis with vasculitis and extensive demyelination. *Multiple Sclerosis* 17:1531-1538, 2011, Epub 2011 Aug 3.

80. Kelschenbach JL, Saini M, Hadas E, Gu C-J, Chao W, Bentsman G, Hong JP, Hanke T, **Sharer LR**, Potash MJ, Volsky DJ: Mice chronically infected with chimeric HIV resist peripheral and brain superinfection: A model of protective immunity to HIV. *J Neuroimmune Pharmacol*, 7:380-7, 2012, published online October 11, 2011.

81. Peddareddygari LR, Pillai BH, Nochlin D, **Sharer LR**, Grewal RP: Phenotype-genotype analysis of dystrophinopathy caused by duplication mutation in *Dystrophin gene* in an African patient. *African Health Sciences* 11:607- 609, 2011.

82. Levacic D, Peddareddygari LR, Nochlin D, **Sharer LR**, Grewal RP: Inclusion-body myositis associated with Alzheimer's disease. *Case Rep Med*. 2013; 2013:536231. doi: 10.1155/2013/536231. Epub 2013 Mar 27, PMID: 23606855.

83. He HX, **Sharer LR**, Chao W, Gu CJ, Borjabad A, Hadas E, Kelschenbach J, Ichiyama K, Do M, Potash MJ, Volsky DJ: Enhanced Human Immunodeficiency Virus Type 1 expression and neuropathogenesis in knockout mice lacking Type I interferon responses. *J Neuropathol Exp Neurol*, 73:59-71, 2014.

84. Agarwal N, Shah J, Hansberry DR, Mammis A, **Sharer LR**, Goldstein IM: Presentation of cauda equina syndrome due to an intradural extramedullary abscess: a case report. *Spine J*, 14:e1-6. doi: 10.1016/j.spinee.2013.09.029. Epub 2013 Oct 17. PMID: 24331844.

85. Vemulapalli S, **Sharer L**, Hsu V: Inclusion body myositis in a patient with RNA polymerase III antibody-positive systemic sclerosis. *J Rheumatol*, 42:730-732, 2015. doi: 10.3899/jrheum.141206. PMID: 25834244.

86. Barr LK, **Sharer LR**, Kunwar EK, Kapila R, Zaki SR, Clifton PD, Julu B, Liu JK, Chew D: Intraventricular granulomatous mass associated with *Mycobacterium haemophilum*: A rare central nervous system manifestation in a patient with human immunodeficiency virus infection. *J Clin Neurosci*, 22:1057-1060. doi: 10.1016/j.jocn.2014.11.036. Epub 2015 Mar 25. PMID: 25818941.

87. Hansberry DR, Agarwal N, **Sharer LR**, Goldstein IM: Minimally manipulative extraction of polycystic cervical neurocysticercosis: A case report. *European Spine Journal*, 2016, online. doi:10.1007/s00586-016-4763-2
88. Sheikh ZB, Anadani N, Raval B, **Sharer L**, Hillen M: Corpus callosum lesion with multiple strokes. *Neurology*. 2017 Apr 4;88(14):e137-e142. doi: 10.1212/WNL.0000000000003797. PMID: 28373375.
89. Yacoub HA, Goldstein I, El-Ghanem M, **Sharer L**, Souayah N: Spinal racemose cysticercosis: case report and review. *Hospital Practice*, 45:99-103, 2017.
90. Peddareddygari LR, Oberoi K, **Sharer LR**, Grewal RP: Adult diagnosis of Type 1 fiber predominance myopathy caused by novel mutation in the RYR 1 gene. *Clinical Neuromuscular Disease* 20:214–216, 2019. DOI: 10.1097/CND.0000000000000237
91. Kelschenbach J, He H, Kim B-H, Borjabad A, Gu C-J, Chao W, Do M, **Sharer L**, Zhang H, Arancio O, Potash MJ, Volsky: Efficient expression of HIV in immunocompetent mouse brain reveals a novel non-neurotoxic viral function in hippocampal synaptodendritic injury and memory impairment. *mBio*, July/August 2019 Volume 10 Issue 4 e00591-19. 10:e00591-19. <https://doi.org/10.1128/mBio.00591-19>.

B. Books, Monographs, and Chapters (authored)

1. Epstein LG, **Sharer LR**: Neurology of human immunodeficiency virus infection in children. In: *AIDS and the Nervous System*, ML Rosenblum, RM Levy and DE Bredesen, eds, Raven Press, New York, pp 79-101, 1988.
2. **Sharer LR**, Cho E-S: Neuropathology of HIV infection: Adults versus children. In: *Progress in AIDS Pathology*, Vol 1, Rotterdam H, Meyer PR, Sommers SC, and Racz P, eds, Field and Woods, Philadelphia, pp 131-142, 1989.
3. Cho E-S, **Sharer LR**: Central Nervous System in HIV Infection. In: *Pathology of AIDS and Other Manifestations of HIV Infection*, Joshi VV, ed, Igaku Shoin, New York, pp. 43-63, 1990.
4. Cho E-S, **Sharer LR**: HIV encephalopathy in children. In: *Brain in Pediatric AIDS*, Kozlowski PB, Snider DA, Vietze PM, Wisniewski HM, Eds, Karger, Basel, pp 158-164, 1990.
5. Kozlowski PB, Sher JH, Dickson DW, Llena J, **Sharer LR**, Cho E-S, Kanzer MD: Central nervous system in pediatric HIV infection: Experience from a

multicenter study. In: *Brain in Pediatric AIDS*, Kozlowski PB, Snider DA, Vietze PM, Wisniewski HM, Eds, Karger, Basel, pp 132-146, 1990.

6. **Sharer LR**, Mintz M: Neuropathology of AIDS in children. In: *The Neuropathology of HIV Infection*, Scaravilli F, ed, Springer Verlag, Berlin, pp. 201-214, 1993.

7. Gray F, **Sharer LR**: Combined pathologies/Associations lésionelles. In: *Atlas of the Neuropathology of HIV Infection*, Gray F, ed., Oxford University Press, Oxford, pp. 162-172, 1993.

8. **Sharer LR**: Central nervous system pathology in children with HIV-1 infection. In: *New Trends in Pediatric Neurology*, Fejerman N, Chamoles NA, eds., Excerpta Medica/Elsevier, Amsterdam, pp. 169-174, 1993.

9. **Sharer LR**: Neuropathology and pathogenesis of SIV infection of the central nervous system. In: *HIV, AIDS and the Brain (ARNMD Series, Volume #72)*, Price RW, Perry SW, eds., Raven Press, New York, pp. 133-145, 1994.

10. **Sharer LR**, Saito Y, Blumberg BM: Neuropathology of HIV-1 infection of the brain. In: *AIDS and the Nervous System, Second Edition*, Berger J, Levy R, eds., Lippincott-Raven, Philadelphia, pp. 461-479, 1997.

11. **Sharer LR**, Cho E-S: Central nervous system. In: *Systemic Pathology of HIV Infection and AIDS in Children*, Moran C, Mullick FG, eds., Armed Forces Institute of Pathology, Washington, DC, pp 267-293, 1997.

12. **Sharer LR**: Neuropathologic aspects of HIV-1 infection in children, in: *The Neurology of AIDS*, Gendelman HE, Lipton SA, Epstein L, Swindells S, eds., Chapman and Hall, New York, pp. 408-418, 1998.

13. De Girolami U, **Sharer LR**, Gabuzda D, Sotrel A: "Neuropathology of AIDS," in: *AIDS and Other Manifestations of HIV Infection*, Wormser GP, ed., Elsevier, Amsterdam, pp. 773-799, 2004.

14. Scaravilli F, Esiri M, **Sharer LR**, Gray F: Chapter 5, "Infections of the Central Nervous System," in: *Escourolle and Poirier Manual of Basic Neuropathology, Fourth Edition*, Gray F, De Girolami U, Poirier J, eds, Butterworth-Heinemann/Elsevier, Philadelphia, pp. 113-144, 2004.

15. **Sharer LR**: Chapter 9.2, "Neuropathologic Aspects of HIV-1 Infection in Children," in: *The Neurology of AIDS*, Gendelman H, et al., eds., Second Edition, Oxford University Press, Oxford, U.K., pp. 659-665, 2005.

16. Mintz M, **Sharer L**, Civitello L: Chapter 10.1, "Neurological and Neuropathological Features of HIV-1 Infection in Children and Adolescents," in: *The Neurology of AIDS*, Gendelman H, et al., eds., Third Edition, Oxford University Press, Oxford, U.K., pp. 875-906, 2012.

17. Gray F, Wong KT, Scaravilli F, **Sharer LR**: Chapter 5, "Infections of the Central Nervous System," in: *Escourolle and Poirier's Manual of Basic Neuropathology*, Fifth Edition, Gray F, Duyckaerts C, De Girolami U, eds, Oxford University Press, Oxford, U.K., pp. 114-148, 2014.

18. Chrétien F, Jouvion G, Wong KT, **Sharer LR**: Chapter 5, "Infections of the Central Nervous System," in: *Escourolle and Poirier's Manual of Basic Neuropathology*, Sixth Edition, Gray F, Duyckaerts C, De Girolami U, eds, Oxford University Press, pp. 122-158, 2019.

19. Chrétien F, Wong KT, **Sharer LR**, eds., Keohane C, Gray R, Series Senior eds: *Infections of the Central Nervous System, Neuropathology and Genetics*. International Society of Neuropathology, Bristol, UK, and Institut Pasteur, Paris, France, Wiley, in press.

C. Patents Held: none.

D. Other Articles (Reviews, Editorials, etc.)

1. **Sharer LR**, Epstein LG, Cho E-S, Petit C: HTLV-III and vacuolar myelopathy. (Letter) *New Engl J Med* 315:62-63, 1986.
2. **Sharer LR**: AIDS virus and the brain (editorial). *Western J Med* 146: 88-90, 1987.
3. **Sharer LR**, Prineas JW: Human immunodeficiency virus in glial cells, continued. (Letter) *J Infect Dis* 157:204, 1988.
4. Michaels J, **Sharer LR**, Epstein LG: Human immunodeficiency virus type 1 (HIV-1) infection of the nervous system: A review. *Immunodeficiency Reviews* 1: 71-104, 1988.
5. **Sharer LR**, Epstein LG: Intravenous infusion of zidovudine (AZT) in children with HIV infection (Letter). *N Engl J Med* 320:806, 1989.
6. **Sharer LR**: Pathology of HIV-1 infection of the central nervous system (Review). *J Neuropathol Exp Neurol* 51:3-11, 1992.
7. **Sharer LR**: *Modern Surgical Neuropathology*, by Douglas C. Miller (book review). *J Neuropathol Exp Neurol* 68:1247, 2009.

8. **Sharer LR**, McCarthy MB: Dengue is coming! (Editorial). *Neurology* 83:1590-1591, 2014; doi: 10.1212/WNL.0000000000000949. Epub 2014 Sep 24. PMID: 25253746.

E. Abstracts:

1. **Sharer LR**, Potash MJ, Balderama J, Hadas E, Borjabad A, Volsky DJ: Infection of mouse brain by HIV-1. Combined meeting of American Association of Neuropathologists (AANP) and American Society of Investigative Pathology (ASIP), Experimental Biology meeting, oral (platform) presentation, April 29, 2007, Washington, DC.
2. Schwab MD, Wallerstein R, Rosenthal S, Lee D, **Sharer L**: Puerto Rican infant hypotonic syndrome variant: case report. Annual Clinical Genetics Meeting, American College of Medical Genetics, Phoenix, AZ, March 12, 2008 (poster).
3. **Sharer LR**, Heary RF, Cho E-S, Miller DC: Spinal cord malformation containing a papillary neoplasm. Combined meeting of American Association of Neuropathologists (AANP) and American Society of Investigative Pathology (ASIP), Experimental Biology meeting, poster, April 6, 2008, San Diego, CA.
4. Rhodes R, **Sharer LR**: I-Z-I complex myopathy. Combined meeting of American Association of Neuropathologists (AANP) and American Society of Investigative Pathology (ASIP), Experimental Biology meeting, poster, April 6, 2008, San Diego, CA.
5. **Sharer LR**, Do M, Hoque M, Pe'ery T: Progranulin expression in HIV-1 infected cells in brain. Annual meeting of the American Association of Neuropathologists (AANP), poster, June 12, 2009, San Antonio, TX.
6. Nunez EA , Ertel NH , Raghuwanshi M, **Sharer LR**, Liu JK: Cushing's Disease Presenting as Pituitary Apoplexy with Co-secretion of ACTH and Growth Hormone. ENDO 2010, The Endocrine Society, Poster, June 19-22, San Diego, CA.
7. **Sharer LR**, He H, Borjabad A, Kelschenbach J, Gu C, Do M, Potash MJ, Volsky DJ: Induction of neuropathology after intracranial inoculation of mouse-tropic HIV-1. Annual meeting of the American Association of Neuropathologists (AANP), Platform Presentation, June 11, 2010, Philadelphia, PA.
8. He H, Gu C-J, Chao W, Borjabad A, Ichiyama K, Do M, **Sharer LR**, Potash MJ, Volsky DJ: Reduced control of HIV infection and viral neuropathogenesis in knock-out mice lacking Type I interferon responses. International Society of

Neurovirology 11th International Symposium & 2012 Conference on HIV in the Nervous System, May 29 to June 2, 2012, New York, NY.

9. Kelschenbach J, Borjabad A, Chao W, Gu C-J, He H, Bentsman G, Prosolovich K, Do M, **Sharer LR**, Arancio O, Potash MJ, Volsky DJ: Replication of chimeric HIV in mouse brain induces HAND-like pathology and cognitive disease independent of HIV envelope glycoprotein. International Society of Neurovirology 11th International Symposium & 2012 Conference on HIV in the Nervous System, May 29 to June 2, 2012, New York, NY.

10. Borjabad A, Chao W, Gu C-J, Hadas E, Brooks AI, **Sharer, LR**, Volsky DJ: Common transcriptional signatures in HIV-1-associated neurocognitive disorder, Alzheimer's disease and multiple sclerosis: comparison with a mouse model of HAND. International Society of Neurovirology 11th International Symposium & 2012 Conference on HIV in the Nervous System, May 29 to June 2, 2012, New York, NY.

11. Nelson E, Nasrallah MP, Viaene AN, Faust PL, Antonescu CR, Li MM, Surrey LF, Luo M, Cho E-S, **Sharer LR**: Supratentorial clear cell ependymoma associated with *RELA* fusion and long term survival. Annual meeting of the American Association of Neuropathologists, poster presentation, Louisville, KY, June 8, 2018.

F. Reports:

1. "Neonate with Intracranial Hemorrhage and Thrombocytopenia, with Cerebral Vasculopathy," **Sharer LR**, Fitzhugh V, Heller D, Case 2007-5, Diagnostic Slide Session, April 28, 2007, American Association of Neuropathologists (AANP) meeting, Washington, DC.

PRESENTATIONS:

A. Scientific (*Basic Science*): None.

B. Professional (*Clinical*):

"AIDS and the Nervous System in Children" (with Leon Epstein, M.D.), Hôpital des Enfants Malades-Necker, Paris, France, June 30, 1986.

"AIDS Virus and the Brain" (with Leon Epstein, M.D.), Delta Regional Primate Research Center, Covington, Louisiana, November 17, 1986.

College of American Pathologist, Continuing Education Conference, "Update in Neuropathology: AIDS and the Nervous System," Scottsdale, Arizona, January 23, 1987.

"AIDS Virus and the Central Nervous System," Combined Meeting, College of American Pathologist/American Society of Clinical Pathologists, San Francisco, California, March 29, 1987.

"Neuropathology of AIDS in Children," Academic Medical Center, University of Amsterdam, Amsterdam, The Netherlands, September 21, 1988.

Combined Meeting, College of American Pathologists/American Society of Clinical Pathologists, "Update on Dementing Diseases: AIDS Dementia and Encephalopathy," Las Vegas, Nevada, October 26, 1988.

"Neuropathology of AIDS in Children," Royal College of Pathologists, London, United Kingdom, February 8, 1989.

"Neurological Complications of HIV Infection" Course: Overview and Update: "Neuropathology," Québec City, Canada, June 1, 1989.

Wye College Symposium, "Neuropathology of Psychiatric Disease: Neuropathology of AIDS," Wye, United Kingdom, July 18, 1989.

"Neuropathology of AIDS in Children," Hôpital de la Salpêtrière, Paris, France, July 25, 1989.

"Neuropathology of AIDS in Childhood," Fifth National Pediatric AIDS Conference, Los Angeles, California, Sept. 7, 1989.

"Neuropathology of AIDS," Ninth Annual Denny-Brown Meeting of the Boston Society of Neurology and Psychiatry, Boston, Massachusetts, February 15, 1990.

Invited participant, Workshop: "Neurological, Neuropsychological and Neuroimmunological Aspects of Pediatric AIDS," NIMH, Bethesda, MD, March 8-9, 1990.

"Update on Dementing Diseases: AIDS Dementia," College of American Pathologists, San Francisco, California, March 27, 1990.

"The Neuropathological Features of HIV and SIV Encephalitides," Child Neurology Society Symposium, AIDS in Children, Atlanta Georgia, October 19, 1990.

“Pathology of HIV Encephalitis in Children and of Experimental SIV Encephalitis,” Invited Seminar, NIH-National Institute of Mental Health (Dr. Lee Eiden), Bethesda, MD, November 9, 1990.

“Neuropathology of SIV,” in National Multiple Sclerosis Society Workshop: “Neurological Consequences of Immune Dysregulation: Lessons from HIV Infection and Multiple Sclerosis,” Sanibel Island, FL, January 21, 1992 (unable to attend, due to illness in immediate family).

“Pathology of Children with AIDS Treated with Antiretroviral Agents,” invited presentation, Second Workshop on NeuroAIDS, sponsored by Division of AIDS, NIAID, Portland, ME, July 30, 1992.

“Neuropathologic Aspects of HIV Infection in Children,” Sixth Annual Congress of the International Child Neurology Association and the First Ibero-American Congress of Pediatric Neurology, Buenos Aires, Argentina, November 12, 1992.

“Neuropathology of SIV Encephalitis,” Association for Research in Nervous and Mental Diseases (ARNMD), in 1992 Symposium, “HIV, AIDS and the Brain,” New York, NY, December 4, 1992.

“SIV Encephalitis,” Grand Rounds, Department of Pathology, Cornell University Medical College, New York, NY, July 14, 1993.

“Amplification of HIV-1 DNA in Fixed Brain Tissue,” Third Workshop on NeuroAIDS, sponsored by Division of AIDS, NIAID, Portland, ME, August 18, 1993.

Presidential Symposium, Society for Experimental Neuropathology, “The Nervous System in AIDS”: “AIDS in Children,” Boston, MA, October 17, 1993.

“Pathogenesis of HIV Encephalopathy,” Neurology Grand Rounds, New York University Medical Center, New York, NY, February 4, 1994.

“Autopsy Studies of HIV-1-Associated Progressive Encephalopathy in Children,” presented at “Workshop on HIV/SIV Pathogenesis. Mucosal Transmission, and Host Factors Responsible for Resistance to HIV Infection and Disease,” sponsored by the Division of AIDS, NIAID, Bethesda, MD, March 15, 1994.

“Neuropathology of HIV Infection,” Institute for Cancer Research (Professor Robin Weiss), London, UK, October 10, 1995.

“Pathology and Pathogenesis of HIV-1 Infection of the Brain in Children,” Institute of Neurology, Queen Square, London, UK, October 13, 1995.

“Pathology of HIV Encephalitis in Children,” St. Luke's/Roosevelt Hospital, Department of Pediatrics Grand Rounds, January 19, 1996.

“Restricted HIV-1 Infection in Vivo - Fact or Fiction,” NINDS AIDS Program Panel 2, “Neurological Injury in HIV Infection,” Miami Beach, FL, February 5, 1999.

“Opportunistic Infections,” in the Special Course, “Infectious Diseases of the CNS,” Annual Meeting, American Association of Neuropathologists, Portland, Oregon, June 17, 1999.

“Opportunistic Infections in AIDS,” at the HIV/Opportunistic Infections Workshop at the XIVth International Congress of Neuropathology, Birmingham, England, September 6, 2000.

“Regulation of Human Research,” Nassau Presbyterian Church, Princeton, NJ, October 22, 2000.

“AIDS and the Nervous System in Children,” Festschrift for Professor Peter L. Lantos, Institute of Psychiatry, London, UK, December 6, 2001.

“Opportunistic Infections in the Central Nervous System,” Session on Infectious Diseases, Seventh European Congress of Neuropathology, Helsinki, Finland, July 14, 2002.

“AIDS and the Central Nervous System in Children,” University of South Florida College of Medicine, Tampa, FL, April 30, 2003.

“Specimens and Data in Research: Investigator Perspective,” DHSS Office of Human Research Protections (OHRP) National Conference, jointly sponsored by UMDNJ, the FDA, and the Department of Veterans Affairs, Newark, NJ, November 13, 2004.

“Dementia: A Neuropathologist's Perspective,” Grand Rounds, Department of Psychiatry, New Jersey Medical School, November 16, 2005.

“Creutzfeldt-Jakob Disease,” Grand Rounds, Department of Psychiatry, New Jersey Medical School, April 15, 2009.

“AIDS Neuropathology: A 30 Year Perspective,” in the Special Course, “Acquired Neuropathology in a Changing World,” Annual Meeting, American Association of Neuropathologists, Chicago, IL, June 21, 2012.

“Myositis,” Neurology Grand Rounds, Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ, September 21, 2016.