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Academic degrees

AB, English, Cornell University, Ithaca, NY, USA (1981)
 MD, Medicine, State University of New York, Stony Brook, NY, USA (1985)

Prizes and honors

Cornell University College of Arts and Sciences, Magna cum laude (1981)
 Cornell University College of Arts and Sciences, Distinction in All Subjects (1981)
 State University of New York at Stony Brook School of Medicine, Valedictory Speaker,
 (Class of 1985)
 State University of New York at Stony Brook School of Medicine, Alpha Omega Alpha
 Medical Honor Society (1985)
 Rubinstein Award for Best Paper on Neuro-oncology, American Association of
 Neuropathologists (1993)
 Rubinstein Award for Best Paper on Neuro-oncology, American Association of
 Neuropathologists (1995)
 Rappaport Scholar, Massachusetts General Hospital (1996-97)
 Alexis A. Boss Chair of Research, The Brain Tumor Society (1996-97)
 American Brain Tumor Association Research Excellence Award, Society for Neuro-
 Oncology (1998)
 Irving M. London Teaching Award, Harvard University/Massachusetts Institute of
 Technology Division of Health Sciences and Technology (2000)
 M.A. (Honoris causa), Harvard University, Cambridge, MA (2002)
 Farber Award for Meritorious Achievements in Brain Tumor Research, Anne and Jason
 Farber Foundation, Society for Neuro-Oncology and Joint Section on Tumors of the
 American Association of Neurosurgeons/Congress of Neurological Surgeons (2003)
 Saul R. Korey Award/Lecture, American Association of Neuropathologists (2008)
 Zülch Prize (Klaus Joachim Zülch-Preis of the Gertrud Reemtsma Foundation of the
 Max Planck Society; highest honor in Germany for neurological research) (2008)

Distinguished Alumnus Award, Stony Brook University School of Medicine (2008)
 Rubinstein Award for Best Paper on Neuro-oncology, American Association of
 Neuropathologists (2009)
 President, American Association of Neuropathologists (2009-2010)
 President, New England Society of Pathologists (2011-2012)

Editorial board

Journal of Neuropathology and Experimental Neuropathology (1994-present)
 Acta Neuropathologica (1994-present)
 Brain Pathology (1996-present)
 American Journal of Pathology, 1996-2011 (Associate Editor, 2000-2002)
 Neurogenetics (1997-present)
 Neuro-Oncology (1998-2011)
 Neuropathology and Applied Neurobiology (North American editor), 1999-
 Folia Neuropathologica, (2000-present)
 Pathology International, 2001- (International Advisory Board)
 Cancer Biology and Therapy (2001-present)
 Neuropathology (2003-present)
 Archives of Pathology and Laboratory Medicine, 2011- (Executive Advisory Board)

Selected publications

von Deimling A, von Ammon K, Schoenfeld DA, Wiestler OD, Seizinger BR, Louis DN.
 Subsets of glioblastoma multiforme defined by molecular genetic analysis. *Brain
 Pathol* 3:19-26 (1993)

Cairncross JG, Ueki K, Zlatescu MC, Lisle DK, Finkelstein DM, Hammond RR, Silver
 JS, Stark PC, Macdonald DR, Ino Y, Ramsay DA, Louis DN. Specific chromosomal
 losses predict chemotherapeutic response and survival in patients with anaplastic
 oligodendrogliomas. *J Natl Canc Inst* 90:173-1479 (1998)

Ino Y, Betensky RA, Zlatescu MC, Sasaki H, Macdonald DR, Stemmer-Rachamimov
 AO, Ramsay DA, Cairncross JG, Louis DN. Molecular subtypes of anaplastic
 oligodendroglioma: implications for patient management at diagnosis. *Clinical
 Cancer Res* 7:839-845 (2001)

Okada Y, Hurwitz EE, Esposito JM, Brower MA, Nutt CL, Louis DN. Selection pressures
 of TP53 mutation and microenvironmental location influence EGFR gene
 amplification in human glioblastomas. *Cancer Res* 63:413–416 (2003)

Nutt CL, Mani DR, Betensky DA, Tamayo P, Cairncross JG, Ladd C, Pohl U, Hartmann
 C, McLaughlin ME, Batchelor TT, Black PM, von Deimling A, Pomeroy SL, Golub
 TR, Louis DN. Gene expression-based classification of malignant gliomas correlates
 better with survival than histological classification. *Cancer Res* 63:1602-1607 (2003)

- Riemenschneider MJ, Mueller W, Betensky RA, Mohapatra G, Louis DN. In situ analysis of integrin and growth factor receptor signaling pathways in human glioblastomas suggests overlapping relationships with FAK activation. *Am J Pathol* 167:1379-1387 (2005)
- Cahill DP, Levine KK, Betensky RA, Codd PJ, Romany CA, Reavie LB, Batchelor TT, Futreal PA, Stratton MR, Curry WT, Iafrate JA, Louis DN. Loss of the mismatch repair protein MSH6 in human glioblastomas is associated with tumor progression during temozolomide treatment. *Clin Cancer Res* 13:2038-2045 (2007)
- Yip S, Miao J, Cahill DP, Iafrate AJ, Aldape K, Nutt CL, Louis DN. MSH6 mutations arise in glioblastomas during temozolomide therapy and mediate temozolomide resistance. *Clin Cancer Res* 15:4622-4629 (2009)
- Mohapatra G, Engler DA, Starbuck KD, Kim JC, Bernay DC, Scangas GA, Rousseau A, Batchelor TT, Betensky RA, Louis DN. Genome-wide comparison of paired fresh frozen and formalin-fixed paraffin-embedded gliomas by custom BAC and oligonucleotide array comparative genomic hybridization: facilitating analysis of archival gliomas. *Acta Neuropathol* 121:529-43 (2011)
- Camelo-Piragua S, Jansen M, Ganguly A, Kim JCM, Cosper AK, Dias-Santagata D, Nutt CL, Iafrate AJ, Louis DN. A sensitive and specific diagnostic panel to distinguish diffuse astrocytoma from astrocytosis: chromosome 7 gain with mutant IDH1 and p53. *J Neuropathol Exp Neurol* 70:110-115 (2011)

Selected text books

- Ironside JW, Moss TH, Louis DN, Lowe JS, Weller RO. *Diagnostic Pathology of Nervous System Tumours*. London: Churchill Livingstone 2002
- Louis DN, Ohgaki H, Wiestler OD, Cavenee WK (eds.). *World Health Organization Histological Classification of Tumours of the Central Nervous System*. Lyon: International Agency for Research on Cancer 2007
- Love S, Louis DN, Ellison DW (eds.). *Greenfield's Neuropathology*, London: Arnold 2008
- Louis DN, Frosch MP, Mena H, Rushing EJ, Judkins AR. *Non-neoplastic Diseases of the Central Nervous System. First Non-neoplastic Disease Fascicle Series*. Washington, D.C.: Armed Forces Institute of Pathology 2009
- Louis DN, Young RH (eds.). *"Keen Minds to Explore the Dark Continents of Disease": A History of the Pathology Services at the Massachusetts General Hospital*, Boston: MGH 2011