

## Curriculum Vitae

John William Prineas

**Office Address:** The Brain and Mind Center, Room 711-MO2F, 94 Mallet Street, Camperdown, NSW 2050, E-mail john.prineas@sydney.edu.au

**Title and Positions:** Professor (Honorary), Medicine, Central Clinical School

### Education:

1950-1951 North Sydney Boys High School, Sydney, Australia  
1952-1957 University of Sydney, Sydney, Australia – MB BS (Hons II)

### Internships and Residencies:

1958 Royal Prince Alfred Hospital, Sydney (Professorial Resident)  
1960-1961 Glasgow Royal Infirmary (Cardiology)  
1962 Royal Free Hospital London  
1962-1963 House Physician; the National Hospital for Nervous Diseases, Maida Vale, London  
1963-1964 Senior Registrar; the National Hospital for Nervous Diseases, Maida Vale, London  
1964 Anthropological Project in Uganda  
1964-1965 Senior Registrar, Department of Neurology, the London Hospital  
1965-1967 First Assistant, University Department of Neurology, University of Newcastle upon Tyne and the Royal Victoria Infirmary, Newcastle upon Tyne

### University and Research Appointments:

1969-1972 Wellcome Australian Senior Research Fellow in Clinical Sciences, Department of Medicine, University of Sydney  
1973-1973 Senior Lecturer in Medicine, University of Sydney  
1974- Professor, Department of Neurosciences, UMDNJ-New Jersey Medical School (Professor, Adjunct, from 1999)  
1981-1999 Professor, Department of Pathology, UMDNJ-New Jersey Medical School  
1988-1999 Member of the Graduate School of Biomedical Sciences, Department of Neurosciences, UMDNJ-Graduate School of Biomedical Sciences  
1999-Present Professor (Honorary) Medicine, Central Clinical School, University of Sydney  
2000-2010 Visiting Professor, Department of Pathology, Albert Einstein College of Medicine, NY

### Honorary/Consultant Hospital Appointments:

1966-1967 Consultant Neurologist, Sunderland Group Hospitals, England  
1968-1969 Associate Attending Neurologist, Bronx Municipal Hospital  
1969-1973 Honorary Outpatients Physician, Royal Prince Alfred Hospital; Honorary Physician, Rachel Forster Hospital, Sydney  
1969-1973 Visiting Specialist, Repatriation General Hospital, Concord  
1974-1999 Attending Neurologist, Martland Hospital and University Hospital, Newark, NJ  
1976-2000 Attending Neurologist, Department of Veterans Affairs Medical Centre, East Orange, NJ

### Other Professional Positions:

1976-1987 Visiting Professor of Pathology, Albert Einstein College of Medicine, NY  
1989-1990 Visiting Professor, Department of Medicine, University of Sydney

**Research Fellowships:**

1967-1969      Research Fellow National Multiple Sclerosis Society, Departments of Neurology and Neuropathology, Albert Einstein College of Medicine, New York – Supervisors: L. Scheinberg, MD and R. Terry, MD

**Licensure:**

New Jersey      #MA35662, Issued 1978  
New York      #130870, Issued 1978  
NSW, Australia      #10561, Issued 1958  
                         #MP0329701, Issued March 1999 (current)  
United Kingdom      #0998486, Issued 1960

**Certification:**

Member of the Royal College of Physicians, London – June 1961; Fellow 1994  
Member of the Royal College of Physicians, Edinburgh – May 1961, Fellow 1979

**Major Committee Assignments:****National and Regional**

1980      Member, Organizing Committee, Conference on the Guillain-Barre Syndrome, The Kroc Foundation  
1982-1988      Member, National MS Society Advisory Committee on Etiology, Diagnosis, Natural History, Prevention and Therapy of MS  
1983-1985      Member, National MS Society Working Group on Neuroimaging  
1985-1995      Member, International Medical Advisory Board, International Federation of MS Societies  
1986-1999      Member, Policy Advisory Committee, National Neurological Research Bank, Los Angeles  
1987      Member, Research Group on Neuromuscular Diseases, World Federation of Neurology

**Grants Reviewed:**

National Institutes of Health – project grant, University of California, San Diego  
Project grant, University of California, San Francisco  
National MS Society, New York  
The Kroc Foundation  
Veterans Administration  
Spinal Cord Research Foundation of the Paralyzed Veterans of America  
National Multiple Sclerosis Society of Australia  
Multiple Sclerosis Society of Canada

**Medical School:**

1978      Member, Academic Programs and Policies Committee  
1985-1986      Member, Faculty Committee on Appointments and Promotions  
1987-1988      Faculty Council, UMDNJ-New Jersey Medical School  
1994      Search Committee, Chair of Ophthalmology  
1994-1995      Member, Faculty Committee on Appointments and Promotions  
1995-1996      Member, Ethics Committee  
1995-1998      Member, Faculty Committee on Appointments and Promotions  
1998      Chair, Committee to Review Stewardship of Departmental Chair

**Professional Societies:**

1961-1976      British Medical Association  
1961-Present      Royal College of Physicians, London

1961-Present	Royal College of Physicians, Edinburgh
1970-Present	Royal Australian Association of Neurologists
1975-1998	New York Microscopical Society
1975-1998	American Association for the Advancement of Science
1976-Present	American Association of Neuropathologists
1987-Present	American Neurological Association
1988-Present	Fellow, Royal Microscopical Society
1994-1996	Peripheral Nerve Society

#### **Awards and Honors:**

1967-1969	Junior Investigator Award, MS Society
1969	Weil Award, American Association of Neuropathologists
1975	Weil Award, American Association of Neuropathologists
1976	Moore Award, American Association of Neuropathologists
1969-1972	Welcome Australian Senior Clinical Research Fellowship
1991	University Excellence Award for Biomedical Research, UMDNJ-New Jersey Medical School
1994	Honorary Fellow Australian Association of Neurologists
2001	American Academy of Neurology and the National Multiple Sclerosis Society Dystel Prize For Multiple Sclerosis Research
2003	Inaugural Theodor Schwann Lecture, University of Wurzburg, Germany
2009	Charcot Award for Multiple Sclerosis Research, International Federation of MS Societies
2011	Officer of the Order of Australia (AO)
2011	Degree of Doctor of Medicine ( <i>honoris causa</i> ) for contributions to neurological science

#### **Ad Hoc Reviewer:**

Annals of Neurology  
Archives of Neurology  
American Journal of Pathology  
Journal of Neuropathology and Experimental Neurology  
Brain  
Brain Research  
Cell Adhesion and Communication  
Journal of Neuroimmunology  
Journal of Neurological Sciences  
Neurology  
Journal of Neurology, Neurosurgery and Psychiatry  
Laboratory Investigation  
Muscle and Nerve  
Multiple Sclerosis Journal  
Science

#### **Major Research Interests:**

Pathology of myelin

#### **Grant History – Principal Investigator (US\$):**

<b>Agency</b>	<b>Grant Period</b>	
National MS Society	07/01/74 – 02/01/75	16,432
	10/01/82 – 09/30/86	270,000
	10/01/86 – 09/30/89	245,000
	10/01/89 – 09/30/92	231,661
	10/01/92 – 09/30/95	271,817

	10/01/95 – 09/30/98	204,800
The Kroc Foundation	02/01/75 – 06/30/75	11,498
	07/01/75 – 06/30/78	13,856
	01/01/79 – 12/31/79	25,345
US Department of Veterans Affairs	04/01/75 – 03/31/77	41,240
	04/01/77 – 03/31/79	45,000
	04/01/79 – 03/31/82	83,800
	04/01/82 – 03/31/85	120,900
	04/01/86 – 03/31/89	143,500
	04/01/89 – 03/31/92	138,300
	04/01/92 – 03/31/95	189,814
UMD New Jersey Medical Foundation	07/01/95 – 06/31/96	20,000

#### Co-Principal Investigator (A\$):

Ramaciotti Foundation	2007	30,000
MS Research Australia	2007-2008	120,000
MS Research Australia	2008	40,000
NSW Health	2005-2010	1,000,000
Private Benefactor	2012-2018	350,000

#### Invited Presentations – Selected:

1973	Etiology and Pathogenesis of the Demyelinating Diseases, World Federation of Neurology, Kyoto, Japan
1973	Multiple Sclerosis Symposium, Montreal Neurological Institute
1976	United States-Japan Conference on Multiple Sclerosis, National Science Foundation and The Kroc Foundation, Santa Ynez, CA
1978	The Nature of Treatment of Symptoms in Multiple Sclerosis, The Kroc Foundation, Santa Ynez, CA
1978	Society of Neurosciences, 7 <sup>th</sup> Annual Meeting, Los Angeles, CA
1980	The Kroc Foundation Conference, Guillain-Barre Syndrome, Santa Ynez, CA
1980	Progress in MS Research, International Federation of MS Societies, Gottingen, W. Germany
1981	National MS Society, Workshop in Oligodendrocytes, Airlie, VA
1983	Multiple Sclerosis: Experimental and Clinical Aspects. New York Academy of Sciences, New York
1983	Winter Conference on Brain Research, Keystone, CO
1984	National MS Society, Workshop on Mechanisms of Myelin Breakdown, Airlie, VA
1985	Multiple Sclerosis Satellite Symposium, XIII World Congress of Neurology, Wurzburg. W. Germany
1985	International Symposium on Peripheral Nerve Disorders, American Association of Electromyography and Electrodiagnostics, Las Vegas, NV
1986	"Pathogenetic mechanisms of immunologically mediated neurological disease." Rockefeller University, New York, February
1987	"White matter alterations in demyelinating disorders which facilitate detection by nuclear magnetic resonance imaging (MRI)." Twentieth Annual Winter Conference on Brain Research, Vale, CO, January
1987	"Pathology of multiple sclerosis." Department of Neurosciences. The John Hopkins University School of Medicine, Baltimore, MD, January
1987	"Remyelination in multiple sclerosis." Department of Neurology, VA Wadsworth Medical Centre, Los Angeles, CA, August
1987	"Pathology of multiple sclerosis." First Northern Lights Neurosciences Symposium, Bergen, Norway, May
1987	Chairman, "Demyelination," American Association of Neuropathologists 63 <sup>rd</sup> Annual Meeting, Seattle, WA, June
1988	"Demyelination glial damage and remyelination in multiple sclerosis." International Workshop "Functional Consequences of Demyelination," La Sapiniere, Val-David, Quebec, Canada, June
1988	"Inflammation, demyelination, remyelination." International Workshop on Diagnostic and Therapeutic Trials in Multiple Sclerosis: A New Look, Jekyll Island, Georgia, November

- 1988 "Pathology of multiple sclerosis." National Neurological Brain Bank, VA Wadsworth Medical Centre, Los Angeles, CA, August
- 1988 "Demyelination in the peripheral and central nervous system" Invited Speaker. Symposium Demyelination and Remyelination of the Nervous System. American Electroencephalographic Society, Annual Meeting, San Diego, CA, October
- 1988 "The pathology of multiple sclerosis: Current status of research and treatment." Neurological Services Center, Good Samaritan Hospital, Portland, OR, May
- 1989 "Conceptual issues in the immunology of multiple sclerosis: The study of early lesions in MS". Little Company of Mary Hospital, Melbourne
- 1989 "Pathology of multiple sclerosis". Sandoz Lecture, Regents Hotel, Sydney, October
- 1989 "Remyelination in multiple sclerosis". Walter and Eliza Hall Institute, Melbourne, November
- 1990 "Pathology of multiple sclerosis". Royal Adelaide Hospital, Adelaide, April
- 1990 "Pathology of multiple sclerosis". Westmead Hospital, Sydney, February
- 1995 "Pathogenesis of neuroimmunologic disease". Marine Biological Laboratory, Woods Hole, MA, April
- 1996 "Histopathological spectrum of MS". Scandinavian Society of Neuropathology, Bergen, Norway, May
- 1990 "Multiple sclerosis." Division of Medicine, Royal Prince Alfred Hospital, Sydney, Australia, January
- 1990 "Recent advances in the pathology of multiple sclerosis." Royal Brisbane Hospital, Herston, QLD, Australia, March
- 1990 "Pathology of multiple sclerosis." University of London, England, Guy's and St Thomas' Hospitals, November
- 1990 "Pathology of multiple sclerosis." Northwest Combined Neurology Meeting, Lidcome Hospital, NSW, April
- 1991 "Regeneration of oligodendrocytes and myelin in early multiple sclerosis." International Federation of Multiple Sclerosis Societies, Amsterdam, The Netherlands, October
- 1992 Chairman, Section "Demyelinating Diseases." American Association of Neuropathologists, St Louis, MO, June
- 1992 "Remyelination in acute multiple sclerosis." Keynote Address, Satellite Meeting, Gordon Conference, Farmington, CT, July
- 1992 "Pathology of multiple sclerosis." Mayo Clinic, Visiting Professor, Department of Neurology, Rochester, MN, July
- 1994 "The pathology of multiple sclerosis." Keynote Speaker, Australian Association of Neurologists, Canberra, Australia, May
- 1994 "Acute multiple sclerosis." Keynote Lecturer, Australian and New Zealand Society for Neuropathology, Satellite Meeting of Australian Association of Neurologists, Canberra, Australia, May
- 1995 "Pathology of multiple sclerosis." British Immunology Group, Symposium Immunological and Inflammatory Diseases of the Nervous System, King's College, Cambridge, UK, April
- 1995 "Pathogenesis of neuroimmunologic disease". Marine Biological Laboratory, Woods Hole, MA, April
- 1996 "Histopathological spectrum of MS". Scandinavian Society of Neuropathology, Bergen, Norway
- 1997 "The evolution of multiple sclerosis lesions in the brain." Joint meeting of the Australian Association of Neurologists, Sydney, Australia, May
- 1997 "The Evolution of Multiple Sclerosis Lesions in the Brain". Joint Annual Meeting of the Australian Association of Neurologists and the Association of British Neurologists, Sydney, Australia, 2 May, 1997
- 1997 "The Spectrum of Multiple Sclerosis Pathology". International Symposium Immunopathology of Multiple Sclerosis". Institute of Neurology, University of Vienna, Vienna, 14-16 November, 1997
- 1998 "Evolution of the Multiple Sclerosis Lesion", Gordon Research Conference on Myelin, Ventura, CA, 1-5 February, 1998
- 2000 "The Classification of Multiple Sclerosis Pathology", The Forum Modern Management Workshop. Athens, March 2000
- 2000 The Kroc Foundation Lecture, Albert Einstein College of Medicine, New York. "Pathology of Secondary Progressive Multiple Sclerosis. 11 October, 2000
- 2000 Progress in Multiple Sclerosis Research, Walter and Eliza Hall Institute. "Pathology of Acute and Chronic Multiple Sclerosis". Melbourne, 23 November, 2000
- 2001 Neuronal Injury in MS and Related Disorders. Invited Discussant. New Orleans, Louisiana, March 2001.
- 2001 The Dystel Award Lecture "Pathogenesis of Acute, Static and Progressive Multiple Sclerosis Lesions". American Academy of Neurology Annual Meeting, Philadelphia, May 2001
- 2001 "Axon Injury in Multiple Sclerosis". International MS Lesion Project Advisory Committee Meeting, Mayo Clinic, Rochester, May 2001
- 2001 Multiple Sclerosis 2001: A New Era in Research and Therapeutics. "Multiple Sclerosis – a Disease or Syndrome?" University of Medicine and Dentistry of New Jersey, Newark, May 2001
- 2002 International Workshop on Repair in the Central Nervous System. "Evidence of Remyelination in Multiple Sclerosis". Nice, France, October 2002

- 2003 Visiting Scientist, Dept of Neuropathology, Gottingen University, Gottingen, Germany "Recent Advances in the Pathology of Multiple Sclerosis", 2-9 October, 2003
- 2003 Inaugural Theodor Schwann Lecture "Relapsing and Remitting Multiple Sclerosis: Pathology of the Discrete Attack". University of Wurzburg, Wurzburg, Germany 24 October, 2003
- 2003 "Pathology Underlying Discrete Clinical Attacks in Patients with Multiple Sclerosis". University of Medicine and Dentistry of New Jersey, Newark, November, 2003
- 2004 "The Pathology of Acute MS". Inaugural Meeting, Sydney Neuroimmunology Society, Sydney 18 February, 2004.
- 2004 "Pathology of acute disseminated encephalomyelitis and multiple sclerosis". Annual update in paediatric neurology. The Children's Hospital at Westmead, 21 October 2004
- 2004 Multiple Sclerosis: New Findings in Neuropathology. Progress in Multiple Sclerosis Research. The Walter and Eliza Hall Institute, Melbourne. 10-12th November, 2004
- 2005 Keynote Address: Characterizing and Understanding MS Phenotypes. 8 21st Congress of European Committee for Treatment and Research in Multiple Sclerosis. Thessalonica, Greece. Sept 28 - Oct 2005
- 2005 Keynote Address: Pathology of Acute and Relapsing and Remitting Multiple Sclerosis. 18th World Congress of Neurology. Sydney, Australia. 5-11th November, 2005
- 2007 Chair of Session entitled Homogeneity Versus Heterogeneity in MS: Stage Dependent or Patient Dependent. 23rd Congress of the European Committee for Treatment & Research in Multiple Sclerosis. Prague. Oct 11 – 14, 2007
- 2007 Keynote Address: Role of Inflammation in the Pathogenesis of Multiple Sclerosis. Current research in MS. Walter & Eliza Institute, Melbourne. November 15-16, 2007
- 2007 "Hot Topics in MS": Homogeneity versus heterogeneity in MS: stage- dependent or Patient -dependent. Congress of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS) 11-14 October 2007, Prague, Czech Republic.
- 2007 The distribution of immunoglobulins and complement in post-mortem multiple sclerosis tissue: implications for pathogenesis. (Barnett MH, Cho ES, Prineas JW) ECTRIMS 11-14 October 2007, Prague, Czech Republic (Poster)
- 2008 Changing concepts in the immunopathology of multiple sclerosis. Postgraduate Course in Neurology. Westin Hotel, Sydney 15-16 March 2008
- 2008 Research objectives of the MS research group. BMR Scientific Retreat, Brain and Mind Research Institute, University of Sydney, 4-5 April 2008
- 2008 Multiple sclerosis – a neuropathologist's perspective. Festschrift for Dr Gytis Danta, Canberra Hospital. 16 February 2008
- 2008 Immune- mediated inflammatory demyelinating diseases of the peripheral nervous system. Festschrift for Professor John Pollard, Centenary Institute, Royal Prince Alfred Hospital, 2 June 2008
- 2008 The pathology of multiple sclerosis. Festschrift for Dr Cedric Raine. Albert Einstein College of Medicine, Bronx, New York, 30 June 2008
- 2009 The Charcot Award Lecture - The pathogenesis of relapsing and remitting multiple sclerosis: Versions one to five and counting. European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS), Dusseldorf, Germany, 11 September 2009
- 2009 Oligodendrocyte apoptosis and demyelination in multiple sclerosis and neuromyelitis optica. 19th World Congress of Neurology, Bangkok, Thailand, October 24-30, 2009
- 2013 The pathogenesis of relapsing and remitting multiple sclerosis. Department of Neurology and Neurosciences. Grand Rounds. UMD- New Jersey Medical School, 3 April 2013

## **Publications – Journals**

### **2023**

Prineas JW, Lee S. Microglia subtypes in acute, subacute, and chronic multiple sclerosis. *J Neuropathol Exp Neurol* 2023, 1-21 <https://doi.org/10.1093/jnen/nlad046>

### **2021**

Prineas JW, Parratt JDE. Multiple sclerosis: microglia, monocytes and macrophage – mediated demyelination. *J Neuropathol Exp Neurol* 2021;80:975-996.

**2019**

Prineas JW, Lee S. Multiple Sclerosis: Destruction and Regeneration of Astrocytes in Acute Lesions. *J Neuropathol Exp Neurol.* 2019;78(2):140-56.

**2018**

Prineas JW, Parratt JDE. Multiple sclerosis: Serum anti-CNS autoantibodies. *Mult Scler.* 2018;24(5):610-22.

**2017**

Albert M, Barrantes-Freer A, Lohrberg M, Antel JP, Prineas JW, Palkovits M, et al. Synaptic pathology in the cerebellar dentate nucleus in chronic multiple sclerosis. *Brain Pathol.* 2017;27(6):737-47.

**2016**

Prineas JW, Parratt JD, Kirwan PD. Fibrosis of the Choroid Plexus Filtration Membrane. *J Neuropathol Exp Neurol.* 2016;75(9):855-67.

**2012**

Prineas JW, Parratt JD. Oligodendrocytes and the early multiple sclerosis lesion. *Ann Neurol.* 2012;72(1):18-31.

Barnett MH, Prineas JW, Buckland ME, Parratt JD, Pollard JD. Massive astrocyte destruction in neuromyelitis optica despite natalizumab therapy. *Mult Scler.* 2012;18(1):108-12.

**2011**

Ly L, Barnett MH, Zheng YZ, Gulati T, Prineas JW, Crossett B. Comprehensive tissue processing strategy for quantitative proteomics of formalin-fixed multiple sclerosis lesions. *J Proteome Res.* 2011;10(10):4855-68.

**2010**

Parratt JD, Prineas JW. Neuromyelitis optica: a demyelinating disease characterized by acute destruction and regeneration of perivascular astrocytes. *Mult Scler.* 2010;16(10):1156-72.

Prineas JW, Henderson AP, Barnett MH, Parratt JD. Multiple Sclerosis as an "Inside-Out" Disease Reply *Annals of Neurology* 2010;68 (5):768-768

Hawke S, Wong TK, Barnett MH, Prineas JW, Pollard JD. Multiple Sclerosis Research Australia (MSRA) Brain Bank *Multiple Sclerosis* 2010;16 (2): 274-275.

**2009**

Prineas JW. The pathogenesis of relapsing and remitting multiple sclerosis-versions one to five and counting. *Multiple Sclerosis* 2009; 15 (9): S18-S1

Henderson AP, Barnett MH, Parratt JD, Prineas JW. Multiple sclerosis: distribution of inflammatory cells in newly forming lesions. *Ann Neurol.* 2009;66(6):739-53.

Barnett MH, Parratt JD, Pollard JD, Prineas JW. MS: is it one disease? *Int MS J.* 2009;16(2):57-65.

Lincoln JA, Cadavid D, Pollard J, McLeod J, Prineas J, Dowling P, et al. We should use magnetic resonance imaging to classify and monitor the course of multiple sclerosis. *Arch Neurol.* 2009;66(3):412-4.

Barnett MH, Parratt JD, Cho ES, Prineas JW. Immunoglobulins and complement in post-mortem multiple sclerosis tissue. *Ann Neurol.* 2009;65(1):32-46.

**2008**

Parratt, J., Henderson, A., Prineas, J. (2008). The cellular pathology of multiple sclerosis: Granzyme B expressing CD8-T lymphocytes predominate in demyelinated zones of acute lesions. *Journal of Clinical Neuroscience*, 15(3), 359-360. <a href="http://dx.doi.org/10.1016/j.jocn.2007.07.061">[More Information]</a>

**2006**

Barnett MH, Henderson AP, Prineas JW. The macrophage in MS: just a scavenger after all? Pathology and pathogenesis of the acute MS lesion. *Mult Scler*. 2006;12(2):121-32.

Patani, R., Barnett, M., Prineas, J. (2006). The pathology of impaired remyelination in multiple sclerosis. *189th Meeting of the Pathological Society of Great Britain and Ireland*, United Kingdom: John Wiley & Sons.

**2004**

Barnett MH, Prineas JW. Relapsing and remitting multiple sclerosis: pathology of the newly forming lesion. *Ann Neurol*. 2004;55(4):458-68.

Barnett M, Prineas JW. Reply: Pathological heterogeneity in multiple sclerosis: A reflection of lesion stage? *Annals of Neurology* 2004;56 (2): 309-309.

**2002**

Prineas JW, McDonald, Franklin R. Demyelinating Diseases. In Greenfield's Neuropathology, 7<sup>th</sup> edition Eds DI Graham and PL Lantos, Arnold, London, New Delhi, 2002; 471-550.

Ilyas AA, Chen ZW, Prineas JW. Generation and characterization of antibodies to sulfated glucuronyl glycolipids in Lewis rats. *J Neuroimmunol*. 2002;127(1-2):54-8.

**2001**

Prineas JW, Kwon EE, Cho ES, Sharer LR, Barnett MH, Oleszak EL, et al. Immunopathology of secondary-progressive multiple sclerosis. *Ann Neurol*. 2001;50(5):646-57.

**2000**

Chang A, Nishiyama A, Peterson J, Prineas J, Trapp BD. NG2-positive oligodendrocyte progenitor cells in adult human brain and multiple sclerosis lesions. *J Neurosci*. 2000;20(17):6404-12.

**1999**

Prineas JW. Pathology of multiple sclerosis. In SD Cook ed, *Handbook of Multiple Sclerosis*, Marcel Dekker, New York, NY, 1999; 289-324.

**1998**

Lassmann H, Raine CS, Antel J, Prineas JW. Immunopathology of multiple sclerosis: report on an international meeting held at the Institute of Neurology of the University of Vienna. *J Neuroimmunol*. 1998;86(2):213-7.

**1994**

Maeda Y, Maeda R, Prineas JW, Ledeen RW. Phosphatidylserine suppresses myelin-induced experimental allergic neuritis (EAN) in Lewis rats. *J Neuropathol Exp Neurol*. 1994;53(6):672-7.

Kwon EE, Prineas JW. Blood-brain barrier abnormalities in longstanding multiple sclerosis lesions. An immunohistochemical study. *J Neuropathol Exp Neurol*. 1994;53(6):625-36.

Prineas JW. Pathology of inflammatory demyelinating neuropathies. *Baillieres Clin Neurol*. 1994;3(1):1-24.

Rojiani AM, Cho ES, Sharer L, Prineas JW. Electrolyte-induced demyelination in rats. 2. Ultrastructural evolution. *Acta Neuropathol*. 1994;88(4):293-9.

Rojiani AM, Prineas JW, Cho ES. Electrolyte-induced demyelination in rats. 1. Role of the blood-brain barrier and edema. *Acta Neuropathol*. 1994;88(4):287-92.

**1993**

Prineas JW, Barnard RO, Revesz T, Kwon EE, Sharer L, Cho ES. Multiple sclerosis. Pathology of recurrent lesions. *Brain*. 1993;116 (Pt 3):681-93.



Prineas JW, Barnard RO, Kwon EE, Sharer LR, Cho ES. Multiple sclerosis: remyelination of nascent lesions. *Ann Neurol*. 1993;33(2):137-51.

#### **1991**

Barnes D, Munro PM, Youl BD, Prineas JW, McDonald WI. The longstanding MS lesion. A quantitative MRI and electron microscopic study. *Brain*. 1991;114 (Pt 3):1271-80.

#### **1990**

Prineas JW. Pathology of multiple sclerosis. In SD Cook ed, *Handbook of Multiple Sclerosis*, Marcel Dekker, New York, NY, 1990;187-218.

Prineas JW, Kwon EE, Goldenberg PZ, Cho ES, Sharer LR. Interaction of astrocytes and newly formed oligodendrocytes in resolving multiple sclerosis lesions. *Lab Invest*. 1990;63(5):624-36.

Goldenberg PZ, Troiano RA, Kwon EE, Prineas JW. Sera from MS patients and normal controls opsonize myelin. *Neurosci Lett*. 1990;109(3):353-6.

#### **1989**

Prineas JW, Kwon EE, Goldenberg PZ, Ilyas AA, Quarles RH, Benjamins JA, et al. Multiple sclerosis. Oligodendrocyte proliferation and differentiation in fresh lesions. *Lab Invest*. 1989;61(5):489-503.

Goldenberg PZ, Kwon EE, Benjamins JA, Whitaker JN, Quarles RH, Prineas JW. Opsonization of normal myelin by anti-myelin antibodies and normal serum. *J Neuroimmunol*. 1989;23(2):157-166.

#### **1988**

Sharer LR, Prineas JW. Human immunodeficiency virus in glial cells. *Journal of Infectious Diseases* 1988;157: 204-204.

#### **1987**

Asbury A, Herndon R, McFarland H, McDonald, McIlroy WJ, Paty DW, Prineas JW, et al. National multiple sclerosis society working group on neuroimaging for the medical advisory board. *Neuroradiology* 1987; 29 (2):119-119.

Rojiani AM, Prineas JW, Cho ES. Protective effect of steroids in electrolyte-induced demyelination. *J Neuropathol Exp Neurol*. 1987;46(4):495-504.

#### **1986**

Paty DW, Asbury AK, Herndon RM, McFarland HF, McDonald WI, McIlroy WJ, Prineas JW, Scheinberg LC, and Wolinsky JS. Use of magnetic-resonance-imaging in the diagnosis of multiple sclerosis— Policy statement of the National Multiple Sclerosis Society. *Neurology* 1986;36: 1575.

Dowling PC, Blumberg BM, Kolakofsky D, Cook P, Jotkowitz A, Prineas JW, et al. Measles virus nucleic acid sequences in human brain. *Virus Res*. 1986;5(1):97-107.

#### **1985**

Prineas JW. The neuropathology of multiple sclerosis. In: Koetsier JC, ed. *Handbook of Clinical Neurology*. Vol. 47. Amsterdam: Elsevier, 1985:213-257.

#### **1984**

Prineas JW, Kwon EE, Sternberger NH, Lennon VA. The distribution of myelin-associated glycoprotein and myelin basic protein in actively demyelinating multiple sclerosis lesions. *J Neuroimmunol*. 1984;6(4):251-64.

Prineas JW, Kwon EE, Cho ES, Sharer LR. Continual breakdown and regeneration of myelin in progressive multiple sclerosis plaques. *Ann N Y Acad Sci*. 1984;436:11-32.

**1983**

Epstein LG, Prineas JW, Raine CS. Attachment of myelin to coated pits on macrophages in experimental allergic encephalomyelitis. *J Neurol Sci.* 1983;61(3):341-8.

**1981**

Cook SD, Dowling PC, Prineas JW, Hall WW. A radioimmunoassay search for measles and distemper antigens in subacute sclerosing panencephalitis and multiple sclerosis brain tissues. *J Neurol Sci.* 1981;51(3):447-56.

Prineas JW, Graham JS. Multiple sclerosis: capping of surface immunoglobulin G on macrophages engaged in myelin breakdown. *Ann Neurol.* 1981;10(2):149-58.

Prineas JW. Pathology of the Guillain-Barre syndrome. *Ann Neurol.* 1981;9 Suppl:6-19.

**1980**

Dowling, P.C., Cook, S.D., Prineas, J.W., (1981). Proceedings of a conference on Guillain Barre syndrome held in Santa-Ynez Valley, CA on 22-26 September 1980 – Preface. *Annals of Neurology* 1981;9:R3-R3.

Dalakas M, Wright RG, Prineas JW. Nature of the reversible white matter lesion in multiple sclerosis. Effects of acute inflammation on myelinated tissue studied in the rabbit eye. *Brain.* 1980;103(3):515-24.

**1979**

Prineas JW. Multiple sclerosis: presence of lymphatic capillaries and lymphoid tissue in the brain and spinal cord. *Science.* 1979;203(4385):1123-5.

Prineas JW, Connell F. Remyelination in multiple sclerosis. *Ann Neurol.* 1979;5(1):22-31.

**1978**

Prineas JW, Connell F. The fine structure of chronically active multiple sclerosis plaques. *Neurology.* 1978;28(9 Pt 2):68-75.

Prineas JW, Wright RG. Macrophages, lymphocytes, and plasma cells in the perivascular compartment in chronic multiple sclerosis. *Lab Invest.* 1978;38(4):409-21.

Low PA, McLeod JG, Prineas JW. Hypertrophic Charcot-Marie-Tooth disease. Light and electron microscope studies of the sural nerve. *J Neurol Sci.* 1978;35(1):93-115.

**1977**

Schaumburg HH, Powers JM, Raine CS, Spencer PS, Griffin JW, Prineas JW, et al. Adrenomyeloneuropathy: a probable variant of adrenoleukodystrophy. II. General pathologic, neuropathologic, and biochemical aspects. *Neurology.* 1977;27(12):1114-9.

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**1976**

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