

March 2013

CURRICULUM VITAE

NAME: Diane H. Norback, M.D., Ph.D.

OFFICE ADDRESS: University of Wisconsin Hospital & Clinics  
Clinical Laboratories  
600 Highland Avenue  
Madison, WI 53792  
Telephone # [REDACTED]

HOME ADDRESS: [REDACTED]

BIRTH DATE AND PLACE: [REDACTED]

EDUCATION: [REDACTED] BA Chemistry, Biology Luther College, Decorah, IA  
[REDACTED] MAT Education Northwestern University, Evanston, IL  
[REDACTED] PhD Pathology major and Biochemistry minor University of Wisconsin, Madison, WI  
[REDACTED] MD University of Wisconsin, Madison, WI

INTERNSHIP: [REDACTED] Pathology University of Wisconsin Hospitals, Madison, WI

RESIDENCY: [REDACTED] Pathology University of Wisconsin Hospitals, Madison, WI

BOARD CERTIFICATION:  
Certification in Hematology by the American Board of Pathology [REDACTED]  
Certification in Anatomic and Clinical Pathology by the American Board of Pathology [REDACTED]  
Diplomat of the National Board of Medical Examiners ([REDACTED])

STATE MEDICAL LICENSE #:  
Wisconsin License # [REDACTED]

NARCOTICS REGISTRATION #:  
[REDACTED]

HONORS AND AWARDS:  
American Cancer Society Junior Faculty Fellow ([REDACTED])  
Sigma Xi  
Fellow of the College of American Pathologists  
Completion of UW SMPH MEDAL PROGRAM [REDACTED]

EDITORIAL BOARD  
Journal of Histotechnology

PROFESSIONAL SOCIETIES:

American Society for Investigative Pathology (previously American Association of Pathologists)  
Electron Microscopic Society of America (discontinued)  
Society of Toxicology (discontinued)  
United States and Canadian (previously International) Academy of Pathology  
Midwest Society of Electron Microscopists (discontinued)  
Wisconsin Society of Pathologists  
Society for Analytic Cytology  
American Society of Hematology  
College of American Pathologists  
National Society for Histotechnology

ACADEMIC APPOINTMENTS:

1981-present	Associate Professor (tenured), Department of Pathology and Laboratory Medicine, University of Wisconsin, Madison, WI
1975-1981	Assistant Professor, Department of Pathology (and Laboratory Medicine since 1978) University of Wisconsin, Madison, WI
1975-1985	Affiliate Scientist, Wisconsin Regional Primate Research Center, Madison, WI
1973-1974	Research Associate, Department of Pathology, University of Wisconsin, Madison, WI
1967-1971	Research Assistant, Department of Pathology, University of Wisconsin, Madison, WI

HOSPITAL APPOINTMENTS:

2012-	Medical Director, UWMC Core Hematology Laboratory
2012-	CLIA Director, Point of Care Testing, UWMC and University Station
1982-1989	Director, UWMC Hematology Laboratory
1982-1988	Associate Director, UWMC Clinical Laboratories
1975-present	Staff Pathologist, University of Wisconsin Hospital, Madison, WI
1974-1977	Resident, Department of Pathology, University of Wisconsin Hospital, Madison, WI
1977-1982	Staff Pathologist, Wm. S. Middleton Memorial Veterans' Hospital, Madison, WI.

TEACHING RESPONSIBILITIES:

Pathology 730: Systemic Pathology—5 credits; course instructor; hematopathology (5 lectures plus 2 laboratories); female genital system and breast (5 lectures plus 2 laboratories); lung tumors (1 lecture); ear, nose, and throat pathology (3 lectures plus laboratory); bone pathology (3 lectures plus laboratory); laboratory medicine (2 lectures); eye pathology (1 laboratory); 13 microscopy laboratory sessions; 5-8 students when offered; 1974-1990

Pathology 731: Ultrastructural and Cytchemical Pathology—3 credits; electron microscopy of hematologic disorders (2 lectures and 2 laboratories) and electron microscopy in surgical pathology (1 lecture and laboratory); 1976-1990

Pathology 990: Research—1 to 5 credits; advise 2-5 students per semester and summer session; 1976-1993

Pathology 770: Autopsy Pathology—1 to 10 credits; supervised

- approximately 10 groups of medical or graduate students per year; 1975-1982
- Pathology 799: Independent Reading and Research—1 to 5 students; 1977-1991
- Pathology 703: General Pathology—3 credits; Laboratory instructor for graduate students; approximately 15-30 students, 1974-1979; laboratory instructor for medical students, 24 students; 1981-1984; small group discussion leader for medical students, approximately 10 students, 1994-2005
- Pathology 402: Survey of Disease States—2 lectures on hematopathology; 400 students; 1988-1990
- Pathology 699: Independent Study – Mentor for undergraduate student research – [REDACTED]; 2000-2002
- Pathology Residency Program  
Director; 1976-1978  
Coordinator of Clinical Pathology for the Clinical Laboratories; 1985-1990  
Coordinator for the Didactic Tuesday Morning Clinical Pathology Conference; schedule or present all lectures; 1985-2008  
Hematology Instructor; each resident in clinical pathology rotates through this service; 1982-1991 and 1994-2005  
Microscopic Review of Lymphoma Conference; instructor for monthly (twice monthly since 2000) conference; 1996-2008  
CP Weekly Report Conference; oversee resident presentations on hematology and flow cytometry; 1998-2000  
Autopsy Pathology Instructor; 1975-1982, 1985-1990, 1995  
Autopsy Pathology Consultant to Residents for Hematology and Clinical Pathology; 1994-present  
Diagnostic Electron Microscopy Instructor; 8 residents elected a rotation in EM for periods of time ranging from 1-12 months; 1977-1982
- Pathology Graduate Student Program major professor for 6 graduate students; 1976-1994
- Pathology Postdoctoral Training Program 3 postdoctoral fellows; 1978-1990
- Hematology Fellowship Program provide instruction for hematology fellows; 1996-2005
- Pediatrics Postdoctoral Training Program provide monthly conference in hematopathology to all residents and postdoctoral fellows in pediatrics; 1985-1990 and 1995-2004
- Hospital Conferences for Staff, Residents, and Medical Students:  
Medicine/Pathology Hematology Conference; weekly conference; 1982-present  
Pediatric Hematology/Oncology Conference; weekly conference; 1982-2005  
Lymphoma Conference for Pathology, Medicine, and Oncology; monthly conference; 1996-present (now part of Hematology conference)
- Medical School 622-703-7: Hematology--3 credits; 2nd year curriculum Director 2004-2009, small group leader for approximately 10-35 students 1984-present; Lecturer for Acute Leukemia 1996-2005; Lecturer for Lymphoma 1999-2005
- Medical School Continuing Medical Education: Basic Hematology; Course Director 2004-present
- Medical School 704-924: Laboratory Medicine Clinical Hematology Elective--3 credits, 4th year curriculum 1983-2005
- Medical School 622-722-7: Female Reproductive Organs--1 credit; 2nd year curriculum 2 lectures; approximately 130 students; 1980-1985

Environmental Toxicology 626 and Pathology 626: Toxicology; 2 lectures on blood-formed elements; toxicant produced anemias; 1985-1987

Environmental Toxicology 875: Current Research in Environmental Toxicology and Pathology--1 credit; course instructor; 35 students per semester; 1980-1985

Medical Technology 360: Medical Technology for Physicians Assistants; Faculty Coordinator for Hematology; present 4 lectures and 1 laboratory; 1985-1988

Medical Technology 402: Clinical Laboratory Practice--3 credits; supervised rotation in electron microscopy techniques; 1-2 students elected this 1-week rotation per year; 1978-1983

Medical Technology 411: Hematology Introductory Methods--2 credits; Faculty Coordinator for the course; present 1 lecture; 1985-present

Medical Technology 512: The Red Cell--3 credits; Faculty Coordinator for the course; present 2 lectures: Anemias-General Introduction, Immune Hemolytic Anemia; 1985-1988

Medical Technology 513: The White Cell--3 credits; Faculty Coordinator for the course; present 3 lectures: Morphology of Hematopoietic Cells (including ultra structure), Myeloproliferative Disorders, and Acute Leukemia; 1985-1988

Medical Technology 514: Hemostasis and Coagulation--2 credits; Faculty Coordinator for the course; 1985-1988

Trainer for Biocore students: [REDACTED], 1988; [REDACTED], 1989.

Trainer for Biology 152 students: [REDACTED] 2000

UW Health Outreach CME: Lectured on *Acute Leukemia* at Richland Center Hospital, 1997 and Portage-Divine Savior Hospital, 2001

#### PREDOCTORAL AND POSTDOCTORAL TRAININGS:

[REDACTED] Received Master of Science Degree 1979--Graduated from Georgetown University Medical School in 1982; became resident in Orthopedic Surgery at Case Western, Cleveland, OH.

[REDACTED] Received Doctor of Philosophy Degree, May 1982--Became toxicologist at Hazelton-Raltech, Madison, WI.

[REDACTED] Postdoctoral Fellow 1979-1980--Became Instructor, Department of Laboratory Medicine and Pathology, University of Minnesota.

[REDACTED] Postdoctoral Trainee, 1981-1982--Became Research Toxicologist, Health Effects Research Division, U.S. Army Medical Biotechnology Laboratory, Fort Detrick, MD.

[REDACTED] Postdoctoral Trainee, 1982-1983--Became Assistant Professor, Department of Chemistry, Georgia Institute of Technology, Alabama.

[REDACTED] Received Doctor of Philosophy Degree, 1991, Graduated from UW Medical School in 1995, finished Pathology residency at UW Hospital in 1999, currently is Hematology Fellow at UW Hospital

[REDACTED] Received Doctor of Philosophy Degree, 1990--Became Assistant Professor, Department of Pathology, University of Florida and then Associate Professor of Pathology, University of Louisiana

[REDACTED] Received Doctor of Philosophy Degree, 1991--Became Postdoctoral Fellow in Department of Surgery, University of Wisconsin and then Assistant Professor at Department of Medical Technology, University of South Alabama.

[REDACTED] Received Masters Degree in December 1994

[REDACTED] Postdoctoral Trainee and Resident, 1989-1990

RESEARCH SUPPORT:

- NIH Grant ES 1480 "Nephrotoxic Effects of Environmental Hydrocarbons" 1976-1980 (Co-Principal Investigator) Direct Award [REDACTED]
- NIH Grant CA 22140 "Carcinogenic Potential of Polychlorinated Biphenyls" 1977-1981 (Principal Investigator) Direct Award [REDACTED]
- University of Wisconsin Graduate School Grant [REDACTED]; project 180687 "Hepatocellular Metabolism and Biliary Excretion of Polychlorinated Biphenyl Isomers by the Rhesus Monkey" 7-1-77 to 6-30-78 (Principal Investigator) Direct Award [REDACTED]
- VA Research Advisory Group Grant. "Carcinogenic Action of Polychlorinated Biphenyls" 1978-1980 (Principal Investigator) Direct Award [REDACTED]
- University of Wisconsin Graduate School Grant [REDACTED] project [REDACTED] "Cell Culture Evaluation of the Toxicity and Carcinogenicity of Polychlorinated Biphenyls" 7-1-78 to 6-30-79 (Principal Investigator) [REDACTED]
- University of Wisconsin Graduate School Grant [REDACTED] project [REDACTED] "Nephrotoxic Effects of Environmental Hydrocarbons" Partial salary support for Res. Asst. 3-1-80 to 5-31-80 (Principal Investigator) [REDACTED]
- University of Wisconsin Medical School Grant [REDACTED] (from the Medical School Mutual Donor Pool) "Ultrastructural Identification of Transformed Cells from Cell Lines and Primary Cultures" Salary support for Res. Asst. 6-1-80 to 11-30-80 (Principal Investigator) [REDACTED]
- American Cancer Society Grant, administered through the McArdle Laboratory, "PCB-induced Transformation of [REDACTED] Cells 1980 (Principal Investigator) [REDACTED]
- VA Research Grant for purchase of electron microscope. 1980 (Principal Investigator) \$ [REDACTED]
- VA Merit Review "Carcinogenic Action of Polychlorinated Hydrocarbons" 1981-82 (Principal Investigator) Direct Award for 4 years [REDACTED]
- University of Wisconsin Graduate School Grant [REDACTED]; project [REDACTED] "Initiation/Promotion Activity of 2,4,5,2',4',5'-Hexachlorobiphenyl" 1982-1983 [REDACTED]
- American Cancer Society Grant, administered through the McArdle Laboratory, "Ultrastructural Characteristics of Lymphocyte Subgroups Using Monoclonal Antibodies Labeled with Colloidal Gold" (sponsor for David Peters, Graduate Student Investigator) 10-1-83 to 9-30-84 [REDACTED]
- Hazleton Raltech Grant 133-G523, "Electron Microscopy of Murine Tissue" 8-9-83 to 1985 [REDACTED]
- Technicon Grant 133-H961, "Evaluation of H-6000" 4-1-84 to 1985 [REDACTED]
- University of Wisconsin Graduate School Grant [REDACTED]; project [REDACTED] "Antigen Expression and Receptor Processing in Discrete Subpopulations of Activated T-Lymphocytes" 1986-87 (Returned all but [REDACTED] when alternate source of funding became available.) [REDACTED]
- University of Wisconsin Graduate School Grant 135-4451; project [REDACTED] "Antigen Expression and Receptor Processing in Discrete Subpopulations of Activated T-Lymphocytes" 1988-89 [REDACTED]

NATIONAL COMMITTEES:

Food and Drug Administration: Hematology and Pathology Devices Panel and Consultant or Voting Member, 1985-present  
Veterans Administration Advisory Committee on Health-Related Effects of Herbicides (December, 1979)

UNIVERSITY COMMITTEES:

Pathology and Laboratory Medicine Committees  
Electron Microscopy Committee, 1974-1985  
House Staff Committee, Chairman, 1976-1978; member 1983-1990; and 1997-2006  
Autopsy Educational Committee, 1977  
Graduate Education Committee, Chairman 1983-1988; member 1980-1994  
Educational Resources Committee, Chairman 1998  
Committee to Draft the Faculty Educational Workload Policy; chairman 1994  
Committee to Draft the Post-Tenure Review Committee; chairman 1994-1995  
Committee to Draft UPP Incentive Plan; member 1994-1995  
Neuropathologist Search Committee; member 1994

Medical School Committees

Admissions Committee; 1998-2001  
Continuing Medical Education Committee, 1988-1995  
Postgraduate Advisory Committee, 1979-1982  
First and Second Year Course Directors 2004-present

HOSPITAL OR CLINICAL LABORATORY COMMITTEES:

Laboratory Testing Oversight Committee 2012-Present  
Integrated Hematology Service Team 2012-present  
Point-of-Care Service Team 2012-present  
Pathology House Staff Committee 2003-2006  
Medical Board, alternate 1984-1988  
Medical Records Committee, Pathology representative 2000-present  
Physician Subcommittee of Medical Records Committee 2002  
Joint Ambulatory Care Council 1997-1998  
Quality Assurance Committee for Hematopathology, Clinical Laboratories, 1994-2005  
Quality Assurance Committee for Flow Cytometry, Clinical Laboratories, 1994-2005  
Utilization Steering Team 1996-1999  
Utilization Practice Committee, 1996-1999  
Outside Testing Review Committee, 1996-1999  
Committee to Review and Recommend Use of Cytogenetic Testing, Chair, 1997-2000  
Pre-approved Orders Review Committee, Chair, 1998-1999  
Administrative Quality Review Committee, 1999-2002

DEPARTMENT REPRESENTATIVE TO UNIVERSITY SENATE, 1976-1977 and 1981-1993,  
alternate 1983-1993 and 2001-present

ADMINISTRATIVE RESPONSIBILITIES

UWMC Core Hematology Laboratory Medical Director 2012-present  
UWMC and University Station CLIA Director for Point of Care Testing 2012-  
Clinical Hematology Laboratory Director, Clinical Laboratories, University  
Hospital and Clinics, University of Wisconsin, Madison, WI, 1982-1990  
Associate Medical Director and Acting Director (in absence of director),  
Clinical Laboratories, 1982-1988  
Diagnostic Electron Microscopy Chief, Laboratory Service, Wm. S. Middleton  
Memorial Veterans' Hospital, Madison, WI, 1977-1982  
Hematopathology Fellowship Educational Director, 1999  
Pathology Graduate Program Director, 1983-1988  
Pathology Residency Program Director, 1976-1978  
Executive Committee, Environmental Toxicology Center, 1981-1986  
Associate Program Director for Pathology of the Training Grant in  
Environmental Pathology (part of the Center for Environmental  
Toxicology Training Grant -- Budget of \$1,187,028 over 5 years), 1980-  
1985

OTHER UNIVERSITY SERVICE:

Directing Board, Lutheran Campus Ministry (a UW student organization),  
Member, 1990-1996 Chair, 1994-1996  
Luther Memorial Campus Ministry Committee, Chair, 1996-2000  
Luther Memorial & Lutheran Campus Center student service 1990-present  
Mentor Program faculty mentor for minority student, 1990-1994  
Mentor for women medical students, 1997-1999

PUBLICATIONS:

Papers Published in Refereed Journals

1. Norback D.H. and Allen, J.R.: Morphogenesis of toxic fat-induced concentric membrane arrays in rat hepatocytes. *Laboratory Investigation*, 20: 338-346, 1969.
2. Allen, J.R., Carstens, L.A., Norback, D.H., and Loh, P.M.: Ultrastructural and biochemical changes associated with pyrrolizidine-induced hepatic megalocytosis. *Cancer Research*, 30: 1857-1866, 1970.
3. Allen, J.R., Carstens, L.A., and Norback, D.H.: Ultrastructural and biochemical changes in the liver of monochloroamine intoxicated chickens. *Toxicology and Applied Pharmacology*, 16: 800-806, 1970.
4. Norback D.H. and Allen, J.R.: Chlorinated triphenyl-induced extensions of the hepatic endoplasmic reticulum. *Proceedings of the Society for Experimental Biology and Medicine*, 139: 1127-1131, 1972.
5. Norback, D.H. and Allen, J.R.: Chlorinated aromatic hydrocarbon induced modifications of the hepatic endoplasmic reticulum concentric membrane arrays. *Environmental Health Perspectives*, 1: 137-143, 1972.

6. Allen, J. R. and Norback, D. H.: Polychlorinated biphenyl- and triphenyl- induced gastric mucosal hyperplasia in primates. *Science*, 179: 498- 499, 1973.
7. Allen, J. R., Abrahamson, L. J., and Norback, D. H.: Biological effects of polychlorinated biphenyls and triphenyls on the subhuman primate. *Environmental Research*, 6: 344- 354, 1973.
8. Norback, D. H. and Allen, J. R.: Biological responses of the nonhuman primate, chicken and rat to chlorinated dibenzo-p-dioxin ingestion. *Environmental Health Perspectives*, 5: 233- 240, 1973.
9. Allen, J. R., Norback, D. H., and Hsu, I. C.: Tissue modifications in monkeys as related to absorption, distribution and excretion of polychlorinated biphenyls. *Archives of Environmental Contamination and Toxicology*, 2: 86- 95, 1974.
10. Norback, D. H., Engblom J. F. and Allen, J. R.: Tissue distribution and excretion of octachlorodibenzo-p-dioxin in the rat. *Toxicology and Applied Pharmacology*, 32: 330- 338, 1975.
11. Allen, J. R., Van Miller, J. P., and Norback, D. H.: Tissue distribution excretion and biological effects of <sup>14</sup>C-tetrachloro-dibenzo-p-dioxin in rats. *Food and Cosmetics Toxicology*, 13: 501- 505, 1975. 12. Norback, D. H., Seymour, J. L., Kneriemer, K. M., Peterson, R. E., and Allen, J. R.: Biliary metabolites of 2, 5, 2', 5'-tetrachlorobiphenyl in the rat. *Research Communications in Chemical Pathology and Pharmacology*, 14: 527- 533, 1976.
12. Bairstow, F., Hsia, M.T., Norback, D. H., and Allen, J. R.: Toxicity of Firemaster FF- 1 and 2, 2', 4, 4', 5, 5'-hexabromobiphenyl in cultures of C<sub>3</sub>H/10 T<sub>1/2</sub> mammalian fibroblasts. *Environmental Health Perspectives*, 23: 321- 327, 1978.
13. Venkatesh, N., Polyn, R. E., and Norback, D. H.: Metastatic calcification: The role of bone scanning. *Radiology*, 129: 755- 758, 1978.
14. Johnson, S. C., Cripps, D. J., and Norback, D. H.: Actinic reticuloid: A clinical, pathological and action spectrum study. *Archives of Dermatology*, 115: 1078- 1083, 1979.
15. Zimmerman, S. W. and Norback, D. H.: Nephrotoxic effects of long-term carbon tetrachloride administration in rats. *Archives of Pathology and Laboratory Medicine*, 104: 94- 99, 1980.
16. Blum, J. F., III, Johnson, S. C., and Norback, D. H.: Bullous amyloidosis: Case report with ultrastructural studies. *Archives of Dermatology*, 116: 1164- 1168, 1980.
17. Starling, J. R., Clifton, K. H., and Norback, D. H.: Enzymatic and ultrastructural study of lysosomes in rats bearing radiation-induced thyroid follicular carcinoma. *Journal of Surgical Oncology*, 16: 15- 25, 1981.
18. Almagro, U. A., Schulte, W. J., Norback, D. H., and Turcotte, J. K.: Gnomus tumor of the stomach: histologic and ultrastructural features. *American Journal of Clinical Pathology*, 75: 415- 419, 1981.

19. Angevine, D.M., Norback, D.H., and Dortzbach, R.K.: Virus in papilloma. *Journal of the American Medical Association*, 246: 1087- 1088, 1981.
20. Norback, D.H., Mack, E., Reddy, G., Britt, J., and Hsia, M.T.: Metabolism and biliary excretion of 2,4,5,2',4',5'-hexachlorobiphenyl in the rhesus monkey (*Macaca mulatta*). *Research Communications in Chemical Pathology and Pharmacology*, 32: 71- 85, 1981.
21. Arenberg, I.K., Rauchbach, E., and Norback, D.H.: The normal and experimentally hydroptic endolymphatic sac in lemon sharks-- A scanning electron microscopic study. *American Journal of Otology*, 2: 230- 234, 1981.
22. Arenberg, I.K., Murray, J.P., Schenck, N.L., and Norback, D.H.: Experimental endolymphatic hydrops in sharks. I. Histologic studies. *American Journal of Otology*, 3: 81- 95, 1981.
23. Starling, J.R., Weese, J.L., and Norback, D.H.: Pulmonary alveolar macrophage lysosomal enzyme activity after sublethal rotational trauma. *Journal of Surgical Research*, 31: 128- 135, 1981.
24. Almagro, U.A., Choi, H., Caya, J.G., and Norback, D.H.: Cutaneous malakoplakia. Report of a case and review of the literature. *American Journal of Dermatopathology*, 3: 295- 301, 1981.
25. Arenberg, I.K. and Norback, D.H.: Ultrastructural pathology of endolymphatic sac biopsy specimens correlated with the clinical stage in Menieres disease. *Revue de Laryngologie*, 102: 237- 238, 1981.

26. Bundtzen, J. L. and Norback, D. H.: The ultrastructure of poorly differentiated rhabdomyosarcomas: a case report and literature review. *Human Pathology*, 13: 301-313, 1982.
27. Arenberg, I. K., Norback, D. H., and Shambaugh, G. E. Jr.: Ultrastructural Analysis of Endolymphatic Sac Biopsies. *Archives of Otolaryngology*, 108: 292-298, 1982.
28. Choi, H., Almagro, U. A., McManus, J. T., Norback, D. H., and Jacobs, S. C.: Renal oncocytoma: a clinicopathologic study. *Cancer*, 51: 1887-1896, 1983.
29. Zimmerman, S. W. and Norback, D. H.: Carbon tetrachloride nephrotoxicity in rats with reduced renal mass. *Archives of Pathology and Laboratory Medicine*, 107: 264-269, 1983.
30. Reznikoff, C. A., Gilchrist, K. W., Norback, D. H., Cummings, K. B., Erturk, E., and Bryan, G. T.: Altered growth patterns in vitro of human papillary transitional carcinoma cells. *American Journal of Pathology*, 111: 263-272, 1983.
31. Reznikoff, C. A., Johnson, M. D., Norback, D. H., and Bryan, G. T.: Growth and characterization of normal human urothelium in vitro. *In Vitro*, 19: 326-343, 1983.
32. Norback, D. H. and Weltman, R. H.: Polychlorinated biphenyl induction of hepatocellular carcinoma in the Sprague-Dawley rat. *Environmental Health Perspectives*, 60: 97-105, 1985.
33. Arenberg, I. K., Norback, D. H., and Shambaugh, G. E., Jr.: Distribution and density of subepithelial collagen in the endolymphatic sac in patients with Meniere's disease. *The American Journal of Otolaryngology*, 6: 449-454, 1985.
34. MacKinney, A. A., Jr., Knobloch, L., and Norback, D.: The effect of diphenylhydantoin and cortisol on the cell cycle. *Proceedings of the Society for Experimental Biology and Medicine*, 188: 173-176, 1988.
35. Baker, B. L., Hendricks, J. B., Shahidi, N. T., Woodson, R. D., Schultz, J. C., and Norback, D. H.: Humoral and cellular immunosuppression of granulopoiesis in a patient with neutropenia. *The American Journal of Medicine*, 85: 264-268, 1988. 26. Bridges, A. J., Norback, D., Fisch, P., England, D., and Sondel, P.: T helper-cell leukemia/lymphoma: presentation as an acute immune-mediated illness. *Journal of Clinical Immunology*, 10: 61-70, 1990.
36. Peters, D. K. and Norback, D. H.: Binding and internalization of biotinylated interleukin 2 in human lymphocytes. *Blood*, 76: 97-104, 1990.
37. Nikić, E. P. and Norback, D. H.: Argrophilic nucleolar organizer region (AgNOR) staining in normal bone marrow cells. *Journal of Clinical Pathology*, 43: 723-727, 1990.
38. Nikić, E. P. and Norback, D. H.: The use of a colloidal silver (AgNOR) method in assessing bone marrow iron stores and sideroblasts. *Modern Pathology*, 4: 363-367, 1991.

39. Schiller, J.H., Bittner, G., Meisner, L.F., Oberley, T.D., Norback, D., Schwabe, M., Faltynek, C.R., and Raab-Traub, N.: Establishment and characterization of an Epstein-Barr virus spontaneously transformed lymphocytic cell line derived from a hairy cell leukemia patient. *Leukemia*, 5: 399-407, 1991.
40. Nikicić, E.P. and Norback, D.H.: Spectrum of argyrophilic nucleolar organizer region (AgNOR) staining patterns in chronic and transformed B-cell leukemias. *Archives of Pathology and Laboratory Medicine* 116: 265-268, 1992.
41. Wellik, D.M., Norback, D.H., DeLuca, H.F.: Retinol is specifically required during midgestation for neonatal survival. *American Journal of Physiology*, 272 (Endocrinology and Metabolism 35): E25-E29, 1997.
42. Norback, D.H. Lymphocyte-predominant Hodgkin's Disease: A case study illustrating diagnostic value of immunohistochemistry. *Journal of Histotechnology*, 24: 245-249, 2001.
43. Kobbervig, C., Norback, D., Kahl, B.: Infectious Mononucleosis Progressing to Fatal Malignant Lymphoma: A Case Report and Review of the Literature. *Leukemia and Lymphoma*, 44: 1215-1221, 2003.

Publications Within Books of Refereed Papers

44. Allen, J.R., Carstens, L.A., and Norback, D.H.: Biological effects of the polychlorinated biphenyls in nonhuman primates. *Proceedings of the International Symposium on Recent Advances in the Assessment of the Health Effects of Environmental Pollution*, 1: 385-397, 1974.
45. Allen, J.R. and Norback, D.H.: Pathobiological responses of primates to polychlorinated biphenyl exposure. *Proceedings of the National Conference on Polychlorinated Biphenyls*. EPA-560/6-75-004, p. 43-49, 1976.
46. Allen, J.R. and Norback, D.H.: Carcinogenic potential of the polychlorinated biphenyls. *Cold Spring Harbor Conference on Cell Proliferation*, Vol. 4, Book A, Incidence of Cancer in Humans (H.H. Hiatt, J.D. Watson, and J.A. Winsten, eds.), p. 173-186, 1977. 27. Norback, D.H., Cihla, H.P., and Reddy, G.: In vitro measurement of polychlorinated biphenyl toxicity. *In Toxicology of Halogenated Hydrocarbons: Health and Ecological Effects* (M.A.Q. Khan and R.H. Stanton, eds.), Pergamon Press, New York, pp. 173-186, 1981.
47. Hendricks, J.B., Schultz, J.C., Norback, D.H., and Shahidi, N.T.: The effect of cyclosporine on T-cell proliferation and erythropoiesis in vitro. *In Regulation of Erythropoiesis* (E. Zanjani, M. Tavassoli, and J.L. Ascensao, eds.), PMA Publishing Corp., Great Neck, NY, pp. 511-517, 1989.

LETTERS:

1. Baker, B. L., Woodson, R. D., Shahidi, N. T., Schultz, J. C., Hendricks, J. B., and Norback, D. H.: Cyclosporin A in adult onset neutropenia. *British Journal of Haematology* 70: 255, 1988.
2. Baker, B. L., Woodson, R. D., Shahidi, N. T., Schultz, J. C., Hendricks, J. B., and Norback, D. H.: Cyclosporin A in adult onset neutropenia. *British Journal of Haematology* 71: 301, 1989.
3. Nikicić, E. P. and Norback, D. H.: Argrophilic nucleolar organizer region (AgNOR) staining in normal bone marrow cells. *Journal of Clinical Pathology* 44: 526, 1991.

PRESENTATIONS ON EDUCATION AT NATIONAL MEETINGS:

1. Norback, D. H.: Student use of microscopes with digital interfaces in medical education. Presentation to Meeting of Hematology Medical School Course Directors, American Society of Hematology; Atlanta, Georgia; December 11, 2005.