

BIOGRAPHICAL (updated 2013)

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EDUCATION AND TRAINING

Undergraduate

19581962 University of Massachusetts B.S. 1962 Food Science
Amherst, Massachusetts

Graduate

19621964 Massachusetts Institute of M.S. Nutrition and
Technology 1964 Food Science
Cambridge, Massachusetts

19641967 University of California Ph.D. Biochemistry
Davis, California 1968

APPOINTMENTS AND POSITIONS

Academic

19671969 Department of Physiological Chemistry
Postdoctoral School of Medicine, Johns Hopkins University, Baltimore, MD Fellow Biochemistry
19691970 Department of Physiological Chemistry Lecturer
School of Medicine, Johns Hopkins University, Baltimore, MD

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| 1970-1971 | Department of Biochemistry School of Medicine, University of Louisville, Louisville, KY | Assistant Professor |
| 1971-1975 | Department of Biochemistry School of Medicine, University of Pittsburgh, Pittsburgh, PA | Assistant Professor |
| 1975-1986 | Department of Biochemistry School of Medicine, University of Pittsburgh, Pittsburgh, PA | Associate Professor |
| 1977-1978 | Sabbatical I, Department of Biochemistry University of Benin Teaching Hospital University of Benin, Benin City, Nigeria, West Africa | Visiting Associate Professor |
| 1989, Sabbatical II | Department of Pathology Usmanu Danfodio College of Medicine University of Sokoto Sokoto, Nigeria West Africa | Visiting Professor and Chairman |
| 1986-1990 | Department of Microbiology, Biochemistry, and Molecular Biology School of Medicine University of Pittsburgh Pittsburgh, PA | Professor |
| 1990-1997 | Department of Biochemistry, School of Medicine University of New Mexico Albuquerque, NM | Chairman and Professor |
| 1997-present | Department of Biochemistry and Molecular Biology School of Medicine University of New Mexico Albuquerque, NM | Professor |
| 1993-present faculty | Department of Surgery School of Medicine | Adjunct |

- 1979-1980 American Medical Student Association Golden Apple Award for Excellence in Teaching PreClinical Sciences, University of Pittsburgh
- 1980-1981 American Medical Student Association Golden Apple Award for Excellence in Teaching PreClinical Sciences, University of Pittsburgh
- 1982-1986 National Institute of Health, Pathobiological Chemistry II Study Section Member
- 1988 Achievement Award from the Children's Council of Western Pennsylvania, for volunteer work regarding child health and welfare
- 1989 American Medical Student Association Golden Apple Award for Excellence in Teaching Pre-Clinical Sciences, University of Pittsburgh
- 1991-1992 Hippo Award for Excellence in Teaching, UNM School of Medicine
- 1991-1992 Primary Care Curriculum Recognition for Contributions to Medical Education
- 1992 Task Force of the United States Medical Licensing Examination (USMLE) Board
- 1992 National Institutes of Health 1992 Minority High School Student Research Apprenticeship Program
- 1993-1997 Board of Directors, Biomedical Research Institute of New Mexico
- 1992-1997 Member of the Advisory Council of the Fogarty International Center, National Institutes of Health
- 1993-present Member of USMLE (United States Medical Licensing Examination) Step 1 Test Material Development Committee for Biochemistry. 2005, Chair of the Step 1 Composite Exam Committee.
- 1993-1994 An Apple for the Teacher Award for Assistance in the Education and Training of Medical Students
- 1996-1999 Chair of National Board of Medical Examiners Biochemistry Test Committee
- 1996 UNM-School of Medicine Khatali Award from the Class of 1996 for Contributions to Medical Education by a Basic Scientist
- 1997 First Prize for Outstanding Teacher in the UNM-SOM Biomedical Sciences Graduate Program

- 1997–1998 Dean’s Award for Distinction, University of New Mexico, in Recognition for Outstanding Faculty Performance
- 1998 Hippo Award for Best Lecturer in the Basic Sciences
- 1998 The UNM International Excellence Award
- 1999 Appointed Regional Associate Editor of the Journal of Tropical Pediatrics
- 1999–present Member–at–large, USMLE/National Board of Medical Examiners
- 1999–2000 Dean’s Award for Distinction, in Recognition for Outstanding Faculty Performance
- 2001 Recipient of the Brindley Distinguished Visiting Professorship in Pathology at the University of Texas Health Sciences Center at Galveston
- 2004–present Member of the Editorial Board of Nutrition Research and The Highlands Journal of Medicine
- 2005–present Member of the Editorial Board of Biochemistry and Molecular Biology Education
- 2006–2007 Recipient of Fulbright Scholar Award for Sub–Saharan Africa
- 2007 Recipient of the 2007 Edith J. Levit Distinguished Service Award from the National Board of Medical Examiners
- 2008 Hippo Award from the UNM–SOM Class of 2010 for contributions to medical education
- 2011 Recipient of the Class of 2011 Khatali Award for Excellence in Teaching in the Basic Sciences at the University of New Mexico School of Medicine

PUBLICATIONS

Refereed Articles

1. Glew, R.H., and Heath, E.C., "Studies on the Extracellular Alkaline Phosphatase of Micrococcus sodonensis. I. Isolation and Characterization," J. Biol. Chem., 246, 1556 (1971).

2. Glew, R.H., and Heath, E.C., "Studies on the Extracellular Alkaline Phosphatase of Micrococcus sodonensis. II. Factors Affecting Secretion," J. Biol. Chem., 246, 1566 (1971).
3. Glew, R.H., Kayman, S.C., and Kuhlenschmidt, M.S., "Studies on the binding of Concanavalin A to Rat Liver Mitochondria," J. Biol. Chem., 248, 3137 (1973).
4. Glew, R.H., and Lee, R.E., "Composition of the Membranous Deposits Occuring in Gaucher's Disease," Arch. Biochem. Biophys., 156, 626 (1973).
5. Glew, R.H., Zatzkin, J., and Kayman, S.C., "A Comparative Study of the Interaction Between Concanavalin A and Mitochondria from Normal and Malignant Cells," Cancer Research, 33, 2135 (1973).
6. Ihler, G.M., Glew, R.H., and Schnure, F.W., "Enzyme Loading of Red Blood Cells," Proc. Natl. Acad. Sci., USA, 70, 2663 (1973).
7. Lee, R.E., Worthington, C.R., and Glew, R.H., "The Bilayer Nature of Deposits Occurring in Gaucher's Disease," Arch. Biochem. Biophys., 159, 259 (1973).
8. Doyle, R.J., Nicholson, S.K., Gray, R.D., and Glew, R.H., "LigandInduced Conformational Changes in Concanavalin A," Carbohydrate Research," 29, 265 (1973).
9. Gray, R.D. and Glew, R.H., "The Kinetics of Carbohydrate Binding to Concanavalin A," J. Biol. Chem., 248, 7547 (1973).
10. Glew, R.H., Christopher, A.R., and Lee, R.E., "The Occurrence of β Glucocerebrosidase Activity in the GlucocerebrosideRich Deposits of Gaucher's Disease," Arch. Biochem. Biophys., 160, 162 (1974).
11. Kuhlenschmidt, M.S., Yunis, E., Iammarino, R.I., Turco, S.J., Peters, S.P., and Glew, R.H., "Demonstration of Sialyltransferase Deficiency in the Serum of a Patient with Alpha1Antitrypsin Deficiency and Liver Cirrhosis," Lab. Invest., 31, 413 (1974).
12. Murphy, J.V., Craig, L., and Glew, R.H., "(Leigh's Disease)Properties of a Urinary Inhibition of Brain Thiamine PyrophosphateAdenosine Triphosphate Phosphotransferase," Arch. Neurol. 31, 220 (1974).
13. Whitaker, T.R., Sartiano, G.P., Hemelly, L.J., Scott, W.L., and Glew, R.H., "Hypotonic ExchangeLoading of Human Erythrocytes with ⁵⁹FeLabeled Rabbit Hemoglobin," J. Lab. Clin. Med., 84, 879 (1974).

14. Kuhlenschmidt, M.S., Coffee, C.J., Peters, S.P., and Glew, R.H. "Serum Sialyltransferase Activity in Alpha1Antitrypsin Deficiency and Hepatic Cirrhosis," in *Proteases and Biological Control*, Cold Spring Harbor Conferences on Cell Proliferation, vol. 2, (Reich, E., Rifkin, D.B., and Shaw, E., eds.), Cold Spring Harbor Laboratory 415428 (1975).
15. Peters, S.P., Lee, R.E., and Glew, R.H., "A Microassay for Gaucher's Disease," *Clin. Chim. Acta*, 60, 391 (1975).
16. Ihler, G., Lantzy, A., Purpura, J., and Glew, R.H., "Enzymatic Degradation of Uric Acid by UricaseLoaded Human Red Blood Cells," *J. Clin. Invest.*, 56, 595602 (1975).
17. Glew, R.H., Peters, S.P., and Christopher, A.R., "Isolation and Characterization of Soluble Rat Kidney β Glucosidase," *Biochim. Biophys. Acta*, 422, 179 (1976).
18. Yunis, E.J., Agostini, R.M., and Glew, R.H., "Fine Structural Observations of the Liver in Alpha1Antitrypsin Deficiency," *Am. J. Pathol.*, 82, 265286 (1976).
19. Doyle, R.J., Thomasson, D.L., Gray, R.E., and Glew, R.H., "Spectral Changes Accompanying the Interaction Between Metal Ligands and Concanavalin A," *Fed. Europ. Biochem. Soc.*, 52, 185187 (1975).
20. Miller, R.R., Peters, S.P., Kuhlenschmidt, M.S., and Glew, R.H., "The Use of IonExchange Resins in the Application of Protein Samples to Gel Filtration Columns," *Anal. Biochem.*, 72, 4548 (1976).
21. Kuhlenschmidt, M.S., Peters, S.P., Pinkard, O.D., Glew, R.H., and Sharp, H., "Cytidine5'MonophosphateNAcetylneuraminic Acid: Asialoglycoprotein Sialic Acid Transferase in Liver and Serum of Patients with Juvenile Hepatic Cirrhosis and Alpha1Antitrypsin Deficiency," *Biochim. Biophys. Acta*, 429, 359373 (1976).
22. Peters, S.P., Coyle, P., and Glew, R.H., "Differentiation of β Glucocerebrosidase from β Glucosidase in Human Tissues Using Sodium Taurocholate," *Arch. Biochem. Biophys.*, 175, 569582 (1976).
23. Miller, R.R., Kuhlenschmidt, M.S., Coffee, C.J., Kuo, I., and Glew, R.H., "Comparison of the Chemical, Physical and Survival Properties of Normal and ZVariant Alpha1Antitrypsins," *J. Biol. Chem.*, 251, 47514757 (1976).
24. DeLoach, J., Peters, S.P., Pinkard, O., Glew, R.H., and Ihler, G.M., "The Effect of Glutaraldehyde on EnzymeLoaded Erythrocytes," *Biochim. Biophys. Acta*, 496, 507515 (1977).

25. Peters, S.P., Coyle, P., Coffee, C., Glew, R.H., Kuhlenschmidt, M.S., Rosenfeld, L., and Lee, Y.C., "Purification and Characterization of a Heat Stable Glucocerebrosidase Activating Factor from Control and Gaucher Spleen," *J. Biol. Chem.*, 252, 563573 (1977).
26. Mercer, D.W., Peters, S.P., Glew, R.H., Lee, R.E., and Wenger, D.A., "Acid Phosphatase Isoenzymes in Gaucher's Disease," *Clin. Chem.*, 23, 631635 (1977).
27. Peters, S.P., Coffee, C.J., Glew, R.H., Lee, R.E., Wenger, D.A., Li, S.C., and Li, Y.T., "Isolation of Heat-stable Glucocerebrosidase Activators from the Spleens of Three Variants of Gaucher's Disease," *Arch. Biochem. Biophys.*, 183, 290297 (1977).
28. Ang, E., Glew, R.H., and Ihler, G.M., "Enzyme Loading of Nucleated Chicken Erythrocytes," *Expl. Cell Res.* 104, 430434 (1977).
29. Moffitt, K.D., Chambers, J.P., Diven, W., Glew, R.H., Wenger, D.A., and Farrell, D.A., "Serum and Tissue Acid Lysosomal Hydrolases in Gaucher's Disease," *Arch. Biochem. Biophys.*, 190, 247260 (1978).
30. Chambers, J.P., Aquino, L., Glew, R.H., Lee, R.E., and McCafferty, L. "Determination of Serum Acid Phosphatase in Gaucher's Disease Using 4Methylumbelliferylphosphate," *Clin. Chim. Acta* 80, 6777 (1977).
31. Roll, D., Aquanno, J., Coffee, C., Iammarino, R., and Glew, R.H. "Comparison of the Carbohydrate and Amino Acid Composition of Normal and SVariant Alpha1Antitrypsins," *Biochem. Biophys. Acta*, 532, 171178, (1978).
32. Chiao, Y.B., Chambers, J.P., Glew, R.H., Lee, R.E., and Wenger, D.A., "Subcellular Localization of the Heatstable Glucocerebrosidase Activator Substance in Gaucher Spleen," *Arch. Biochem. Biophys.*, 186, 4251 (1978)
33. Chiao, Y.B., Hoyson, G.M., Peters, S.P., Lee, R.E., Diven, W., Murphy, J.V., and Glew, R.H., "Multiple Glycosidase Deficiencies in a Case of Juvenile (type 3) Gaucher's Disease," *Proc. Natl. Acad. Sci. USA*, 75, 24482452 (1978).
34. Chambers, J.P., Peters, S.P., Glew, R.H., Lee, R.E., McCafferty, L., Mercer, D., and Wenger, D.A., "Multiple Forms of Acid Phosphatase in Gaucher's Disease," *Metabolism*, 27, 801814 (1978).
35. Roll, D.E., Aguanno, J.J., Coffee, C.J., and Glew, R.H., "Isolation and Characterization of the Cyanogen Bromide Glycopeptide Fragments

- of Alpha 1Antitrypsin," J. Biol. Chem., 253, 69926996 (1978).
36. Aguanno, J.J., Roll, D.E., and Glew, R.H., "Studies on the Attachment of NAcetylneuraminic Acid to Glycopeptides from Alpha1Antitrypsin," J. Biol. Chem., 253, 69977004 (1978).
37. Neil, J.F., Glew, R.H., and Peters, S.P., "Familial Psychosis and Diverse Neurologic Abnormalities in AdultOnset (Type 1) Gaucher's Disease," Arch. Neurol. 36, 9599 (1979).
38. Forster, J., Chambers, J.P., Peters, S.P., Lee, R.E., and Glew, R.H., "Acute Neuropathic Gaucher's Disease in a Black Infant," J. Pedia. 93, 823824 (1978).
39. Chiao, Y.B., Moffitt, K., Smallwood, Y., and Glew, R.H., "Glyconamides as Inhibitors of Human β Glucosidases and β Galactosidases," Arch. Biochem. Biophys., 192,19 (1979).
40. Chiao, Y.B., Peters, S.P., Diven, W.F., Lee, R.E., and Glew, R.H., "Demonstration of a Deficiency of β Xylosidase Activity in Various Forms of Gaucher's Disease," Metabolism 28, 5662 (1979).
41. Omene, J.A., Adamson, I., Okolo, A.A., and Glew, R.H., "Changes in Serum Lysosomal Hydrolases in Marasmus," Clin. Chim. Acta, 91, 213219 (1979).
42. Adamson, I., Omene, J.A., and Glew, R.H., "Tissue Lysosomal Hydrolases in Starvation," Nigerian J. Med. Sci., 1, 1522 (1979).
43. Omene, J.A., Glew, R.H., and Ihongbe, J.C., "Trypsin Inhibitory Capacity in Umbilical Cord Serum in Nigerian Newborn Babies," East African Med. J. 56, 203208 (1979).
44. Ebong, B.E. and Glew, R.H., "Demonstration of Multiple Forms of Acid Phosphatase in Hemolymph of the African Snail, Archachatina marginata," Comp. Biochem. 63B, 315322 (1979).
45. Glew, R.H. and Doyle, R.J., "Saccharide Ligand Protection of Sodium Dodecyl SulfateInduced Aggregation of Concanavalin A," Carbohydrate Res., 73, 219226 (1979).
46. Omene, J.A., Glew, R.H., and Ihongbe, J.C. "Serum Trypsin Inhibitory Capacity in ProteinCalorie Malnourished Children in Benin City, Nigeria," East African Med. J. 56, 263265 (1979).
47. Neil, J.F., Merikangas, J.R., and Glew, R.H., "EEG Findings in Adult Neuronopathic

- Gaucher's Disease," Clin. EEG 10, 198205 (1979).
48. Peters, S.P., Aquino, L.A., Naccarato, W.R., Gilbertson, J.R., Diven, W.F., and Glew, R.H., "Comparison of Rates of Hydrolysis of NOleoyl and NStearoyl Glucocerebroside in Patients with Gaucher's Disease," Biochim. Biophys. Acta 575, 2736 (1979).
49. Robinson, D.B. and Glew, R.H., "Acid Phosphatase in Gaucher's Disease," Clin. Chem. 26, 371382 (1980).
50. Robinson, D.B. and Glew, R.H., "A TartrateResistant Acid Phosphatase in Gaucher Spleen Isolation and Characterization," J. Biol. Chem. 255, 58645870 (1980).
51. Chiao, Y.B., Glew, R.H., Diven, W.F., and Lee, R.E., "Comparison of Various BetaGlucosidase Assays Used to Diagnose Gaucher's Disease," Clin. Chim. Acta 105, 4150 (1980).
52. Robinson, D.B. and Glew, R.H., "Isolation and Characterization of a TartrateSensitive Splenic Acid Phosphatase in Gaucher's Disease," Arch. Biochem. Biophys., 205, 156168 (1980).
53. Daniels, L.B., Glew, R.H., Radin, N.S., and Vunnam, R.R., "A Revised Fluorometric Assay for Gaucher's Disease Using Conduritol BEpoxyde with Liver as the Source of β Glucosidase," Clin. Chim. Acta, 106, 155163 (1980).
54. Lee, R.E., Robinson, D.B., and Glew, R.H., "Gaucher's Disease I: Modern Enzymatic and Anatomic Methods of Diagnosis," Arch. Path. Lab. Med., 105, 102104 (1981).
55. Diven, Warren F., Glew, R.H., and Bluestone, C.D., "Lysosomal Hydrolases in Middle Ear Effusions," Ann. Otol. Rhinol. Laryngol, 90, 148153 (1981).
56. Diven, W.F., Glew, R.H., Omene, J., and Ihongbe, J., "Lysosomal Hydrolases in Cerebrospinal Fluid in Bacterial Meningitis," Europ. J. Pediat., 136, 912 (1981).
57. Holzman, I.R., Omene, J.A., Glew, R.H., "Umbilical Cord Serum Ceruloplasmin and the Occurrence of Hyaline Membrane Disease," J. Pediat., 99, 136138 (1981).
58. Robinson, D.B. and Glew, R.H. "Substrate Specificity of Gaucher Spleen Phosphoprotein Phosphatase," Arch. Biochem. Biophys., 210, 186199 (1981).

59. Glew, R.H., J.L. Zidian, J.P. Chiao, and T. Kuhlenschmidt, "Isolation and Characterization of an α 1AntitrypsinRelated Glycoprotein From Human Liver", *Electrophoresis '81: International Conference of the Electrophoresis Society*, April 7-10, 1981.
60. Daniels, L.B., Glew, R.H., Diven, W.F., Lee, R.E. and Radin, N.S., "An Improved Fluorometric Leukocyte β Glucosidase Assay for Gaucher's Disease," *Clin. Chim. Acta*, 115, 369-375 (1981).
61. Glew, R.H., Balis, J.U., Shelley, S., Kuhlenschmidt, T. and Jaffe, R., "Isolation, Characterization and Localization of a 45,000 Molecular Weight Soluble Glycoprotein from the Lung in Pulmonary Alveolar Proteinosis," *Biochim. Biophys. Acta*, 670, 101-109 (1981).
62. Daniels, L.B., Coyle, P.J., Chiao, Y.B., Glew, R.H. and Labow, R.S., "Purification and Characterization of a Cytosolic Broad Specificity β Glucosidase from Human Liver," *J. Biol. Chem.*, 256, 13004-13013 (1981).
63. Roll, D.E. and Glew, R.H., "Isolation and Characterization of Rat α 1Antitrypsin," *J. Biol. Chem.* 256, 8190-8196 (1981).
64. Robinson, D.B., Diven, W.F. and Glew, R.H., "Altered α Mannosidase Isoenzymes in the Liver in Hepatic Cirrhosis," *Enzyme*, 27, 99-107 (1982).
65. Glew, R.H., Diven, W.F., Zidian, J.L., Rankin, B.B., Czuczman, M. and Axelrod, A.E. "Metabolism of Lysosomal Enzymes in the Protein Deficient Weanling Rat," *Am. J. Clin. Nutri*, 35, 236-249 (1982).
66. Johnson, A.O., Glew, R.H., and Williams, A.O., "Gaucher's Disease: a Clinical, Morphological and Biochemical Study of a Nigerian Family," *African J. Med. Sci.*, 9, 273-6 (1982).
67. Robinson, D.B., Baig, H.A., Omene, J., Brock, W., Chambers, J.P., and Glew, R.H., "Determination of Serum acid and Alkaline Phosphatase," *East African Med. J.* (1983).
68. Longe, A.C., Glew, R.H., and Omene, J.A, "Wilson's Disease" Report of a Case in a Nigerian," *Arch. Neurol.*, 39, 129-130 (1982).
69. Daniels, L.B., Gnarr, J.R. and Glew, R.H. "Effectors of Three β Glucosidases from Human Liver. In: *Gaucher Disease: A Century of Delineation and Research*. Proceedings of the First International Symposium on Gaucher's Disease: The Most Prevalent Jewish Genetic Disease. 1982, Alan R. Liss, pp. 333-355.
70. Glew, R.H., Clark, L.S., Daniels, L.B. and Hoyer, S.W., "Enzymic Differentiation of Neurologic and Nonneurologic Forms of Gaucher Disease," *J. Neuropathol.*

Exper. Neurol., 41, 630641 (1982).

71. Glew, R.H., Czuczman, M.S., Diven, W.F., Berens, R.L., Pope, M.T. and Katsoulis, D.E., "Partial Purification and Characterization of Particulate Acid Phosphatase of Leishmania donovani Promastigotes", Comp. Biochem. Physiol. B, 72b, 581590 (1982).
72. Omene, J.A., Ihongbe, J.C., Imoedemhe, D. and Glew, R.H., "The Diagnostic and Prognostic Value of Serum Trypsin Inhibitory Capacity in Infants with Idiopathic Respiratory Distress Syndrome," Nigerian J. Ped., 11, 15 (1984).
73. Omene, J.R. and Glew, R.H., "Changes in Lysosomal Hydrolases from Cord Blood of Vigorous and Asphyxiated Nigerian Newborn Infants," Afr. J. Med. Sci. 9, 8183, (1982).
74. Omene, J.R., Levine, R., Gnatuck, C., Longe, A.C., Ihongbe, J.C. and Glew, R.H., "Serum Lysosomal Hydrolases and Immunoglobulin Levels in Sickle Cell Trait," Clin. Chim. Acta, 115, 409414, (1981).
75. Daniels, L.B., and Glew, R.H., " β Glucosidase Assays in the Diagnosis of Gaucher's Disease," Clin. Chem., 28, 569577 (1982).
76. Daniels, L.B., Coyle, P.J., Glew, R.H., Radin, N.S. and Labow, R.S., "Brain Glucocerebrosidase in Gaucher's Disease," Arch. Neurol., 39, 550556 (1982).
77. Daniels, L.B., Robinson, D.B., Glew, R.H., and Wylin, R.F., "Normal Serum Acid Phosphatase and Angiotensin Converting Enzyme Levels in a Patient with Gaucher's Disease," Clin. Chem., 27, 17831784 (1981).
78. Daniels, L.B., and Glew, R.H., " β DGlucosidases in Tissue". In: Methods of Enzymatic Analysis, IV, 217226 (1984).
79. Faber, C., and Glew, R.H., " α DMannosidases in Serum". In: Methods of Enzymatic Analysis, IV, 230240 (1984).
80. Faber, C.N., Glew, R.H., and Stanko, R.T., "Serum AlphaMannosidase in Patients with Alcoholic Liver Disease," Enzyme, 31, 110 (1984).
81. LaMarco, K.L., Diven, W.F., Glew, R.H., Doyle, W.J., and Cantekin, E.I., "Neuraminidase Activity is Middle Ear Effusions," Ann. Otol. Rhinol. Laryngol. 93, 7684 (1984).
82. Basu, A., Glew, R.H., Daniels, L.B. and Clark, L.S., "Activators of Spleen

- Glucocerebrosidase from Controls and Patients with Various Forms of Gaucher's Disease," J. Biol. Chem. 259, 17141719, (1984).
83. Glew, R.H. and Coffee, C.J., "Calmodulin and Parvalbumin: Activators of Human Liver Glucocerebrosidase," Arch. Biochem. Biophys. 229, 5563 (1984).
84. Diven, W.F., Glew, R.H., and LaMarco, K., "Hydrolase Activity in Acute Otitis Media with Effusion," Annals of Otology, Rhinology & Laryngology, 94, 415418 (1985).
85. Nwankwo, M., Schuit, K., and Glew, R.H. "Effects of Maternal Protein Deprivation on the Nutritional Status and on Neutrophil Function of Lactating Neonatal Rats," Journal of Infectious Diseases, 151, 2332 (1985).
86. Remaley, A.T., Das, S., Cambell, P.I., LaRocca, G.M., Pope, M.T., and Glew, R.H., "Characterization of Leishmania donovani acid phosphatase", J. Biol. Chem. 260, 880886 (1985).
87. LaMarco, K.L. and Glew, R.H. "Galactosylsphingosine Inhibition of the BroadSpecificity Cytosolic β Glucosidase of Human Liver," Arch. Biochem. Biophys. 236, 669676 (1985).
88. Remaley, A.T., Kuhns, D.B., Basford, R.E., Glew, R.H.. and Kaplan, S.S., "Leishmanial Phosphatase Blocks Neutrophil O₂ Production," J. Biol. Chem. 259, 1117311175 (1984).
89. Basu, A. and Glew, R.H., "Characterization of the Phospholipid Requirement of a Rat Liver β Glucosidase," Biochem. J. 224, 515524 (1984).
90. Prence, E., Chakravorti, S., Basu, A., Clark, L.S., Glew, R.H. and Chambers, J.A., "Further Studies on the Activation of Glucocerebrosidase by a HeatStable Factor from Gaucher Spleen," Arch. Biochem. Biophys. 236, 98109 (1985).
91. Lewis, E.C., Glew, R.H., Chambers, J.A., Coyle, P., and Coppes, J., "Alpha1Antitrypsin Metabolism in the Proteindefficient Weanling Rat," British J. Nutr. 35, 236249 (1985).
92. Garrett, K.O., Prence, E.M., and Glew, R.H., "Sucrose Gradient Analysis of Phospholipid Activated β Glucosidase in Type 1 and Type 2 Gaucher's Disease," Arch. Biochem. Biophys. 238, 344352 (1985).
93. LaMarco, K.L., Diven, W.F., and Glew, R.H., "Experimental Alteration of Chinchilla Middle Ear Mucosae by Bacterial Neuraminidase," Annals of Otology, Rhinology & Laryngology 95, 304308 (1986).

94. Sheh, L., Glew, R.H., BothnerBy, A.A., and Mishra, P.K., "High Resolution Proton Nuclear Magnetic Resonance Studies of the Glucocerebrosidase Activator Protein from Gaucher Spleen," *Biochemistry* 24, 66456651 (1985).
95. Remaley, A.T., Glew, R.H., Kuhns, D.B., Basford, R.E., Waggoner, A.S., Ernst, L.A., and Pope, M.B., "Leishmania donovani: Surface Membrane Acid Phosphatase Blocks Neutrophil Oxidative Metabolite Production," *Exper. Parasitol.* 60, 331341 (1985).
96. Saha, A.K., Dowling, J.N., LaMarco, K., Das, S., Remaley, A.T., Olomu, N., Pope, M.T. and Glew, R.H., "Properties of an Acid Phosphatase from Legionella micdadei which Blocks Superoxide Anion Production by Human Neutrophils," *Arch. Biochem. Biophys.* 243, 150160 (1985).
97. Saha, A.K., Das, S., Glew, R.H. and Gottlieb, M., "Resistance of Leishmanial Phosphatases to Inactivation by Oxygen Metabolites," *J. Clin. Microbiol.* 22, 329332 (1985).
98. Basu, A., Prencce, E., Garrett, K., Glew, R.H. and Ellingson, J.S., "Comparison of NAcyl Phosphatidylethanolamines with Different NAcyl Groups as Activators of Glucocerebrosidase in Various Forms of Gaucher's Disease," *Arch. Biochem. Biophys.* 243, 2834 (1985).
99. Gindler, J., Nwankwo, M.U., Omene, J.A., Roberts, I.M., LaRocca, G.M. and Glew, R.H., "Breast Milk Composition and Bile Saltstimulated Lipase in WellNourished Nigerian Mothers," *Eur. J. Pediatr.* 146, 184186 (1987).
100. Gindler, J., Nwankwo, M. U., Omene, J. A., Glew, R. H. and Roberts, I. M., "The Quality of Milk in a 65 YearOld Nigerian Woman," *Nutrition Research*, 5, 12091213 (1985).
101. Basu, A. and Glew, R. H., "Characterization of the Activation of Rat Liver β Glucosidase by Sialosylgangliotetraosylceramide," *J. Biol. Chem.*, 260, 1306713073 (1985).
102. Glew, R.H., Basu, A., Prencce, E., Garrett, K. and Cooper, R. "The Effects of Acidic Lipids and Heatstable Factor on the PhysicalChemical and Kinetic Properties of Glucocerebrosidase," in *Enzymes of Lipid Metabolism II* (eds. Freysz, L., Dreyfus, H., Massarolli, R. and Gatt, S.). Plenum Pub. Co., pp. 361370 (1986).
103. Olomu, N., Martinez, A.J., LaMarco, K.L., Nerad, T.A., Saha, A.K., Das, S., and Glew, R.H., "Demonstration of Various Acid Hydrolases and Preliminary Characterization of Acid Phosphatase in Naegleria fowleri." *J.*

Protozool. 33, 317321 (1986).

104. Basu, A., Glew, R.H., Wherrett, J. R. and Huterer, S., "Comparison of the Ability of Phospholipids from Rat Liver Lysosomes to Reconstitute Glucocerebrosidase" Archives of Biochem. and Biophys., 245, 464469 (1986).

105. Prence, E.M., Garrett, K.O. and Glew, R.H., "A Kinetic Study of the Effects of Galactocerebroside 3-sulfate on Human Spleen Glucocerebrosidase: Evidence for Two Activator Binding Sites", Biochem. J. 237, 655662 (1986).

106. Prence, E.M., Garrett, K.O., Panitch, H., Basu, A., Glew, R.H., Wherrett, J.R. and Huterer, S., "Sulfogalactocerebroside and Bis(monoacylglyceryl) phosphate as Activators of Spleen Glucocerebrosidase", Clin. Chim. Acta 156, 179190 (1986).

107. LaMarco, K.L. and Glew, R.H., "Hydrolysis of a Naturally Occurring β Glucoside by a Broad specificity β Glucosidase from Liver". Biochem. J. 237, 469476 (1986).

108. Das, S., Saha, A.K., Remaley, A.T., Glew, R.H., Dowling, J.N., Kajiyoshi, M. and Gottlieb, "Hydrolysis of Phosphoproteins and Inositol Phosphates by Cell Surface Phosphatase of Leishmania donovani". Mol. Biochem. Parasitol. 20, 143153 (1986).

109. Das, S., Saha, A.K., Mukhopadhyay, N.K. and Glew, R.H., "A Cyclic Nucleotide Independent Protein Kinase in Leishmania donovani." Biochem. J. 240, 641649 (1986).

110. Zidar, B.L., Hartsock, R.J., Lee, R.E., Glew, R.H., LaMarco, K.L., Pugh, R.P., Raju, R.N., and Shackney, S.E., "Pseudo Gaucher Cells in the Bone Marrow of a Patient with Hodgkin's Disease". Am. J. Clin. Pathol., 87, 533536 (1987).

111. Das, S., Saha, A.K., Nerad, T.A., Martinez, A.J., LaMarco, K.L., Basu, A., Legler, G. and Glew, R.H., "Partial Purification and Characterization of Naegleria fowleri β Glucosidase." J. Protozool. 34, 6874, (1987).

112. Gindler, J., Nwankwo, M.U., Omene, J.A., LaRocca, G.M., Glew, R.H., and Roberts, I.M., "Breast Milk Composition and Bile Salt Stimulated Lipase in Wellnourished and Undernourished Nigerian Mothers." European J. Pediatrics, 146, 184186, (1987).

113. Castagnaro, M., Alroy, J., Ucci, A.A., and Glew, R.H., "Lectin Histochemistry and Ultrastructure of Cat Kidneys from Six Different Storage Diseases." Virchows Archiv. B. Cell Pathol. 54: 1626, 1987.

114. Basu, A., Glew, R.H., Evans, R.W. and Bandik, G., "Isolation and Characterization of a Fatty Acyl Esterase from Rat Lung." Arch. Biochem. Biophys., 261, 384393 (1988).
115. Gonzales, M.M., Basu, A., Okolo, A., and Glew, R.H., "Reconstitution of Human Spleen Glucocerebrosidases by Monoacylglycerol Sulfates and Diacylglycerol Sulfates," Arch. Biochem. Biophys., 262, 345353, (1988).
116. Saha, A.K., Dowling, J.N., Mukhopadhyay, N.K., and Glew, R.H., "Demonstration of Two Protein Kinases in Extracts of Legionella micdadei," J. Gen. Microbiol., 134, 12751281, (1988).
117. Lauro, P., Lechner P.S., Okolo A., Eagon, P.K., Glew, R.H., "Effect of Chronic Ethanol Ingestion on AlphaMannosidase Isoenzymes in Rat Liver," Clin. Chim. Acta, 291, 291298, (1988).
118. Nwankwo, M.U., Olumi, I., Okolo, A.A., Omene, J.A., and Glew, R.H., "Neonatal respiratory syncytial virus infection in Benin City", Nig. J. Pediatr., 14:79-82, 1987.
119. Krall, E.A., Basu, A., Gloninger, M.F., Glew, R.H., Humphries, L., "Serum Lysosomal Hydrolases in Cystic Fibrosis," Clin. Chim. Acta, 175, 1-10, (1988).
120. Saha, A.K., Dowling, J.N., Pasculle, A.W., and Glew, R.H., "Legionella micdadei Phosphatase Catalyzes the Dephosphorylation of Phosphatidylinositol 4,5bisphosphate in Human Neutrophils" Arch. Biochem. Biophys, 265, 94104, (1988).
121. Mukhopadhyay, N.K., Saha, A.K., Lovelace, J.K., DaSilva, R., Sacks, D.L., Glew, R.H., "Comparison of the Protein Kinase and Acid Phosphatase Activities of Five Species of Leishmania" J. Protozool, 35, 601607, (1988).
122. Scanlon, K.L., Diven, W.F., Glew, R.H., "Purification and Properties of Streptococcus Pneumoniae Neuraminidase," Enzyme, 41, 143-150, (1988).
123. Glew, R. H., Saha, A.K., Das, S. and Remaley, A.T., "Cell Surface Hydrolases of Leishmania," Micro. Rev., 52, 312-324, (1988).
124. Mukhopadhyay, N.K., Saha, A.K., Smith, W., Dowling, J.N., Hiserodt, J. and Glew, R.H., "Inhibition of Neutrophil and Natural Killer Cell Function by Human Seminal Fluid Acid Phosphatase." Clin. Chim. Acta, 182, 31-40, (1989).
125. Glew, R.H., Basu, A., Shelley, S.A., Paterson, J.F., Diven, W.F., Montgomery, M.R.,

- "Sequential Changes of Lamellar Body Hydrolases During Ozone-Induced Alveolar Injury and Repair" *Am. J. Path.*, 134, 1143-1150, (1989).
126. Okolo, A.A., Omene, J.A., Glew, R.H., Diven, W.F., and Warty, V.S., "Vitamins A,E, and β Carotene, and Proteins in Malnourished Nigerian Mothers and their Newborn Infants," *Nutrition Research*, 9, 831-838, (1989).
127. Okolo, A., Okorodudu, A., and Glew, R.H., "Decreased Serum AlphaAmylase Levels in Infected Nigerian Newborn Infants." *Biology of the Neonate*, 53, 138-143, (1988).
128. Olomu, N.I., Omene, J.A., and Glew, R.H., "The Effect of Infection on Leukocyte and Serum Lysosomal Enzyme Activities in Protein-calorie Malnutrition," *Nutrition Research*, 9, 15-26, (1989).
129. Gopalan, V., Daniels, L.B., Glew, R.H., and Claeysens, M., "Kinetic Analysis of the Interaction of Alkyl Glycosides with Two Human β -Glucosidases." *Biochem. J.*, 262, 541-548, (1989).
130. Butcher, B.A., Gopalan, V., Lee, R.E., Richards, T.C., Waggoner, A.S., and Glew, R.H., "Use of 4-Heptylumbelliferyl- β -D-Glucoside to Identify Gaucher's Disease Heterozygotes." *Clin. Chim. Acta*, 184, 235-242, (1989).
131. Gopalan, V., Glew, R.H., Libell, D.P., and DePetro, J.J., "The Dual Effects of Alcohol on the Kinetic Properties of Guinea Pig Cytosolic β -Glucosidase." *J. Biol. Chem.* 264, 15418-15422, (1989).
132. Saha, A.K., Dowling, J.N., Mukhopadhyay, N.K., and Glew, R.H., "Legionella micdadei Protein Kinase Catalyzes the Phosphorylation of Tubulin and Phosphatidylinositol." *J. Bacteriol.* 171, 5103-5110, (1989).
133. Mukhopadhyay, N.K., Shome, K., Saha, A.K., Hassell, J.R. and Glew, R.H., "Heparin binds to Leishmania donovani Promastigotes and Inhibits Protein Phosphorylation." *Biochem. J.* 264, 517-525, (1989).
134. Berty, R.M., Adler, S., Basu, A. and Glew, R.H., "Effect of Acid-Base Changes on Urinary Hydrolases in Fabry's Disease Post-Transplant." *J. Lab. Clin. Med.* 115, 696-703 (1989).
135. Crans, D. C., Simone, C.M., Saha, A.K., and Glew, R.H., "Vanadate Monomers and Dimers Both Inhibit the Human Prostatic Acid Phosphatase" *Biochem. Biophys. Res. Commun.* 165, 246-250, 1989.
136. Faber, C.N., Diven, W.F., Axelrod, A.E. and Glew, R.H., "Changes in Serum Lysosomal Enzymes in the Vitamin B₆-Deficient Weanling Rat." *Nut. Res.* 11, 117-128, (1991).

137. Butcher, B.A., Shome, K., Estes, L.W., Choay, J., Petitou, M., Sie, P., and Glew, R.H., "Leishmania donovani: Cell-surface Heparin Receptors of Promastigotes are Recruited from an Internal Pool after Trypsinization." *Exp. Parasitol.*, 71, 49–59, (1990).
138. Saha, A.K., Mukhopadhyay, N.K., Dowling, J.N., Ficht, T.A., Adams, L.G., and Glew, R.H., "Characterization of a Phosphomonoesterase from *Brucella abortus*." *Infect. Immun.*, 58, 1153–1158, (1990).
139. Saha, A.K., Glew, R.H., Kotler, D.P., Omene, J.A., "Elevated Serum B-glucuronidase activity in Acquired Immunodeficiency Syndrome." *Clin. Chim. Acta*, 199, 311–316 (1991).
140. Glew, R.H., Gopalan, V., Hubbell, C.A., Beutler, E, Geil, J.D., and Lee, R.E., "A Case of Nonneurologic Gaucher's Disease that Biochemically Resembles the Neurologic Types." *J. Neuropathol. Exp. Neurol.*, 50, 108–117, (1991).
141. Saha, A.K., Crans, D.C., Pope, M.T., Simone, C.M. and Glew, R.H. Inhibition of Human Seminal Fluid and *Leishmania donovani* Phosphatases by Molybdate Heteropolyanions. *J. of Biol. Chem.* 256: 3511–3517, (1991).
- 141a. Emele FE, Anyiwo CE, Pasculle W, Glew RH, and Iyanda A. *Flavobacterium meningosepticum* and *Pseudomonas putrificians*: Rare organisms causing meningitis in Sokoto, Nigeria. *The Journal of Medical Laboratory Sciences*. pp. 40–45. (1991)
142. Glew, R.H., Gopalan, V., Hubbell, C.A., Devraj, R.V., Lawson, R A., Diven, W.F. and Mannock, D.A., "2,3-Di-O-tetradecyl-1-O-(β -D-glucopyranosyl)-sn-Glycerol is a Substrate for Human Glucocerebrosidase." *Biochem. J.* 274, 557–563, (1991).
143. Dowling, J.N., Saha, A.K., Glew, R.H., "Virulence Factors of the Legionellaceae." *Microbiol. Review*, 56, 32–60, (1992).
144. Lai, L.B., Gopalan, V., and Glew, R.H., "Continuous Spectrophotometric Assays for β -Glucosidases Acting on the Plant Glucosides L-Picein and Prunasin" *Anal. Biochem.* 200, 365–369, (1992).
145. Gopalan, V., Pastuszyn, A., Galey, W.R., and Glew, R.H., "Exolytic Hydrolysis of Toxic Plant Glucosides by Guinea Pig Liver Cytosolic β -Glucosidase" *J. Biol. Chem.*, 67, 14027–14032, (1992).

146. Gopalan, V., Vander Jagt, D.L., Libell, D.P. and Glew, R.H., "Transglucosylation as a Probe of the Mechanism of Action of Mammalian Cytosolic β -glucosidase." J. Biol. Chem. 267, 9629-9638, (1992).
147. Vander Jagt, D.V., Steinberg, B., and Glew, R.H., "Comparison of Urinary Excretion of Four Lysosomal Hydrolases in Healthy Elderly and Young Adults." Clin. Chim. Acta, 210, 47-54, (1992).
148. Butcher, B.A., Sklar, L.A., Seamer, L.C., and Glew, R.H., "Heparin Enhances the Adhesion of Leishmania donovani Promastigotes to Mouse Peritoneal Macrophages." J. Immunol., 148, 2879-2886, (1992)
149. Stroz, M.D., Glew, R.H., Williams, S.L., and Saha, A.K., "Comparisons of preservation Treatments of Collagen using the Collagenase-SDS-PAGE Technique." Studies in Conservation, 38, (1993).
150. Glew, R.H., Williams, S.L., Stroz, M.D., Saha, A.K., "Electrophoretic Analysis of the Effect of Selected Fumigants on Collagenase-protease Digestibility of Skin Proteins" (1994), J. of Intl. Inst. for Conservation: Canadian Group.
151. Forsyth, G.W., Romero, K.M., Alverson, J., Vander Jagt, D.J., and Glew, R.H., "Variable Expression of Leukocyte Cytosolic Broad-specificity β -Glucosidase Activity" Clin. Chim. Acta 216, 11-21, 1993.
152. Romero, K.M., Butcher, B.A., Boyle, P.J., Fry, D.E., and Glew, R.H., "Decreased and β -Galactosidase in Adults with Insulin-dependent Diabetes Mellitus and Normal Renal Function." Clin. Chim. Acta 216, 125-133, 1993.
153. VanderJagt, D.J., Fry, D.E., and Glew, R.H., "Human Glucocerebrosidase Catalyzes Transglucosylation Between Glucocerebroside and Retinol." The Biochemical Journal 300, 309-315, (1994).
154. Baca, O.G., Roman, M.J., Glew, R.H., Christner, R.F., Buhler, J.E., and Aragon, A.S., "Presence of Acid Phosphatase Activity in Acute and Chronic Strains of *Coxiella burnetii*- A Possible Virulence Factor." Infection and Immunity, 1993.
155. Laubscher, K., Okinaka, R.T., and Glew, R.H. "Use of Denaturing Gradient Gel Electrophoresis to Identify Mutant Sequences in the β -Glucocerebrosidase Gene", Hum. Mut. 3, 411-415, (1994).
156. Gardner, K.D., Glew, R.H., Evan, A.P., McAteer, J.A., and Bernstein, J., "Why Renal Cysts Grow", Am. J. Physiol. 35, 353-359, (1994).
157. Yazzie, D., VanderJagt, D.J., Pastuszyn, A., Okolo, A., Glew, R.H., "The Amino

- Acid and Mineral content of Baobab (*Adansonia digitata*) Leaves", *J. Food Comp. Anal.* 7, 189–193, (1994).
158. Yazzie, D., Adoga, G.I., Okolo, A., Szlachetka, R., Fry, D., Glew, R.H., "Decreased Urinary Excretion of B-Glucuronidase in Sickle Cell Anemia in Nigeria. *Renal Failure*, 17:57–64, (1995).
159. Glew, R.H., "Student Centered Curriculum Teaches More than Pathophysiology", *Pulse, JAMA*, Vol. 272, No. 9, pg. 743, (1994).
160. Glew, R.H., Glew, R.S., "Insights From a Medical Scientist Exchange Program Between the United States and Nigeria", *Ethnicity and Disease*, (1994).
161. Adoga, G., Glew, R.H., "Lysomal Enzymes in the Diagnosis and Management of Complications of Diabetes Mellitus" *International Diabetes Digest*, 6:12–14, (1995).
162. Liu, W., Glew, R.H., "Effects of Oligosaccharide Binding on Glycogen Debranching Enzyme Activity and Conformation", *Biochemistry* 34, 7056–7061, (1995).
163. Ziari SA, Mireles VL, Cantu CG, Cervantes III M, Idrisa A, Bobsom D, Tsin TTC and Glew RH. Serum vitamin A, vitamin E, and β -carotene levels in preeclamptic women in northern Nigeria. *Am J Perinatology* 13:287–291 (1996).
164. Omene JA, Easington CR, Glew RH, Prosper M, Ledlie S. Serum β -carotene deficiency in HIV-infected children. *J Natl Med Assoc*, 88:789–793, (1996).
165. Yazzie D, VanderJagt D, Isichei C, Glew R. Fatty acid composition of serum phospholipids of mother–infant pairs in northern Nigeria. *Nutr Res* 16, 1107–1118 (1996).
166. Kim T, Pastuszyn A, VanderJagt D, Glew R.S., Millson M, Glew R.H. The nutritional composition of *Boscia senegalensis* in the Republic of Niger. *J Food Comp and Anal* 10, 73–81, (1997).
167. Moss RL, Hynes A, Enomoto M and Glew RH. Methionine infusion reproduces liver injury of parenteral nutrition cholestasis. *Surgical Forum*, XLVIII:642–644, 1997.
168. VanderJagt DJ, Kanellis GJ, Isichei C, Pastuszyn A and Glew RH. Serum and urinary amino acid levels in sickle cell disease. *J Trop Peds*, 43:220–225, 1997.
169. Glew RH, VanderJagt DJ, Lockett C, Grivetti LE, Smith GC, Pastuszyn A and Millson M. Amino acid, fatty acid and mineral composition of 24 indigenous plants of Burkina Faso. *J Food Comp Anal*, 10:204–217,

1997.

170. Sanchez PA, Idrisa A, Bobzom DN, Airede A, Hollis BW, Liston DE, Jones DD, Dasgupta A and Glew RH. Calcium and vitamin D status of pregnant teenagers in Maiduguri, Nigeria. *J Nat Med Assoc*, 89:805–811, 1997.
171. Hurley DK, Bandy SM, Glew RH, Morris DM and Gardner KD. Kidney and breast cysts: A comparative study of fluids. *Am J Kidney Dis*, 77:304–308, 1997
172. Walter EA, Scariano JK, Easington CR, Polaco AM, Hollis BW, Dasgupta A, Pam S and Glew RH. Rickets and protein malnutrition in northern Nigeria. *J Trop Ped*, 43:98–102, 1997.
173. Scariano JK and Glew RH. Gaucher Disease: A Sphingolipidosis in *Clinical Studies in Medical Biochemistry*, eds. RH Glew and Y Ninomiya, Oxford University Press, NY, 277–289, 1997.
174. Hays WS, Wheeler, DE, Eghtesad B, Glew RH and Johnston, DE. Expression of cytosolic β -glucosidase in liver cells. *Hepatology*, 28:156–163, 1998.
175. Freiburger CE, VanderJagt DJ, Pastuszyn A, Glew RS, Mounkaila G, Millson and Glew RH. Nutrient content of the edible leaves of seven wild plants from Niger. *Plant Foods for Human Nutrition*, 53: 57–69, 1998.
176. Cook JA, VanderJagt DJ, Dasgupta A, Mounkaila G, Glew RS and Glew RH. Use of the Trolox assay to estimate the antioxidant content of seventeen edible plants of Niger. *Life Sciences*, 63:105–110, 1998.
177. Schmeits B, Okolo SN, VanderJagt DJ, Huang VS, Chuang L–T, Mata JR, Tsin A and Glew RH. Content of essential lipid nutrients in the milk of Fulani women in northern Nigeria. *Nutr Res*, in press, 1999.
178. Thacher T, Glew RH, Isichei C, Scariano JK, Hollis BW, and VanderJagt DJ. Rickets in Nigerian children: Response to calcium supplementation. *J Tropical Pediatrics*, in press, 1998. 45: 258–264, 1999.
180. Sena LP, VanderJagt DJ, Rivera C, Tsin A, Muhamadu I, Mahmadou O, Millson M, Pastuszyn, A and Glew, RH. Analysis of nutritional components of eight famine foods of the Republic of Niger. *Plant Foods for Human Nutr*, 52:17–30, 1999.
181. Enomoto TM, Isichei C, VanderJagt D, Fry DE and Glew RH. Decreased polyunsaturated fatty acids in sickle cell anemia. *J Tropical Pediatrics*, 44:28–34, 1998.

182. Scariano J, VanderJagt DJ, Thacher T, Isichei CO, Hollis B and Glew RH. Calcium supplements increase the serum levels of cross-linked N-telopeptides of bone collagen and parathyroid hormone in rachitic Nigerian children. *Clin Biochem*, 31:421-427, 1998.
183. Glew RH, VanderJagt DJ, Okolo SN and Huang V. The fatty acid composition of human milk in northern Nigeria. *Nutr Res*, in press, 1999.
184. Moss RL, Enomoto TM, Haynes A, Fry DE and Glew RH. Parental feeding alters the fatty acid composition of serum of rabbits. *J Parenteral and Enteral Nutr*, 22:98-101, 1998.
185. Morris SL, Hays WS, Enomoto M, Glew RH, Federsen R, Fry DE, and Morris DM. Serum cytosolic β -glucosidase elevation and early ischemic injury to guinea pig small intestine. *Surgery*, in press, 1999.
186. Reeves LM, Onwuanaku BS, Okolo SN, Glew RH, Blackwell W, Magnussen MA, Bhatt SK, Okonji M, and VanderJagt DJ. Total antioxidant capacity of human milk from Nigeria and Nepal. *Life Sci*, in press, 2000.
187. Schmeits BL, Cook JA, VanderJagt DJ, Magnussen MA, Bhatt SK, Bobik EG, Huang Y-S, and Glew RH. Fatty acid composition of the milk lipids of women in Nepal. *Nutrition Research*, 19 : 1339-1348, 1999.
188. Onwuanaku C, Okolo SN, Churchwell C, Okonji M, VanderJagt DJ, Millson M, and Glew RH. Concentrations of eight trace minerals in milk and sera of mother-infant pairs in Northern Nigeria. *Journal of Tropical Pediatrics*, 46: 160-162, 2000.
189. VanderJagt DJ, Okolo SN, Rabasa AI and Glew RH. Bioelectrical impedance analysis of the body composition of Nigerian children with sickle cell disease. *J Trop Ped*, 46: 67-72, 2000.
190. Obadofin MO, Sena LP, VanderJagt DJ, Huang Y-S, Liu J-WR, Dasgupta A, Obekpi A, and Glew RH. Abnormal fatty acid composition of the serum phospholipids of adults with goiter in Northern Nigeria. *Life Sci*, in preparation, 2000.
191. Glew RH, Okolo SN, Chuang L-T, Huang Y-S and VanderJagt DJ. The fatty acid composition of Fulani butter oil made from cow's milk. *J. Food Comp. Anal.*, 12: 235-240, 1999.
192. Warner C and Glew RH. Between stories and oaths: preventing harm in medical research. *Perspectives in Biology and Medicine*, in preparation,

2000.

193. Baca EA, Ulibarri VA, Scariano JK, Ujah I, Bassi A, Rabasa AI, VanderJagt DJ, and Glew RH. Increased serum levels of n-telopeptides (Ntx) of bone collagen in postmenopausal Nigerian women. *Calcified Tissue International*, 65:125-128, 1999.
194. Moss RL, Hayes A, Pastuszyn A, and Glew RH. Methionine infusion reproduces liver injury of parenteral nutrition-associated cholestorsis. *Pediatr. Res.*, 45:664-668, 1999.
195. Hays WS, Bose B, Serianni AS and DL VanderJagt. Catalytic mechanism and specificity fo hydrolysis and transglycosylation reactions of cytosolic β -glucosidase from guinea pig liver. *J Biol Chem*, 273: 34941-34948, 1998.
196. Baca EA, Ulibarri V, Scariano JK, Ujah I, Bassi A, Rabasa, VanderJagt DJ, and Glew RH. Increased serum levels of N-telopeptides (Ntx) of bone collagen in postmenopausal Nigerian women. 65:125-128, 1999.
197. Glew, RH, VanderJagt DJ, Okolo SN, Romero L, and Millson M. The level of lead in the milk of Fulani women in Northern Nigeria. *J Nat Med Assoc*, 2000.
198. Liu W, Pitcher DE, Morris SL, Pugmire JE, Shores JT, Imgram CEH, Glew RH, Morris DM and Fry DE. Differential effects of heparin on the early and late phases of hepatic ischemia and reperfusion injury in the pig. *Shock* 12:134-138, 1999.
199. Okolo SN, VanderJagt TJ, Vu, T, VanderJagt TA, VanderJagt DJ, Okoneji M, Huang Y-S, Chuang L-T, Onwuanaku C, and Glew RH. The fatty acid composition of human milk in northern Nigeria. *J Hum Lact.* 16: 28-35, 2000.
200. Schmeits BA, Okolo SN, VanderJagt DJ, Huang YS and Glew, RH. Selective retention of n-3 and n-6 fatty acids in human milk lipids in the face of increasing proportions of medium chain-length (C10-C14) fatty acids. *Prostaglandins Leukotrienes, and Essential Fatty Acids.* 61:219-224, 1999.
201. Glew, RH, VanderJagt DJ, Okolo SN, Romero L, and Millson M. The level of lead in the milk of Fulani women in northern Nigeria. *J Nat Med Assoc*, (1999) in press.
202. Cook JA, VanderJagt DJ, Pastuszyn A, Mounkaila G, Glew RS and Glew RH. Nutrient content of two indigenous plants of the western Sahel: *Balanites aegyptiaca* and *Maerua crassifolia*. *J Food Comp Analysis* (1999) in press.
203. Schmeits B, Okolo SN, VanderJagt DJ, Huang VS, Chuang L-T, Mata JR, Tsin A and Glew RH. Content of essential lipid nutrients in the milk of Fulani women in

- northern Nigeria. *J Hum Lact* 15:113–120, 1999.
204. VanderJagt DJ, Peery B, Thacher T, Pastuszyn A and Glew, RH. Aminoaciduria in calcium–deficiency rickets in northern Nigeria. *J Trop Ped*, 45:258–264, 1999.
 205. Scariano JK, Glew RH, Bou–Serhal C, Clemens JD, Garry PJ and Baumgartner RN. Serum levels of cross–linked N–telopeptides (NTx) and amino terminal propeptides (PINP) of Type I collagen indicate low bone–mineral density in elderly females. *Bone* 23:471–477, 1998.
 206. Morris SL , Hays WS, Enomoto M, Glew RH, Federsen R, Fry DE, and Morris DM. Serum cytosolic beta–glucosidase elevation and early ischemic injury to guinea pig small intestine. *Surgery*, 125: 202–210, 1999.
 207. Hays WS, VanderJagt DJ, Bose B, Serianni AS, and Glew RH. Catalytic mechanism and specificity for hydrolysis and transglycosylation reactions of cytosolic beta–glucosidase from guinea pig liver. *J Biol Chem*, 273:34941–34948, 1999.
 208. Reeves LM, Onwuanaku BS, Okolo SN, Glew RH, Blackwell W, Magnussen MA, Bhatt SK, Okonji M, and VanderJagt DJ. Total antioxidant capacity of human milk from Nigeria and Nepal. *Life Sci*, (2000) in press.
 209. Schmeits BL, Cook JA, VanderJagt DJ, Magnussen MA, Bhatt SK, Bobik EG, Huang Y–S, and Glew RH. Fatty acid composition of the milk lipids of women in Nepal. *Nutr Res*, 19: 1339–1348, 1999.
 210. VanderJagt DJ, Okolo SN, Rabasa AI and Glew RH. Bioelectrical impedance analysis of the body composition of Nigerian children with sickle cell disease. *J Trop Pediatr*, 46: 67–72, 2000.
 211. Glew RH, Jackson D, Sena L, VanderJagt DJ, Pastuszyn A, and Millson M. The protein, fatty acid and trace mineral content of the larvae of *Gonimbrasia belina* (mopane worm). *American Entomologist Research*, Winter, 250–253, 1999.
 212. Moss RL, Hayes A, Pastuszyn A, and Glew RH. Methionine infusion reproduces liver injury of parenteral nutrition–associated cholestasis. *Pediatr Res*, 45:664–668, 1999.
 213. Hays WS, Wheeler, DE, Eghtesad B, Glew RH and Johnston, DE. Expression of cytosolic beta–glucosidase in liver cells. *Hepatology*, 28:156–163, 1998.
 214. Freiburger CE, VanderJagt DJ, Pastuszyn A, Glew RS, Mounkaila G, Millson and Glew RH. Nutrient content of the edible leaves of seven wild plants from Niger. *Plant Foods for Human Nutrition*, (1998) in press.
 215. Cook JA, VanderJagt DJ, Dasgupta A, Mounkaila G, Glew RS and Glew RH. Use of

- the Trolox assay to estimate the antioxidant content of seventeen edible plants of Niger. *Life Sci*, 63:105–110, 1998.
216. Glew RH, Okolo SN, Chuang L-T, Huang Y-S and VanderJagt DJ. The fatty acid composition of Fulani 'butter oil' made from cow's milk. *J Food Comp Anal*, 12: 235–240, 1999.
 217. Scariano J, VanderJagt DJ, Thacher T, Isichei CO, Hollis B and Glew RH. Calcium supplements increase the serum levels of cross-linked N-telopeptides of bone collagen and parathyroid hormone in rachitic Nigerian children. *Clin Biochem*, 31:421–427, 1998.
 218. Thacher T, Glew RH, Isichei C, Scariano JK, Hollis BW, and VanderJagt DJ. Rickets in Nigerian children: Response to calcium supplementation. *J Trop Pediatr*, 45:202–207, 1999.
 219. VanderJagt DJ, Okolo SN, Rabassa AI, Glew RH. Bioelectrical impedance analysis of the body composition of Nigerian children with sickle cell disease. *J Trop Pediatr*. 46:67–72, 2000.
 220. Chandani AK, Scariano JK, Glew RH, Clemens JD, Garry PJ, Baumgartner RN. Bone mineral density and serum levels of aminoterminal propeptides and cross-linked N-telopeptides of type I collagen in elderly men. *Bone*. 26:513–518, 2000.
 221. Yazzie D, Dasgupta A, Okolo A, Glew RH. Lysosomal enzymuria in protein energy malnutrition. *Am J Nephrol*. 18:9–15, 1998.
 222. Freiberger CE, Vanderjagt DJ, Pastuszyn A, Glew RS, Mounkaila G, Millson M, Glew RH. Nutrient content of the edible leaves of seven wild plants from Niger. *Plant Foods Hum Nutr*. 1998; 53:57–69.
 223. Glew RH, VanderJagt DJ, Huang Y, Glew RS. Fulbe milking practice and nutrient content of cow milk in northern Nigeria. *Ecology of Food and Nutrition*, (2000) in press.
 224. VanderJagt DJ, Glew RH. Rickets in Tropical Africa. Postgraduate Doctor, (2000) in press.
 225. VanderJagt DJ, Glew RH. Aminoaciduria in calcium-deficiency rickets: a case report. *Pediatric Review Journal*, 3:11–13, 2001.
 226. VanderJagt DJ, Peery B, Thacher T, Pastuszyn A, Hollis BW, Glew RH. Aminoaciduria in calcium-deficiency in northern Nigeria. *Journal of Tropical Pediatrics* (1999) 45: 258–264.

227. Glew RH and Insel PA. Academic Health Center Administrators Don't Perish When They Don't Publish. *Academic Medicine*, 75: 996–998, 2000.
228. Shores JT, VanderJagt DJ, Millson M, Huang Y–S, Glew RH. Correlation between the content of intermediate chain–length fatty acids and copper in the milk of Fulani women. *Prostaglandins Leukotrienes and Essential Fatty Acids*, 63: 203–207, 2000 .
229. VanderJagt DJ, Morales M, Thacher T, Diaz M, Glew RH. Bioelectrical impedance analysis of the body composition of Nigerian children with calcium–deficiency rickets. *Journal of Tropical Pediatrics*, (2001) 47: 92–97.
230. VanderJagt DJ, Shores JT, Okolo SN, Millson M, Ezeogu AF, Wadinga W, Glew RH. Trace mineral content of the milk of Fulani women and the sera of their breast–fed infants. *Highlands Medical Research Journal* (2002) 1: 6–11.
231. VanderJagt DJ, Spelman K, Ambe J, Datta P, Blackwell W, Crossey M, Glew RH. Folate and vitamin B₁₂ status of adolescent girls in northern Nigeria. *Journal of the National Medical Association* 92: 334–340, 2000.
232. Glew RH, VanderJagt DJ, Ujah IAO. The unexplored research potentials of public health in Africa. *Journal of Tropical Pediatrics* 46:6–9, 2000.
233. Glew RH. The Joys of International Work. *Pharos* (2000) Autumn, pp.17–21.
234. VanderJagt DJ, Arndt CD, Okolo SN, Huang Y–S, Chuang L–T, Glew RH. Fatty acid composition of the milk lipids of Fulani women and the serum phospholipids of their exclusively breast–fed infants. *Early Human Development* (2000) 60: 73–87.
235. Jozefowicz RF, Koeppen BM, Case S, Galbraith R, Swanson D, Glew RH. The quality of in–house examinations? *Academic Medicine* (2002) 77: 156–161.
236. Cook JA, VanderJagt DJ, Glew RS, Millson M, Glew RH. Elevated yttrium levels in wild edible plants of the western Sahel. *Environ Nutr Interact* (1999) 3: 77–83.
237. Cook JA, VanderJagt DJ, Pastuszyn A, Mounkaila G, Glew RS, Millson M, Glew RH. Nutrient and chemical composition of 13 wild plant foods of Niger. *J Food Comp Journal* (2000) 13: 83–92.
238. Wei L, Lopez JM, VanderJagt DJ, Glew RH, Fry DE, Schermer C, Morris M. Evaluation of aminoaciduria in severely traumatized patients. *Clin Chim Acta*, (2001) in press.

239. Glew RH. Memorial to Albert Schweitzer: If Not Now, When? *Journal of the National Medical Association* (2001) 93, 1-3.
240. Glew RH and Anderson W. Protecting professors from the burden of teaching. (Letter to the Editor) *American Journal of Medicine*, December, 27, 2001, pp.1-5.
241. Vanderjagt DJ, Bond B, Dulai R, Pickel A, Ujah OA, Wadinga WW, Scariano JK, Glew RH. Assessment of the bone status of Nigerian women by ultrasound and biochemical markers. *Calcified Tissue International* (2001) 68; 277-284.
242. Torres JE, Vanderjagt DJ, Okolo SN, Magnussen M, Bhatta SK, Glew RH. Bile salt-stimulated lipase in the milk of Fulani and Kanuri women in Nigeria and native Nepalese women. *Journal of the National Medical Association*. (2001) 93: 201-207.
243. Glew RH, Williams M, Conn CA, Cadena SM, Crossey M, Okolo SN, Vanderjagt DJ. Cardiovascular risk factors and diet of Fulani pastoralists of northern Nigeria. *American Journal of Clinical Nutrition* (2001) 74: 730-736.
244. Vanderjagt DJ, Freiberger C, Vu HT, Mounkaila G, Glew RS, Glew RH. The trypsin inhibitor content of 61 wild edible plant foods of Niger. *Plant Foods for Human Nutrition* (2000) 55: 335-346.
245. Morris DM, Smith HO, Liu W, Jenesen MC, Vanderjagt DH, Glew RH, Fry DE. Are antioxidant levels measured immediately postoperatively an indicator of magnitude of injury? *American Journal of Surgery* (2000) 180: 212-216.
246. Knox E, Vanderjagt DJ, Shatima D, Huang YS, Chuang LT, Glew RH. Nutritional status and intermediate chain-length fatty acids influence the conservation of essential fatty acids in the milk of northern Nigerian women. *Prostaglandins Leukot Essent Fatty Acids* (2000) 63:195-202.
247. Okolo SN, Onwuanaku C, Okonji M, Vanderjagt DJ, Millson M, Churchwell C, Glew RH. Concentration of eight trace minerals in milk and sera of mother-infant pairs in northern Nigeria. *Journal of Tropical Pediatrics* (2000) 46:160-162.
248. Vanderjagt DJ, Okolo SN, Costanza A, Blackwell W, and Glew RH. Antioxidant content of the milk of Nigerian women and the sera of their exclusively breast-fed infants. *Nutrition Research* (2001) 21: 121-128.

249. Ujah IO, Ikeh EI, Glew RH, Vanderjagt DJ. Evaluation of the optimal test for rapid diagnosis of malaria – the Nigerian experience. *African Journal of Clinical and Experimental Microbiology* (2003) 4: 14–17.
250. Glew RH, Elliot JA, Huang Y-S, Chuang L-T, VanderJagt DL. Constancy of the fluidity of the milk lipids of three different human populations. *Nutrition Research* (2002) 22, 1231–1241.
251. Glew RH, Casados J, Huang Y-S, Chuang L-T, VanderJagt DJ. The fluidity of the acyl chains of the serum phospholipids of children with sickle cell disease in Nigeria. *Prostaglandins, Leukotrienes and Essential Fatty Acids* (2002) 67, 217–222.
252. Paoletti MG, Buscardo E, VanderJagt DJ, Pastuszyn A, Pizzoferrato L, Huang V, Chuang T, Millson M, and Cerda H. Nutrient content of termites (*Syntermes soldiers*) consumed by Makiritare Amerindians of the Alto Orinoco of Venezuela. *Ecology of Food and Nutrition* (2003) 42: 177–191.
253. Glew RH, Ayaz A, Sanz C, VanderJagt DJ, Huang HS, Chuang LT and Strnad M. Changes in sugars, organic acids and amino acids in medlar (*Mespilus germanica* L.) during fruit development. *Food Chemistry* (2003) 83: 363–369.
254. Ayaz FA, Kadioglu A, Huang HS, Chuang LT, VanderJagt DJ, Glew RH. Fatty acid composition of medlar (*Mespilus germanica* L.) fruit at different stages of development. *Italian Journal of Food Science* (2002) 14: 439–446.
255. Glew RH, Ayaz A, Kadioglu A, VanderJagt DJ, Millson M. Mineral composition of medlar (*Mespilus germanica*) fruit at different stages of development. *Journal of Food Composition and Analysis* (2006) in press.
256. Glew RH, Ayaz A, Sanz C, VanderJagt DJ, Huang HS, Chuang LT. Effect of postharvest period on sugars, organic acids and fatty acid composition in commercially sold medlar (*Mespilus germanica* ‘Dutch’) fruit. *European Food Science and Technology* (2003) 216: 390–394.
257. Glew RH, VanderJagt DL. A biochemistry of human disease course for undergraduate and graduate students. *Biochemistry and Molecular Biology Education* December, 2001, pp.1–5.
258. Glew RH, Casados J, Huang Y-S, Chuang L-T, and VanderJagt DJ. Correlation of the fatty acid composition and fluid property of the cholesteryl esters in the serum of Nigerian children with sickle cell disease and healthy controls. *Prostaglandins, Leukotrienes and Essential Fatty Acids* (2003) 68: 61–68.
259. Paoletti MG, Buscardo E, VanderJagt DJ, Pastuszyn A, Pizzoferrato L, Huang Y-S, Chuang L-T, Millson M, Cerda H, Torres J, and Glew RH. Nutrient content of

earthworms consumed by Ye'Kuana Amerindians of the Alto Orinoco of Venezuela. Proc. R. Soc. Lond. B 2003.

260. Fernandez DR, VanderJagt DJ, Williams M, Huang Y-S, Chuang L-T, Millson M, Andrews R, Pastuszyn A, and Glew RH. Fatty acid, amino acid, and trace mineral analyses of five weaning foods from Jos, Nigeria. Plant Foods for Human Nutrition 57: 257-274, 2002.

261. Tzamaloukas AH, Murata GH, Servilla KS, VanderJagt DJ, Hoffman RM, Glew RH. Normalization of protein nitrogen appearance (PNA) by different size indicators in patients on peritoneal dialysis. Advances in Peritoneal Dialysis (2003) 19: 207-211.

262. Tzamaloukas AH, Murata GH, Servilla KS, VanderJagt DJ, Hoffman RM, Glew RH. Weight status classification in peritoneal dialysis patients. Advances in Peritoneal Dialysis (2003) 19: 217-221.

263. Ujah IOA, Ikeh EI, Glew RH, VanderJagt DJ. Evaluation of the optimal test for rapid diagnosis of malaria. African J of Clin & Exper Micro, 4: 14-18, 2003.

264. Glew RH, Brock HS, Vandervort J, Agaba P, Harkins MS, VanderJagt DJ. Lung function and nutritional status of semi-nomadic Fulani children and adolescents in northern Nigeria. Journal of Tropical Pediatrics (2004) 50: 20-25.

265. Dimmitt R, Glew RH, Coby C, Brindle M, Skarsgard E, Moss RL. Serum cystolic beta-glucosidase activity in a rat model of neurotizing euturocohitis. Pediatric Research (2003) 54: 462-465.

266. Glew RH, Ayaz AF, Carlos S, Vanderjagt DJ, Huang HS, Chuang LT, Strnad M. Effect of postharvest period on sugars, organic acids and fatty acids compositon in commercially sold medlar (*Mespilus germanica* 'Dutch') fruit. Eur Food Res Technol (2003) 216:390-394.

267. Tzalmaloukas A, Murata G, Vanderjagt DJ, Servilla K, Glew R. Body composition evaluation in peritoneal dialysis patients using anthropometric formulas for estimating body water. Advances in Peritoneal Dialysis (2003) 19: 212-216.

268. Tzalmaloukas A, Murata G, Vanderjagt DJ, Servilla K, Glew R. Estimates of body water, fat-free mass, and body fat in patients on peritoneal dialysis by anthropometric formulas. Kidney International (2003) 63: 1605-1617.

269. VanderJagt DJ, Huang Y-S, Chuang L-T, and Glew RH. Phase angle and n-3 polyunsaturated fatty acids in sickle cell disease. in: *Essential Fatty Acids and Eicosanoids*, eds., YS Huang, S-J Lin, and P-C Huang. (2003), AOCS Press, Champaign, IL, pp. 278-284,
270. Glew RH, Bhanji RA, VanderJagt DJ. Effects of displacement resulting from ethnic/religious conflict on the growth and body composition of Fulani children in northern Nigeria. *Journal of Tropical Pediatrics* (2003) 49: 279-285.
271. Glew RH, Conn CA, Bhanji R, Calderon P, Barnes C, VanderJagt DV. Survey of the growth characteristics and body composition of Fulani children in a rural hamlet in northern Nigeria. *Journal of Tropical Pediatrics* (2003) 49: 313-321.
272. Agaba EI, Lopez A, Ma I, Martinez R, Tzamaloukas RA, VanderJagt DJ, Glew RH, Tzamaloukas AH. Chronic dialysis in a Nigerian teaching hospital: Practice and costs. *International Journal of Artificial Organs* (2003) 26: 991-995.
273. Agaba EI, Adeniyi O, Servilla KS, VanderJagt DJ, Glew, RH, and Tzamaloukas AH. Characteristics of end-stage renal disease in diabetic patients in two countries with different socioeconomic conditions. *International Urology and Nephrology*, (2004) 36: 611-616.
274. Cerda H, Araujo Y, Glew RH, and Paoletti MG. Palm Worm (Coleoptera, Curculionidae: *Rhynchophorus palmarum*) A Traditional Food: Examples from Alto Orinoco, Venezuela in *Ecological Implications of the Use of Minilivestock: Insects, rodents, frogs and snails*. Ed, M.G. Paoletti, Science Publishers Inc., Enfield, New Hampshire, USA, (2005).
275. Ayaz FA, Glew RH, Millson M, Huang HS, Chuang LT, Sanz C, Hayirlioglu-Ayaz S, Nutrient contents of kale (*Brassica oleraceae* L. var. *acephala* DC.). *Food Chemistry* 2006; 96: 572-579.
276. Ujah IAO, Aisien OA, Mutahir JT, Glew RH, VanderJagt DJ, and Uguru, VE. Factors contributing to maternal mortality in north-central Nigeria: a seventeen-year review. *African Journal of Reproductive Health* 2005; 9: 27-40.
277. Glew R. H., Ayaz F. A., VanderJagt D. J., Millson M., Dris R., Niskanen R. Mineral composition of medlar (*Mespilus germanica*) fruit at different stages of maturity. *Journal of Food Quality* 2005; 26: 441-447.

278. Iya D, Glew, RH, Chanchani S, and VanderJagt DJ. Prostate specific antigen (PSA) in an African population: a study of PSA levels in Nigeria. *West African Journal of Medicine* 2005, in press.
279. Glew RH, Kassam H, VanderVoort J, Agaba F, Harkins, VanderJagt DJ. Comparison of pulmonary function between children living in rural and urban areas in northern Nigeria. *Journal of Tropical Pediatrics* (2005) 50: 209–216.
280. VanderJagt DJ, Trujillo MR, Bode–Thomas F, Huang Y–S, Chuang L–T, Glew RH. Phase angle correlates with n–3 fatty acids and cholesterol in red cells of Nigerian children with sickle cell disease. *Lipids in Health and Disease* (2003) 2:2–8.
281. Shores JT, VanderJagt DJ, Husler JW, Huang Y–S, Chuang L–T, Millson M, Glew RH. Seasonal differences of the nutrient content of the milk of the cows of Fulani pastoralists in northern Nigeria. *Highland Medical Research Journal* (2003) 1: 6–12.
282. Glew RH, Torres VA, Huang Y–S, Chuang L–T, VanderJagt. The fluidity of the serum phospholipids of Fulani pastoralists consuming a high–fat diet. *Prostaglandins, Leukotrienes and Essential Fatty Acids* (2003) 69: 245–52.
283. Glew RS, VanderJagt DJ, Huang Y–S, Chuang L–T, Bosse R, Glew RH. Nutritional analysis of the edible pit of *Scirocarya birrea* in the Republic of Niger (daniya, Hausa). *Journal of Food Composition and Analysis* (2004) 17: 99–111.
284. VanderJagt DJ, Patel RJ, El–Nafaty AU, Melah GS, Crosssey MJ, Glew RH. High–density lipoprotein and homocysteine levels correlate inversely in preeclamptic women in northern Nigeria. *Acta Obstet Gynecol Scand* (2004) 83: 1–7.
285. Glew RH, Melah GS, El–Nafaty AU, Brandt Y, Morris D, VanderJagt DJ. Plasma and urinary free amino acid concentrations in preeclamptic women in northern Nigeria. *Clin Chim Acta* (2004) 342: 179–85.
286. VanderJagt DJ, McClung KD, Kassam HA, Harkins MS, Glew RH. Pulmonary function of

herdsmen. *J Natl Med Assoc* (2004) 96: 550–55.

287. Glew RH, Conn CA, VanderJagt TA, Calvin CD, Obadofin MO, Crossey M, VanderJagt DJ.
Risk factors for cardiovascular disease and diet of urban and rural dwellers in northern Nigeria.
J Health Popul Nutr (2004) 22: 357–69.
288. Glew RH, Okolie H, Crossey M, Suberu O, Trujillo M, Pereyra M, VanderJagt DJ.
Serum lipid profiles and homocysteine levels in adults with stroke or myocardial infarction in the town of Gombe in northern Nigeria. *Journal of Health Population Nutrition* (2004) 22: 341–47.
289. VanderJagt DJ, Damiani LA, Goodman TM, Ujah IOA, Obadofin MO, Imade GE, Shatima DR, Glew RH. Assessment of the skeletal health of healthy Nigerian men and women using quantitative ultrasound. *Bone* (2004) 35: 387–94.
290. Glew RH, Okolie H, Huang Y-S, Chuang L-T, Suberu O, Crossey M, VanderJagt DJ.
Abnormalities in the fatty acid composition of the serum phospholipids of stroke patients. *J Natl Med Assoc* (2004) 96: 826–32.
291. Glew RH, Bhanji RA, Kassam HA, Okorodudu A, VanderJagt DJ. (Review) Pregnancy and CVD risk factors. *Highland Medical Research Journal* (2004) 2: 1–8.
292. Glew RH, Kassam H, VanderVoort J, Agaba PA, Harkins M, VanderJagt.
Comparison of pulmonary function between children living in rural and urban areas in northern Nigeria. *J Trop Pediatr* (2004) 50: 209–216.
293. Glew RH. Nigerian medical students: an underappreciated and underutilized research source. *Highland Medical Research Journal* (2004) 2: 69–70. (an essay)
294. Glew RH, Hauwa MS, L-T Chuang and VanderJagt DJ. Fatty acid content of the smoked, fresh-water fish *Clairas garipepinus*. *Highland Medical Journal* (2004) 2: 8–13.
295. VanderJagt TA, Ikeh EI, Ujah IOA, Belmonte J, Glew RH, VanaderJagt DJ. A comparison of

the OptiMAL rapid test and microscopy for detection of malaria in pregnant women in Nigeria.

Trop Med Int Health (2005) 10: 39–41.

296. Glew RH, Cole DM, Melah GS, El-Nafaty AU, Crossey MJ, Tzamaloukas A, VanderJagt DJ.

Lysosomal enzymes in preeclamptic women in northern Nigeria. Clin Chim Acta (2005) 353: 95–101.

297. Glew RS, VanderJagt DJ, Bosse R, Huang Y-S, Chuang L-T, Glew RH. The nutrient content of

three edible plants of the Republic of Niger. Journal of Food Composition and Analysis (2005) 18: 15–27.

298. Bond B, Fernandez DR, VanderJagt DJ, Williams M, Huang Y-S, Chuang L-T, Millson M,

Andrews R, Glew RH. Fatty acid, amino acid and trace mineral analysis of three complementary foods from Jos, Nigeria. Journal of Food Composition and Analysis (2005) 18: 675–690.

299. Ujah IOA, Aisien OA, Mutahir JT, VanderJagt DJ, Glew RH, Uguru VE. Maternal mortality

among adolescent women in Jos, North-Central Nigeria. Journal of Obstetrics and Gynaecology (2005) 25: 3–7.

300. Glew RH, VanderJagt DJ. The antenatal clinic at Gombe: Jewel of the savannah. International Journal of Childbirth Education (2005) 20: 4–7.

301. Glew RH, Ayaz FA, Millson M, Huang H-S, Chuang L-T, Sanz C, Golding JB. Changes in sugars, acids and fatty acids in naturally parthenocarpic date plum persimmon (*Diospyros lotus* L.) fruit during maturation and ripening). European Food Research Technology (2005) 221: 113–118.

302. Glew RS, VanderJagt DJ, Chuang LT, Huang YS, Millson M, Glew RH. The nutrient content of four edible wild plants from West Africa. Plant Foods for Human Nutrition (2005) 60: 187–193.

303. VanderJagt DJ, Sagay AS, Imade GE, Farmer SE, Glew RH. Effect of Norplant contraception on the bones of Nigerian women as assessed by quantitative ultrasound and serum markers of bone

- metabolism. *Contraception* (2005) 72: 212–216.
304. Glew RH, Brass E. Teaching intermediary metabolism linearly doesn't work. *Biochemistry and Molecular Biology Education* (2005) 33: 330–334.
305. Ganga S, VanderJagt DJ, Obadofin MO, Stanley P, Zimmerman M, Skipper BJ, Glew RH. Comparison of the clock test and a questionnaire-based test for dementia in Nigerians. *Journal of Investigative Medicine* (2005) 53: S82–S87.
306. VanderJagt DJ, Brock HS, Melah GS, El-Nafaty AU, Crossey MJ, and Glew RH. Nutritional factors associated with anaemia in pregnant women in northern Nigeria. *Journal of Health and Population Nutrition* (2007) 25: 75–81.
307. Labbes EP and Glew RH. The need to improve the quality of scientific manuscripts published in Nigerian biomedical journals. *West African Journal of Medicine* 2007; 26: 160.
308. VanderJagt DJ and Glew RH. Use of calcaneal ultrasound and biochemical markers to assess the density and metabolic state of the bones of adults with hepatic cirrhosis. *Journal of the National Medical Association* (2007) in press.
309. Glew RH, Glew RS, Chuang L-T, Huang Y-S, Millson M, Constans D, VanderJagt DJ. Amino acid, mineral and fatty acid content of pumpkin seeds (*Cucurbita* spp) and *Cyperus esculentus* nuts in the Republic of Niger. *Plant Foods for Human Consumption*. (2006) 61: 51–56.
310. Glew RH, McCarthy DM and VanderJagt DJ. Vitamin B12 deficiency: is it underestimated in pregnant women? *Acta Obstetrics and Gynaecology Scandania* (2006) 85: 242–242.
311. Ikeh E, Glew RH, VanderJagt DJ. Microbial and trace mineral content of well water in three rural communities in Bauchi State, Nigeria. *Nigerian Journal of Health and Biomedical Sciences* (2006) 5: 66–70.
312. Tzamaloukas A, Agaba EI, Onime A, VanderJagt DJ, Ma, I, Lopez A, Martinez R, Tzamaloukas RA and Glew RH. Evaluation of nutritional status and hydration in patients on chronic hemodialysis by bioelectrical impedance analysis. *The Highlands Medical Sciences Journal* (2007)

in press.

313. Ikeh EI, Obadofin MO, Brindeiro B, Baugher C, Frost F, VanderJagt D and Glew RH. Intestinal parasitism in Magama Gumau rural village and Jos Township in north central Nigeria. *Nigerian Postgraduate Medical Journal* 2007; 14: 290–295.
314. VanderJagt DJ, Okeke E, Calvin C, Troncoso C, Crossey M, and Glew RH. Use of calcaneal ultrasound and biochemical markers to assess the density and metabolic state of the bones of adults with hepatic cirrhosis. *Journal of the National Medical Association* 2007; 99: 1024–1029.
315. Laabes EP, VanderJagt DJ, Obadofin MO, Sendeht AJ and Glew RH. Assessment of the bone quality of black female athletes using quantitative ultrasound. *Journal of Sports Medicine and Physical Fitness* (2008) .
316. Glew, RH. Promoting collaborations between biomedical scholars in the US and sub-Saharan Africa. *Experimental Biology and Medicine* (2008) 233: 277–285.
317. Glew RH and VanderJagt DJ. Child health research in Nigeria: challenges and opportunities. *Archives of Ibaden Medicine* (2008) 8: 55–60.
318. Tzamaloukas AH, Konstantinov KN, Agaba EI, Raj DSC, Murata GH and Glew RH. Twenty-first Century ethics of medical research involving human subjects: achievements and challenges. *International Urology and Nephrology* 2008; 40: 153–163.
319. Tzamaloukas AH, Onime A, Agaba EI, VanderJagt DJ, Ma I, Lopez A, Tzamaloukas RA and Glew RH. Hydration abnormalities in Nigerian patients on chronic dialysis. *Hemodialysis International* (2007) 11: 522–528.
320. Raj DSC, Moseley P, Domenic EA, Onime A, Tzamaloukas AH, Boyd A, Shah SO, Glew RH, Wolfe R and Ferrando A. Interleukin–6 modulates hepatic and muscle protein synthesis during hemodialysis. *Kidney International* (2008), 73:1054–1061.

321. Tzamaloukas AH, Murata GH, Raj DSC, VanderJagt DJ, Servilla KS, Sun Y and Glew RH. Evaluation of body composition by indirect methods in patients on peritoneal dialysis. Multivariable analysis of the differences. in press (2008).
322. Tzamaloukas AH, Murata GH, Raj DSC, VanderJagt DJ, Servilla KS, Sun Y, and Glew RH. Evaluation of body composition by indirect methods in patients on peritoneal dialysis. Theoretical analysis of the differences. in press (2008).
323. Glew RH, Wold RS, Herbein JH, Wark WA, Martinez MA and VanderJagt DJ. Low docosahexaenoic acid levels in the milk of women in New Mexico. *Journal of the American Dietetic Association*, (2008), 108: 1693–1699.
324. Laabes E, VanderJagt DJ, Obadofin MO, Sendeht AS and Glew RH. Assessment of the bone quality of black male athletes using calcaneal ultrasound. *Journal of Sports Medicine and Physical Fitness*, 2008; 48 ; 502–508.
325. Laabes EP, Sendeht AJ, Nyango DD and Glew RH. Assessment of the bone density of nomadic Fulani herdsman in northern Nigeria using calcaneal ultrasound. *The Medscape Journal of Medicine*, 2008; 10: 174.
326. Glew RS, Chuang L-Y, Ernst J and Glew RH. Amino acid, fatty acid and mineral content of black finger millet (*Eleusine coracana*) cultivated on the Jos Plateau of Nigeria. *Food*, (2008) 2: 115–118.
327. VanderJagt DJ, Crossey M, Glew RH. Subclinical vitamin B12 deficiency in pregnant women attending an antenatal clinic in Nigeria. *Journal of Obstetrics and Gynaecology*, (2009), in press.
328. VanderJagt DJ, Waymire L, Obadofin MO, Marjon N and Glew RH. A cross-sectional study of the growth characteristics of Nigerian infants from birth to two years of age. *Journal of Tropical Pediatrics*, 2009; 55: 356–362.
329. Glew RS, Amoako-Atta B, Ankar-Brewoo G, Chuang L-T, Millson M, Presley J and

Glew RH.

Nutritional and market value of local plant foods: Mineral, fatty acid and protein content of seven cultivated indigenous leafy vegetables of Ghana. *Food*, in press, (2009).

330. Glew RS, Amoako-Atta, Ankar-Brewoo G, Chuang L-T, Millson M, Presley J, Smith BR and Glew RH. Furthering an understanding of local plant foods in West African communities: Mineral, fatty acid and protein content of the leaves of three indigenous leafy vegetables in Ghana. *British Food Journal*, 2009; 3: 39-42.

331. Glew RS, Amoako-Atta, Ankar-Brewoo, Presley JM, Chang Y-C, Chuang T-T, Millson M, Smith BR, and Glew RH. An indigenous plant food used by lactating mothers in West Africa: The nutrient composition of the leaves of *Kigelia africana* in Ghana. *Biology of Food and Nutrition* (2010) 19: 72-83.

332. Atta S, Diallo AB, Sarr B, Bakasso Y, Saadou M and Glew RH. Variations in macro-elements and protein contents of Roselle (*Hibiscus sabdariffa*, L) from Niger. *African Journal of Food, Agriculture, Nutrition and Development* (2010) 10: 2707-2718.

333. Atta S, Diallo AB, Bakasso Y, Sarr B, Saadou M and Glew RH. Micronutrient contents in Roselle (*Hibiscus sabdariffa* L.) at different growth stages. *African Journal of Food, Agriculture, Nutrition and Development*, (2010) 10: 2615-2627.

334. Atta S, Sarr B, Diallo AB, Sarr B, Bakasso Y, Saadou M and Glew RH. Roselle (*Hibiscus sabdariffa*, L) yield and components in response to nitrogen fertilization in Niger. *Indian Journal of Agricultural Research*, (2010) 44: 96-103.

335. Laabes EP, Sibeko J and Glew RH. A "Last Lecture" for Medical Schools and Teaching Hospitals. *South African Family Practice Journal*, in press, 2011.

336. Ayaz FA, Torun H, Glew RH, Bak ZD, Chuang L-T, Presley JM and Andrews R. Nutrient content of carob pod (*Ceratonia siliqua*) flour prepared commercially and domestically. *Plant Foods for Human Nutrition*, (2009) 64: 286-292.

337. Glew RH, Kramer JKG, Hernandez M, Pastuszyn A, Ernst J, Djomdi N and VanderJagt DJ. The amino

- acid, mineral and fatty acid content of three species of human plant foods in Cameroun.
Food, (2010) 4: 1–6.
- 338 Glew RH, Crossey MJ, Polanams J, Okolie HI and VanderJagt DJ. Vitamin D status of semi-nomadic Fulani men and women. Journal of the National Medical Society, (2010) 102: 485–490..
339. Glew RH, Chuang L–T, Berry T, Okolie H, Crossey MJ and VanderJagt DJ. Lipid profiles and trans fatty acids in serum phospholipids of semi-nomadic Fulani in northern Nigeria. Journal of Health, Population and Nutrition, (2010) 28: 159–166.
340. Ayaz FA, Chuang L–T, Torun H, Colak A, Sesli E, Presley J, Smith BR and Glew RH. Fatty acid and amino acid compositions of selected wild-edible mushrooms in Turkey. International Journal of Food Sciences and Nutrition, (2010) Dec. 17 [Epub ahead of print].
341. Conn CA, Glew RH, Mu’Azu A–U, Okolie HI and VanderJagt DJ. Comparison of energy expenditure and energy intake in urban Fulani, Tropical Doctor, submitted, 2012.
342. Glew RH and Chuang L–T. Using nutrition fact labels to teach gas chromatography in the laboratory. Biochemistry and Molecular Biology Education, (2012) submitted.
- 343 Tzamaloukas AH, Murata GH, Piraino B, Raj DSC, VanderJagt DJ, Bernardini J, Servilla KS, Sun Y, Glew RH and Oreopoulos DG. Sources of variation in estimates of lean-body mass by creatinine kinetics and by methods based on body water or body mass index in patients on continuous peritoneal dialysis. J Renal Nutrition, 2009; 20: 91–100.
344. Laabes EP, Desai R, Zawedde SM and Glew RH. How much longer will Africa have to depend on western nations for support of its capacity-building efforts for biomedical research? Tropical Medicine and International Health, 2011; 16: 258–262.
345. Prevost M, Sun Y, Servilla KS, Massie L, Glew RH and Tzamaloukas AH. Repeated intoxication with elevated serum osmolal and anion gaps and acute kidney injury. International Urology and Nephrology, 2012; 44: 309–314.
346. Glew RH, Wold RS, Corl B, Calvin CD and Vanderjagt DJ. Docosahexaenoic acid

- content of the diet and milk of American Indian women in New Mexico
Journal of the American Dietetic Association
2011; 111: 744–748.
347. Glew RH. You can get there from here: acetone, anionic ketones and even-carbon fatty acids can provide substrates for gluconeogenesis. Nigerian Journal of Physiological Sciences, (2011) in press.
348. Fontaneto D, Tommaseo-Ponzetta M, Galli C, Rise P, Glew RH and Paoletti MG. Differences in fatty acid composition between aquatic and terrestrial insects used as food in human nutrition. Ecology of Food and Nutrition 2011; 50: 351–367.
349. Ayaz FA, and Glew RH. Content of nutritionally essential minerals in 11 species of mushroom in Turkey. (2012), in press.
- 350 Glew RH, Chuang L-T, Crossey MJ and VanderJagt DJ. The mass percentage of myristic acid in serum phospholipids correlates with concentration of serum lipids in Fulani adults. Journal of the National Medical Association (2011) in press.
351. VanderJagt DJ, Ujah IAO, Ikeh EI, Bryant J, Pam VC, Hilgart A, Crossey MJ and Glew RH. Assessment of the vitamin B12 status of pregnant women in Nigeria using plasma holotranscobalamin. ISRN Obstetrics and Gynaecology (Epub 2011), July 14, Article ID365894, doi:10.5402/2011/365894.
352. VanderJagt DJ, Ujah IA, Patel A, Kellywood J, Crossey MJ, Allen RH, Stabler SP, Obande OS and Glew RH. Subclinical vitamin B12 deficiency in pregnant women attending an antenatal clinic in Nigeria. Journal of Obstetrics and Gynaecology, 2009; 29: 288–295.
353. Wolfe MD, Chuang L-T, Rayburn WF, Wen P-C, VanderJagt DJ and Glew RH. Low essential fatty acid concentration in maternal serum correlates with neonatal cord serum. (2012), Journal of Maternal and Fetal Neonatal Medicine, (2011) October 25 [Epub ahead of print].
354. Ayaz FA, Glew RH, Turna I, Guney D, Chuang L-T, Chang Y-C, Andrews R, Power L, Presley J, Turun and Sahin N. *Fagus orientalis* (Oriental Beechnut) seeds are a good source of

- essential fatty acids,
amino acids and minerals. Food, (2011), in press.
- 355 Chuang L-T, Glew RH, Wang Y-C, Lin C-C, Presley JM, Schulze J and Hou C-W. Comparison of the fatty acid, amino acid, mineral and antioxidant content of sweet potato leaves grown on Matsu Island and mainland Taiwan. Food, 2012; 5 (special issue): 43-47.
356. Glew RH and Gopalan V. Manuscript-writing is a learned skill. (2013), in preparation.
357. Kong AS, Vanderbloemen L, Skipper B, Leggot J, Sebesta E, Glew RH and Burge MR. Acanthosis nigricans predicts clustering of metabolic syndrome components in obese elementary school children, Journal of Pediatric Endocrinology and Metabolism, 2012; 25: 1095-1102.
- 358 Chuang L-T, Bulbul U, Wen P-C, Glew RH and Ayaz FA. Fatty acid composition of 12 fish species from the Black Sea region of Turkey. Journal of Food Technology, in press, (2012).
359. Lin C-C, Chuang L-T, Wang Y-C, Tang Y-H, Liao J-S, Amoaka-Atta B, Glew RH and Glew RS. Polyphenol and antioxidant content of *Kigelia africana* leaves in Ghana. Food, 2012; 6: 1-5.
360. Emele FE, Pasculle W, Glew RH and Mbrey N. Incidence and prevalence of *Aeromonas hydrophilia* in meat in Enugu main market. Nigerian Journal of Microbiology 1995; 10: 77-80.
361. Glew RH and Russell JC. The importance of community in academic health centers. British Medical Journal, 2013, in press.
362. Chuang L-T, Glew RH, VanderJagt DJ, Broyles JS, Ray GM and Shah VO. Comparison of the fatty acid composition of the serum phospholipids of controls, prediabetics and adults with type 2 diabetes. (2010) Journal of Diabetes Mellitus, 2012, in press.
363. Huang S-L, Li S-H, Lin C-P, Glew RH and Chuang L-T. Docosahexaenoic acid in maternal blood, neonatal blood and milk among Taiwanese women in Kinman. (2012) submitted.

364. Chuang L-T, Bulbul U, Wen P-C, Glew RH and Ayaz FA. Fatty acid composition of 12 fish species from the Black Sea. *Journal of Food Science* 2012; 77: 512-518.
365. Kulawik P, Ozogul F, Glew RH and Ozogul Y. The significance of the antioxidants for food safety and human health. *Journal of Agricultural and Food Chemistry*, 2012;61: 475-491.
366. Kulawik P, Glew RH and Ozogul F. Quality properties, fatty acids and biogenic amines profile of fresh tilapia stored in ice. *International Journal of Food Science and Technology*, 2012, submitted.
367. Glew RH, Laabes EP, Presley JM, Schulze, J, Andrews R, Wang Y-C, Chang Y-C and Chuang L-T. Fatty acid, amino acid, mineral and antioxidant content of acha (*Digitaria exilis*) grown on the Jos Plateau, Nigeria. *International Journal of Medicine and Medical Sciences*, 2013; 5: 1-8.
368. Chuang L-T, Pinfold TL, Hu H-Y, Chen Y-S, Schulze J, Presley JM, Irons G and Glew RH. Fatty acid, amino acid and mineral composition of two milk replacers for marsupials. *International Zoo Yearbook* 2013, in press,

[Several additional papers in 2011 and 2012 are either submitted or in press.]

Review Articles:

1. Ihler, G. and Glew, R.H., "Enzyme-loaded Erythrocytes," (ed. T.M.S. Chang.) in *Biomedical Applications of Immobilized Enzymes and Proteins*, Plenum Press, New York, 1976.
2. Peters, S.P., Glew, R.H. and Lee, R.E., "Gaucher's Disease, A Review," "Reviews in Genetics, (ed., B. Childs), *Medicine* 56, 425442, (1976).
3. Lee, R.E., Peters, S.P. and Glew, R.H., "Morphologic and Diagnostic Aspects of Gaucher's Disease," *Pathology Annual* (1977), (ed. S.C. AppletonCenturyCrofts, NY.
4. Peters, S.P., Lee, R.E. and Glew, R.H., "Glucocerebrosidase and Gaucher's Disease," (1977) in *Practical Enzymology of the Sphingolipidosis* (Glew, R.H. and Peters, S.P., eds.) Alan R. Liss, Inc., New York.
5. Glew, R.H., Basu, A., Prencce, E., and Remaley, A., "Lysosomal Hydrolases and Human Disease," (ed., E. Ruben), *Lab. Invest.*, 53, 250268 (1985).
6. Glew, R.H., Saha, A.K., Das, S., and Remaley, A.T., "Cell Surface Hydrolases of *Leishmania* sp.," *Microbiol. Rev.*, 52, 312324, (1988).

7. Glew, R.H., Basu, A., LaMarco, K.L., and Prenc, E.M., "Mammalian Glucocerebrosidase: Implications for Gaucher's Disease." *Lab. Invest.*, (1988) 58, 525.
8. Gopalan, V., Forsyth, G.W., and Glew, R.H. "The Mammalian Cytosolic Broad Specificity β -Glucosidase." (1993), in "Biochemistry and Molecular Biology of β -glucosidases," American Cancer Society, Washington, DC.

Books

1. Glew, R.H., and Peters, S.P., eds., "Practical Enzymology of the Sphingolipidoses," Alan R. Liss, Inc., New York, 1977.
2. Glew, R.H., and Peters, S.P., eds. "Clinical Studies in Medical Biochemistry," Oxford University Press, New York, 1987.
3. Glew, R.H. and Ninomiya, Y., eds., "Clinical Studies in Medical Biochemistry": A Case-oriented Approach, Oxford University Press, 1997.
4. Glew R.H and Rosenthal M.D, eds., "Clinical Studies in Medical Biochemistry", Oxford University Press, Third edition, 2006.
5. Rosenthal MD and Glew RH, "Medical Biochemistry: Human Metabolism in Health and Disease", Wiley, Inc., New York, 2009.
6. Glew RH, VanderJagt DJ and Laabes EP, (2009) "How to Write a Manuscript in the Biomedical Sciences", Internet, archived in DSpaceUNM, identifier: [HTTP/hdl.handle.net/1928/9953](http://hdl.handle.net/1928/9953).

Other Original Publications

1. Glew, R.H., "Do We Need the Basic Scientists," *Perspectives in Biology and Medicine*, Autumn, pp. 149-154 (1981).
2. Glew, R.H., Adams, L., and Okolo, A.A.; "Isolation and the International Character of the Fund of Knowledge," *Bulletin of the Allegheny Medical Society*, March, (1988).
3. Glew, R.H., "Scientific Integrity Responsibilities of the Academic Researcher," *Pennsylvania Academy of Science* 62, October (1988).
4. Glew, R.H., "A Medical Scientist Exchange Program Between the U.S. and Nigeria", presented at Victoria Falls, Zimbabwe, Feb., (1993). Ciba-Geigy; published in *Ethnicity and Disease*, in press.

5. Glew, R.H., "The Great Experiment", *Quantum*, Fall 1994 pp. 28-29.
6. Glew RH. Do medical schools need the basic scientists: Revisiting the questions 15 years later. *Perspectives in Biology and Medicine*, 41:529-539, August 1998.
7. Glew RH. Ripkey DR and Swanson DB. Relationship between performance on the NBME Comprehensive Basic Science Examination and USMLE Step I. *Academic Medicine*, 72:1097-1102, 1997.
8. Glew RH. The unexplored research potentials of public health in Africa. *Archives of Ibadan Medicine*, 1: 9-11, 2000.
9. Glew RH. A manuscript writing course for biochemistry undergraduates and graduate students in the biomedical sciences. *Electronic Journal of Biotechnology* (online). April 15, 2002.
10. Glew RH. The true meaning of technology transfer. *Electronic Journal of Biotechnology* (online). April 15, 2002.
11. Glew RH. The problem with problem-based medical education: Promises not kept. *Biochemistry & Molecular Biology Education*. (2003) 31: 52-56.
12. Glew RH. Response to commentaries on "The Problems with problem-bases learning" in *Biochemistry and Molecular Biology Education* (2003), in press.
13. Laabes EP and Glew RH. The need to improve the quality of scientific manuscripts published in Nigerian biomedical journals. *West African Journal of Medicine* (2007) 26: 160-161.
14. Glew RH. A "Last Lecture" Program for the School of Medicine, *Medical Muse*, Fall, (2009) pp. 20-21. Published by the University of New Mexico School of Medicine, <http://hsc.unm.edu/medmuse>.
15. Glew RH, Book review, *Molecular Therapeutics: 21st Century Medicine* by Pamella Greenwell and Michelle McCulley, *Biochemistry and Molecular Biochemistry Education* (2008) 36: 444.
16. Glew RH, Book review, *Drug Truths: Dispelling Myths about Pharma R & D* (Wiley), by John L. LaMattina, in *Biochemistry and Molecular Biology Education*, (2010), in press.
17. Laabes EP, Desai R, Zawedde SM and Glew RH. How much longer will Africa have to depend on western nations for support of its capacity-building efforts for biomedical research? 2011, in press.
18. Glew RH. Portraits, history and memory. *Medical Muse* (Fall, 2011) 16:42.

Book Chapters

1. Lipid Metabolism II Pathway of Metabolism of Special Lipids, in Mammalian Biochemistry, ed. Thomas Devlin (1982) Wiley Medical Publishers. pp. 487532. Second edition published in April, 1986. Third edition published in March, 1992. Fourth edition published in March, 1997. Fifth edition published in January, 2002. Sixth edition published December, 2005. Seventh edition published January, 2010.
2. Glew, R.H. and LaMarco, K.L., "Gaucher's Disease," (eds. R.H. Glew and S.P. Peters), in Clinical Studies in Medical Biochemistry, Oxford University Press, New York (1987).
3. Glew, R.H. and Scariano, J., "Gaucher's Disease" (eds. R.H. Glew and Y. Ninomiya), in Clinical Studies in Medical Biochemistry: A Case-oriented Approach, Oxford University Press, New York (1997). Second edition.
4. VanderJagt DJ and Glew RH. "Calcium Deficiency Rickets". (eds. R.H.Glew and M.D. Rosenthal), in Clinical Studies in Medical Biochemistry, Oxford University Press, New York (2006). Third edition.
5. Hines C and Glew RH. "Gaucher Disease". (eds. R.H. Glew and M.D. Rosenthal), in Clinical Studies in Medical Biochemistry, Oxford University Press, New York (2006), Third edition.

Book Reviews

1. Molecular Therapeutics: 21st Century Medicine, by Pamela Greenwell and Michelle McCulle, John Wiley & Sons, 2008, reviewed in Biochemistry and Molecular Biology Education (BAMBED) (2008).
2. Drug Truths: Dispelling Myths about Pharma R & D, by John L. LaMattina, John Wiley & Sons, Inc, 2009, reviewed in Biochemistry and Molecular Biology Education (BAMBED) (2009).

RESEARCH SUPPORT

Awarded:

National Institutes of Health - Fogarty International Center, Minority International Research Training (MIRT) Grant; current years direct costs, \$205,000; total direct costs (1999-2005), \$920,755

Fulbright Scholars Award for Sub-Saharan Africa, 2006-2007; total award, \$29,000.

Submitted July 1, 2006: NIH grant application, 2006-2009. Fatty acid composition of the milk of different ethnic groups in New Mexico. Direct costs (first year) \$253,000. Total direct costs for entire proposed project period \$995,000.

Theses Directed and Completed

1. Mark S. Kuhlenschmidt Ph.D. Thesis 1975
"The Structure and Metabolism of Normal and Variant Forms of Human Serum Alpha1Antitrypsin"
2. Stephen P. Peters Ph.D. Thesis 1976
"The Enzymology of Gaucher's Disease"
3. R. Robert Miller M.S. Thesis 1976
"Comparison of the Chemical, Physical and Survival Properties of Normal and ZVariant Alpha1Antitrypsins"
4. Kathy Moffit Ph.D. Thesis 1978
"The Enzymology of Gaucher's Disease"
5. Douglas Robinson Ph.D. Thesis 1981
"Acid Phosphatase Isoenzymes in Gaucher's Disease"
6. Patrick Coyle M.S. Thesis 1981
"Study of Hepatic Receptors for Glycoproteins in Protein Malnutrition"
7. Karen LaMarco M.S. Thesis 1982
"Lysosomal Hydrolases in Otitis Media"
8. Lydia B. Daniels Ph.D. Thesis 1983
"BetaGlucosidase Isoenzymes in Human Liver"
9. Alakananda Basu Ph.D. Thesis 1985
"Characterization of the Lipid Requirement of Mammalian Glucocerebrosidase"
10. Alan Remaley Ph.D. Thesis 1985
"The Structure and Function of Leishmania donovani Acid Phosphatase"
11. Rebecca Cooper M.S. Thesis 1985
"Activation of Glucocerebrosidase by Galactocerebroside3sulfate"
12. Elizabeth Prence Ph.D Thesis 1986

"Studies of the Lipid Requirement of Glucocerebrosidase"

13. Karen LaMarco Ph.D. Thesis 1986
"Isolation and Characterization of Mammalian BroadSpecificity β Glucosidase"
14. Joseph DePetro M.S. Thesis 1987
"Kinetic Properties of the BroadSpecificity β Glucosidase of Guinea Pig Liver"
15. Barbara Butcher M.S. Thesis 1988 "Comparison of the PhysicalChemical and Kinetic Properties of Glucocerebrosidases of the Human Brain and Viscera"
16. Barbara Butcher Ph.D. Thesis 1991
"Characterization of a Heparin Binding Protein on the Surface of Leishmania donovani"
17. Venkatakrishnan Gopalan Ph.D. Thesis 1991
"A Comparative Study of Cytosolic and Lysosomal β -glucosidases"
18. William Hays - Ph.D. Thesis 1997
The Gene Sequence and Kinetic Properties of Mammalian β -glucosidases
- 19.10 Chadi Bou-Serhal - M.S. Thesis 1998
AIsolation and Characterization of the β -glucosidase of Guinea Pig Small Intestine
20. John Scariano - M.S. Thesis 1998
AUse of Bone Collagen-specific Markers in Serum to Assess the Metabolic State of the Skeleton

Previous Research Grants

| | | | |
|----|------------------|---|--|
| 1. | 09/01/7108/31/79 | GM19197 (NIH) | Mitochondrial Glycoproteins Structure and Biosynthesis |
| 2. | 01/01/7312/31/81 | AM17465 (NIH) | Gaucher's DiseaseEnzymology and Approach to Therapy |
| 3. | 04/01/7703/31/80 | HL20547 (NIH) | Glycoproteins in Pulmonary Alveolar Proteinosis |
| 4. | 07/01/7706/31/79 | 1530 March of Dimes Basic Science Grant | Gaucher's Disease and Alpha1Antitrypsin Deficiency |
| 5. | 02/01/7501/31/80 | AM00036 (NIH) | R e s e a r c h C a r e e r D e v e l o p m e n t Award (non-renewable) |
| 6. | 06/01/7905/31/81 | Heinz Nutrition Foundation Grant | Lysosomal Enzymes in Protein Malnutrition |

(nonrenewable)

7. 04/01/8003/31/83 AM16915

(NIH)

Alpha 1 Antitrypsin: Structure
and Biosynthesis

- | | | | |
|-----|-------------------|----------------------------------|---|
| 8. | 09/08/8508/30/88 | AI17047 (NIH) | Pathobiology of <u>Legionella micdadei</u> |
| 9. | 09/01/85-08/30/90 | AI-18945 (NIH) | <u>Leishmania donovani</u> Acid Phosphatase |
| 10. | 07/1/87-06/30/92 | AM-31357 (NIH) | β -Glucosidases in Gaucher's Disease |
| 11. | 04/1/93-3/31/96 | (NIH) | Phosphatase as a Virulence Factor in Q Fever |
| 12. | 09/01/93-08/30/05 | NIH/Fogarty International Center | Minority International Research Training-Nigeria |
| 13. | 06/01/06-05/31/08 | NIH (not funded) | Ethnic variation in human milk fatty acid composition in New Mexico |

Seminars, Invited Lectureships

- | | |
|---------|---|
| 1974 | Cold Spring Harbor Symposium on "Proteases and Biological Control" |
| 1974 | Indiana University, Indiana, PA |
| 1974 | Washington University, St. Louis, MO |
| 1974 | Hospital for Sick Children, Toronto, Ontario |
| 1975 | University of Texas, San Antonio, TX |
| 1974 | Society for Complex Carbohydrates, Birmingham, AL |
| 1976 | Department of Chemistry, Youngstown State University |
| 1977 | Department of Pathology, Loyola University School of Medicine |
| 1977 | Department of Pathology, University of Pittsburgh School of Medicine |
| 1978 | Department of Medicine, University of Benin Teaching Hospital, Benin City, Nigeria |
| 1979 | Department of Biology, Johns Hopkins University |
| 1979 | Department of Physiological Chemistry, Johns Hopkins University School of Medicine |
| 1980 | Lecture to Pathology Residents (Univ. of Pittsburgh School of Medicine) on "Lipid Storage Diseases" |
| 1980 | Invited speaker, "Gaucher's Disease: Clinical Review, Biochemical Diagnosis and Current Research" presented at the conference of The Early Diagnosis, Treatment and Prevention of Genetic |
| 06/1980 | Guest lecturer at the University of Benin Teaching Hospital, Benin City, Nigeria. Topics: 1) Lysosomal Hydrolases in Protein Malnutrition, 2) Acid Phosphatases and the Clinical Laboratory, and 3) Gaucher's Disease. |
| 11/1980 | Department of Pathology, the University of West Virginia "The Structure and Function of Alpha 1 Antitrypsin." |

- 11/1980 Invited lecturer to sophomore medical students at the University of West Virginia; "Alpha 1 Antitrypsin Deficiency."
- 06/1981 Speaker at Heinz Nutrition Foundation Symposium at the University of Pittsburgh School of Medicine, "Lysosomal Hydrolases in the Protein Deficient Weanling Rat."
- 07/1981 Speaker at International Symposium on Gaucher's Disease at Mt. Sinai School of Medicine, New York
- 09/1981 Seminar presentation "Biochemistry of Gaucher's Disease" Graduate School of Public Health, University of Pittsburgh
- 03/1983 Department of Pediatrics, University of Texas at Houston "Enzymic Differentiation of Neuropathic and Nonneuropathic Gaucher's Disease."
- 04/1983 Department of Pathology and Biochemistry, University of Louisville, "Biochemical Study of a Case of Type 2 Gaucher's Disease."
- 02/1984 Department of Biochemistry, Penn State University, "Biochemical Differentiation of Nonneurologic and Neurologic Forms of Gaucher's Disease."
- 12/1984 Department of Biochemistry, Penn State University, "The Role of Acid Phosphatase in Leishmaniasis"
- 12/1984 Department of Pediatrics, Magee Woman's Hospital, Pittsburgh, PA, "The Enzymology of Gaucher's Disease."
- 01/1985 Department of Human Genetics, Graduate School of Public Health, University of Pittsburgh, Pittsburgh, PA. "Biochemical Differentiation of Nonneurologic and Neurologic Forms of Gaucher's Disease."
- 02/1985 Department of Biochemistry, West Virginia University, "The Pathophysiologic Role of Leishmania donovani Acid Phosphatase".
- 03/1985 Department of Reproductive Genetics, Magee Womens Hospital, Pittsburgh, PA., "Isolation and Characterization of the Cell Surface Acid Phosphatase of Leishmania donovani."
- 03/1985 Department of Chemistry, Indiana University of Pennsylvania, "The Biochemistry of Leishmaniasis."
- 03/1985 Department of Chemistry, Duquesne University, "Leishmanial Acid Phosphatase Properties and Role in the HostParasite Relationship."
- 04/1985 Department of Biochemistry, University of Texas at San Antonio, "Medicine and Biomedical Education in Nigeria" and "The Biochemistry of Leishmania".
- 05/1985 Department of Pharmacology, University of Pittsburgh School of Medicine, "Inhibitors of Leishmania donovani Acid Phosphatase".
- 05/1985 The Pymatuning Conference: The Department of Biological Sciences, University of Pittsburgh, "Sabbatical to West Africa."
- 05/1985 University of Pittsburgh School of the Health Related Professions, Program in Medical Technology, "The Lysosomal Storage Diseases of Man."
- 05/1985 University of Pittsburgh School of the Health Related Professions, Programs in Medical Technology, "Third World Parasites: the Biochemistry of Leishmaniasis."
- 05/1985 Department of Microbiology, University of Illinois School of Medicine, "Cell Surface Hydrolases in the Leishmania."
- 06/1985 Invited Lecturer, Department of Biological Sciences, University of Pittsburgh, The Pymatuning Conference, "Biochemistry of the Leishmania."
- 12/1985 Department of Pathology, University of South Florida, "Leishmanial Phosphatases Properties and Pathophysiologic Function."

- 05/1986 Department of Pathology, Michigan State University (East Lansing), "Medical Science and Health Problems in Africa".
- 05/1986 College of Medical Sciences, University of Benin Teaching Hospital, Nigeria, "The Biochemistry of Gaucher's Disease".
- 05/1986 Department of Biochemistry, University of Benin, Nigeria, "The Role of Acid Phosphatase in Leishmaniasis".
- 05/1986 Department of Biochemistry, University of Benin, Nigeria, "Properties and Function of Cytosolic, Broadspecificity β Glucosidase".
- 03/1987 International Student Organization, University of Pittsburgh, Medical Education in the Third World".
- 04/1987 University of Pittsburgh, School of Medicine, "The Role of the Medical School in the Demise of American Medicine".
- 05/1987 The Pymatuning Conference: The Department of Biological Sciences, University of Pittsburgh, "The Role of Lysosomal Hydrolases in Lung Lamellar Bodies."
- 09/1987 The NATO Conference in Toulouse, France on Lysosomal Storage Diseases: "The Acidic Lipid Requirement of Glucocerebrosidase."
- 11/1987 Department of Biochemistry, University of Kentucky, "Phosphorylation/Dephosphorylation Reactions in the Host/Parasite Relationship in Leishmaniasis."
- 12/1987 Department of Medicine, University of Pittsburgh School of Medicine, "Legionella Protein Kinase is a Phospholipid Kinase".
- 01/1988 Department of Microbiology and Molecular Biology, Michigan State University, "Properties and Function of Protein Kinase in Leishmania donovani."
- 03/1988 Franklin (PA) Medical Society, "Respiratory Distress Syndrome and the Importance of Lipid Structure to Function."
- 04/1988 Pennsylvania Academy of Sci., Seven Springs, PA, "Integrity in Science."
- 05/1988 Department of Biochemistry, Texas A & M School of Medicine, "A Lysosomal Storage Diseases."
- 09/1988 Department of Biology, Thiel College, Greenville, PA, "The Biochemistry of Lipid Storage Disorders", and "Integrity in Science The Fall from Grace".
- 11/1988 Department of Medical Technology, University of Pittsburgh, School of Health Related Professions, "How Intracellular Parasites Use Host Biochemistry to Disarm Their Host".
- 11/1988 Department of Biology, Gannon College, Erie, PA, "Africa The Land, the People and the Role of the Teaching Hospital"
- 11/1988 Department of Biology, Gannon College, Erie, PA, "Gaucher's Disease A Lipidosis."
- 01/1989 Department of Pediatrics, University of Pittsburgh School of Medicine, "The Metabolic Interrelationship of Fat and Carbohydrate Metabolism A Case of Neonatal Hypoglycemia."
- 03/1989 Division of Medical Genetics, West Penn Hospital, Pittsburgh, PA, "Use of Alcohols and Physiological Amphipaths to Define the Defect in Mutant Glucocerebrosidases in Gaucher's Disease."
- 03/1989 Department of Molecular Biology, Vanderbilt University School of Medicine, "Mammalian β -Glucosidase Isozymes."
- 03/1989 Department of Biology, Vanderbilt University, "Cell Surface Enzymes of the Leishmania."
- 03/1989 Vanderbilt University School of Medicine, "The Nigeria-U.S. Medical Scientist Exchange

- Program."
- 04/1989 Department of Medical Genetics, West Penn Hospital, Pittsburgh, PA, "Beta Glucosidase Isoenzymes and Gaucher's Disease."
- 05/1989 Speaker at Medical Technology Monthly Seminar Series at The University of Texas Health Science Center at San Antonio, Texas, "The Role of Cell Surface Acid Phosphatase and Protein Kinase in the Leishmania Parasite".
- 11/1990 Speaker at Sigma Xi Luncheon Talks.
- 12/1990 Speaker at University Hospital, Univ. of New Mexico Medical Center to Pathology Dept. Laboratory Grand Rounds.
- 12/1990 Speaker at Pediatric Department Retreat, "Interactions of Basic Scientists and Clinicians".
- 01/1991 Speaker at Pediatric Grand Rounds, University of New Mexico-University Hospital, "The Biochemistry of the Stress Response".
- 02/1991 Speaker to the Los Altos Kiwanis Club, "Medical Care in an African Village".
- 02/1991 Speaker for the Nutrition 225 Class, Food, Nutrition and Society, "Nutritional Education in Africa".
- 03/1991 Speaker for the College of Nursing Community Health Nursing class, "Health Care in Africa".
- 04/1991 Presentation and visit to the New Mexico Valencia Campus, "Africa - The Land, the People and their Health Problems".
- 04/1991 Speaker at the New Mexico State Society for Medical Technology and Clinical Laboratory Management Association, "Medicine in Developing Countries".
- 04/1991 Speaker at the Altrusa Club of Albuquerque, New Mexico, "Medicine in Africa".
- 04/1991 Speaker at the Navajo Community College, "Medicine in Africa".
- 04/1991 Toxicology Department, UNM College of Pharmacy, "Structure and Function of Mammalian Beta-Glucosidases".
- 02/1992 Department of Biology, University of New Mexico, "Gaucher's Disease".
- 02/1992 Invited Lecturer, American-African International Collaborative Scientists Symposium, Harare, Zimbabwe, "U.S. - African Biomedical Scientist Exchange Programs".
- 04/1992 Speaker at the New Mexico State Society for Medical Technology and Clinical Laboratory Management Association.
- 04/1992 Invited speaker to the University of New Mexico Nutrition Club on Health and Medical Education in Africa.
- 05/1992 Life Sciences Division Seminar, Los Alamos National Laboratory, New Mexico, "Pathophysiologic Significance of Mammalian β -glucosidases" and "Medicine in Africa - A Nigerian Experience".
- 05/1992 Molecular and Cell Biology Special Seminar at the Oklahoma Medical Research Foundation, Speaker "Medicine and "Medical Education in Africa" and "Comparison of the Structure and Function of Mammalian Beta-Glucosidases".
- 07/1992 Basic Science Enrichment Program, University of New Mexico, "Medicine in Africa".
- 08/1992 Speaker at the Unitarian Church, Albuquerque, N.M. "Medicine in Africa".
- 08/1992 Mentor in the Summer High School Apprentice Program, Albuquerque, N.M.
- 08/1992 Invited speaker for the Unitarian Church Singles, "Medicine in Africa".
- 09/1992 Dean's Hour Lecture, University of Louisville School of Medicine.
- 02/1993 "The Development of a Framework for Research Collaboration", The Fogarty International Center, Washington, DC.
- 03/1993 Invited speaker, Kiwanis Club, "Medicine in Africa".

- 05/1993 Invited speaker, Texas College of Osteopathic Medicine, "Physiological Functions of the β -Glucosidase Family in Gaucher's Disease".
- 05/1993 Invited speaker, Fogarty International Center, Bethesda MD, "Report of the NIH Sub-Saharan Health Research Initiative Workshop".
- 06/1993 Invited speaker, Universidad Autonoma Nacional de Mexico, Mexico City, Mexico, "Medicine in Africa".
- 06/1993 Seminar on Professional Responsibility I, University of New Mexico, Albuquerque, NM, Department of Medicine.
- 09/1993 Invited speaker, University of New Mexico, Albuquerque, NM, Pediatric Grand Rounds, "Gaucher Disease".
- 10/1993 Invited speaker, The Navajo Community College (Shiprock), NM, "Medicine in Africa".
- 10/1993 Invited speaker, The University of Texas at San Antonio, San Antonio, TX, "Medicine in Africa".
- 11/1993 Invited speaker, Preceptorship Program, 14th Annual Ghost Ranch Conference, "Medicine in Africa".
- 04/1994 Invited speaker, Northern New Mexico Community College, "Minority International Research Training Program - Medicine in Africa".
- 05/1994 Invited speaker perinatal Conference "Obstetrics and Neonatal Medical Care in Africa".
- 09/1994 Invited speakers, MIRT Developmental Workshop, Cleveland, Ohio, November 1994.
- 11/1994 Invited speaker, Second Minority International Research Program Network Meeting
- 01/1995 Invited speaker, Lovelace Institute's Seminar Series, "Results from UNM-Africa Exchange Program: From Famine Foods to Rickets".
- 04/1995 Invited speaker, UNM Nutrition Club.
- 09/1997 University of Texas at San Antonio, Division of Life Sciences, Rickets in Africa.
- 09/1997 University of Texas at San Antonio, Division of Life Sciences, Biomedical Research in the Western Sahel.
- 12/1997 UNM-MPH Program, Rickets in Northern Nigeria.
- 02/1998 University of Maiduguri Teaching Hospital, Maiduguri, Nigeria, Use of bone collagen-specific markers in serum to assess the metabolic state of the bone, of post-menopausal women in northern Nigeria.
- 03/1998 Jos University Teaching Hospital, Jos, Nigeria, Fatty acid abnormalities in adults with goiter on the Jos Plateau.
- 03/1998 Jos University Teaching Hospital, Jos, Nigeria, Nutritional content of the milk of Fulani women.
- 03/1998 Jos University Teaching Hospital, Jos, Nigeria, Biochemical assessment of the metabolic state of the bones of pre- and post-menopausal women in northern Nigeria.
Annual meeting of medical departments of Biochemistry, Ixtapa, Mexico. Problem-Oriented Student-Centered Tutorial Teaching of Graduate Students.
- 01/1999 Masters in Public Health Program, University of New Mexico Health Sciences Center, Biochemical and nutritional analysis of the milk of Fulani women in northern Nigeria.
- 01/1999 Epidemiology Seminar, University of New Mexico Health Sciences Center, Differences in Nutrient Content of Human Milk from Different Ethnic Groups of the Western Sahel.
- 03/1999 University of North Texas Health Sciences Center at Forth Worth, Assessment of medical students in a new curriculum.
- 05/1999 Nutrition/Dietetics Program, University of New Mexico, AA comparative study of the nutritional quality of breast milk among different ethnic groups in Nigeria.

06/1999 Association of Nigerian Physicians in the Americas, 5th Annual Conference (Las Vegas, Nevada) The Unexplored Research Potentials of Public Health in Africa.

07/1999 University of New Mexico School of Nursing, The Biochemistry of Human Milk.

03/2003 The 9th Annual Conference Advanced Concepts in Breastfeeding, Albuquerque, NM Importance of Early Nutrition to Growth & Development: Research in Sub-Saharan Desert. Factors Influencing the Fatty Acid composition of Human Milk Lipids.

08/2003 University of New Mexico's "Breastfeeding in a Globalized World" Celebration during World Breastfeeding Week, Albuquerque, NM, Biochemical and Nutritional Aspects of Human Milk: Lessons from Africa

10/2003 University of Texas Medical Branch at Galveston, Department of Pathology: Membrane lipid abnormalities in sickle cell disease in Nigeria.

10/2003 Interview on National Public Radio (NPR), El Paso Chapter, Contemporary Health Issues in Africa.

10/2003 Biochemical and anthropometric assessment of the composition and quality of the membranes of children with sickle cell disease in northern Nigeria. Department of Biology, University of Texas at El Paso.

10/2003 Opportunities for undergraduate students to participate in biomedical and health-related research in Africa. Departments of Chemistry and Biology, University of Texas at El Paso.

4/2004 Trans fatty acids and conjugated fatty acids in the milk of Fulani women. Jos University Teaching Hospital, Jos, Nigeria.

5/2004 The nutrient quality of the milk of Nigerian women. Department of Physics Colloquium, University of New Mexico

2004-2007 Two lectures per year at teaching hospitals in Nigeria on topics related to maternal/child health.

1999-2007 Each year I taught a 35-hour workshop entitled "How to write a manuscript in the biomedical sciences" to 12 Nigerian physicians.

6/2008 Kwame Nkrumah University of Science and Technology (KNUST), Kumasi, Ghana, Department of Biochemistry, "The importance of a manuscript-writing workshop in African universities".

12/2008 Karadiniz Technical University (KTU), Trabzon, Turkey,

1. Department of Biology, "Growth characteristics of infants and young children of the semi-nomadic Fulani of northern Nigeria".
2. Department of Biology, "Integrating gluconeogenesis and fatty acid oxidation".
3. Department of Biochemistry, "opportunities for maternal/child health in Africa".

12/2008 Rize University, Rize, Turkey, "Growth characteristics of infants and young children of the semi-nomadic Fulani of northern Nigeria

03/2009 Annual Retreat Gastroenterology Division, Department of Medicine, School of Medicine, University of New Mexico, From Biafra to New Mexico: Research and Teaching in Nigeria.

- 11/2009 Taiwan lecture at Yuanpei University, Nutrient quality of goat milk
- 11/2010 Taiwan lecture at Yuanpei University, Biomedical research opportunities in Africa
- 03/2011 Hobart lecture at the University of Tasmania, Maternal/child health research in Nigeria
- 03/2011 Launceston lecture at the University of Tasmania on Research and Teaching among the Fulani Cattle Nomads of Northern Nigeria.
- 03/2012 Hobart, and Launceston, Tasmania, Community Lecture on Omega-3 Fatty Acids
- 03/2012 University of Tasmania, Launceston and Hobart campuses. Echoes of Sir William Osler: Lessons for today
- 02/2012 35 Years of Research and Teaching at a Teaching Hospital in Nigeria, Continuing Education Program, University of New Mexico.
- 04/06/2012 Reflections on Three Decades of Scholarly Colaborations in Sub-Saharan Africa, University of Tasmania, Hobart Campus
- 03/15/2012 A Public Lecture: Omega-3 Fatty acids and Health, University of Tasmania-Launceston
- 12/07/2012 A Conversation about Writing, Third Annual Meeting of the UNM Nurses Association
- 1/17/2013 A Conversation about Writing, UNM Department of Pathology, Tricore Reference Laboratories, Albuquerque, NM
- 1/14/2013 Will Riaroxaban Render Warfarin Therapy Obsolete? Surgery Grand Rounds, UNM Department of Surgery
- 2/05/2013 Diversity: Does it matter and how can it be achieved? Office of Diversity, University of New Mexico Health Sciences Center.

Journals Refereed

Journal of Biological Chemistry
 Medicine
 Archives of Biochemistry and Biophysics
 Analytical Biochemistry
 Journal of Neurochemistry
 The Journal of Laboratory and Clinical Medicine

Journal of Clinical Investigation
Journal of Neuropathology and Experimental Neurology
Journal of the American Medical Association
Clinica Chimica Acta
Enzyme
Lipids
Life Sciences
Molecular Biochemistry Parasitology
Laboratory Investigation
Nutrition Research
Journal of Protozoology
Experimental Parasitology
Science
Biochemistry
Biotechnology Progress
Journal of Food Composition and Analysis
Journal of Tropical Pediatrics
Journal of American College Health
Journal of the American Dietetic Association
Journal of the National Medical Association
Clinical Biochemistry
Biochemistry and Molecular Biology Education
Neurosciences Letters
African Journal of Agriculture
Highlands Medical Research Journal
Plant Foods for Human Nutrition
Clinical and Experimental Medicine
Journal of Medicine in the Tropics
Journal of Pediatric Biochemistry (editorial board)
Food and Chemical Toxicology
Acta Paediatrica
Pakistan Journal of Scientific and Industrial Research

Books Reviewed:

1992 Applied Biochemistry of Clinical Disorders, by Dr. Alan Gornall, Oxford University Press.

Extramural Grant Reviewing

1. Member of Review Panel for the National Heart and Lung Institute, Contract Proposals on "Composition of Respiratory Mucous," 1976.
2. National Institutes of Health Advisor, Ad Hoc member of to Physiological Chemistry Study Section, 197677 and 197778.
3. Grant Reviewer for the National Foundation March of Dimes, 1974-1990.
4. Member of Review Panel for the National Heart and Lung Institute, "Studies on the Control and Differentiation of MucousProducing Cells," 1977.
5. Member of Review Panel for the National Heart and Lung Institute "Bronchial Secretions: Physical and Chemical Studies," 1977.
6. Grant Reviewer for proposed project entitled, "Biochemistry and Nutrition of Lipids of Agricultural Origin," for the Texas Agricultural Experiment Station, Texas A and M University, 1977.
7. Consultant, NIH Metabolism Study Section, 1978.
8. Mental Retardation Research Committee, National Institutes of Child Health and Development, Site Visit team to the Kennedy Center and the Johns Hopkins University, School of Medicine, February, 1980.
9. Grant Reviewer for United StatesIsrael Binational Science Foundation, 1979present.
10. Ad hoc member, NIH Pathobiology Study Section, 1980 and 1981.
11. Grant reviewer for The Medical Research Council of Canada, 1981present.
12. National Institutes of Health, Pathobiological Chemistry Study Section, 19811985; Chairperson, 1985.
13. Member of the Subcommittee who assisted the HRSF Health Projects Committee, Pittsburgh, in its Evaluation of Grant Applications, 19821986.
14. Special sitevisitor for NIH Pathobiology Study Section, January 9, 1985.
15. National Science Foundation, Grant Reviewer, 1981present.
16. *Ad hoc* member, NIH Biochemistry Study Section, 1987.
17. Grant reviewer for the Thrasher Research Fund (Utah), 1988.
18. *Ad hoc* member, NIH Pathobiology Study Section, February 23, 1989.

19. The Israel Science Foundation, 1993.
20. Medical Research Council of Canada, 1993.

PROFESSIONAL ACTIVITIES

Teaching: Courses taught

University of Pittsburgh:

Biochemistry 211, General Biochemistry for Graduate Students
Biochemistry 212, General Biochemistry for Graduate Student
(Lipids Structure, Function, Biosynthesis)
Biochemistry 240, Medical Biochemistry
Biochemistry 341, Advanced Topics Cell Surfaces
Continuing Education, The Biochemical Basis of Disease
Molecular Pathology (Department of Pathology)
The Biochemical Basis of Nutrition
The Biochemical Basis of Disease (2 credit elective)

University of New Mexico:

Basic Medical Biochemistry
Biochemistry 445, Introduction to Biochemistry
Biochemistry 446, Comprehensive Metabolism (5 credits)
Biomedical Sciences 505, How to Write a Scientific Paper (2- credit elective)
GI/Nutrition and Renal/Endocrine Blocks - 12 weeks of tutoring and lecturing
Lecturer in the Reproduction, Molecular Genetics and GI/Nutrition Blocks
BIOMED 505, "How to write a manuscript in the biomedical sciences"
Human Metabolism for Surgery Residents

In Nigeria:

Jos_University Teaching Hospital: How to Write a Manuscript in the Biomedical Sciences
Federal Medical Center-Gombe: The manuscript writing course

University and Medical School Service

Student National Medical Association, Dean's representative to annual meeting in New Orleans, LA,
1975.

Member of the Admissions Committee, School of Medicine, 1974-1976.

Lecturer, Continuing Education Program, University of Pittsburgh School of Medicine, "The Biochemical Basis of Disease."

Invited speaker, Fayette County Mental Health Program Outreach to Children and Their Families, June, 1975, Uniontown, Pennsylvania, on "Genetics and Birth Defects."

Invited speaker, Licensed Practical Nurses Vocational Education Program, June, 1975, Waynesburg, Pennsylvania, on "Genetic Counseling."

Scholarship Committee, Pittsburgh Chapter of the National Foundation, March of Dimes, 1974 to present.

Steering Committee, High School Medical Science Convocation, sponsored by the National Foundation, March of Dimes, 1975.

Representative of the National Foundation, March of Dimes to the 1975 Pittsburgh Black Solidarity Fair held at the Civic Arena, Pittsburgh, PA.

External reviewer, Ph.D. Thesis of Mr. James Chambers, University of Texas at San Antonio, Texas, August, 1975.

Reviewer of research grant applications for the Dean's Fund, 1975.

External examiner, proposed Ph.D. Program in Neurobiology at the University of Texas at San Antonio, May 1989.

Diagnostic tests for Gaucher's disease. β Glucosidase assays are conducted the first week of each month. In addition, my laboratory has performed serum alpha1antitrypsin assays upon request from Children's Hospital and the Western Psychiatric Institute and Clinic. From 1970-1989, I have assisted Dr. Warren Diven in establishing a biochemical screening laboratory for 1215 storage diseases.

Member of the Animal Care Committee of the School of Medicine, 1975-1978.

March of Dimes Service Award 1975, 1976, 1977, 1982, 1984, and 1987.

Codirector, Summer Research Scholar Program for Minority Premedical Students, The Health Center, University of Pittsburgh, 1977-present.

Student National Medical Association (SNMA) Pittsburgh Chapter 1978 Service Award. Black Bag.

Member, Selfstudy committee to survey and review the Department of Community Medicine, 1979-1980.

Minority Recruitor to: Georgetown University School of Medicine, 1979.

Chairman, Ad Hoc Committee to consider the appointment of Dr. Jeffrey F. McKelvy, 1979.

Minority Recruiting Seminar, Urban Youth Action, Inc., Pittsburgh, PA, 1979.

Lecturer, Human Genetics, Department of Biological Sciences, University of Pittsburgh, 1978.

Member of the Dean's Committee to Evaluate Teaching in The Medical School, 1978.

Lecturer, Basic Science Course for Residents in the Department of Medicine, 1978.

Member, Ad Hoc Committee to consider the promotion of Dr. Charles Litz, 1979.

Member, Ad Hoc Committee to consider the promotion of Duane G. Spiker, 1980.

Director, The Pittsburgh West Africa (Nigeria) Medical Scientist Summer Exchange Program, 1978-1990.

Community Service Award University of Pittsburgh Transcendental Meditation Society, March, 1980.

Member, Dean's study group on B.S.M.D. program, March-June, 1983.

Member, Dean's Advisory Group in the Evaluation of Teachers in Basic Science Departments, 1983.

Member of the Physician's Education Program Study Group of the American Association of Medical Colleges, 1983-1984.

Medical Student Retention Committee, 1982-present.

Member, Research Grants Review Committee for Magee Womens Hospital, 1984.

Member, Dickson Prize/Mellon Lecturer Committee, 1985-1986.

Interviewer, The Admissions Committee for the School of Medicine, 1973-1977 and 1984-present.

Fund Raiser, University of Pittsburgh Pitt's Internal Campaign, 1984 to present.

Member, Ad Hoc Committee to consider the promotion of Krishna Narasimhan, 1985.

Lecturer, Summer Prematriculation Program for Minority Medical Students; 1984, 1985, and 1986.

Member, Budget Policies Committee of the Faculty Senate of the University of Pittsburgh, 1986-present; Secretary, 1988 and 1989.

Mentor for Summer Scholar in the Public Health Career Opportunity Program (PHCOP), 1986.

Member of the Program Committee, The Carroll F. Reynolds Historical Society, University of Pittsburgh, 1986-present.

Participant in the Student/Faculty Advising Program of the School of Medicine, 1986 present.

Member, Faculty Standing Committee to Monitor and Review Promotions in the School of Medicine, 1987 present.

Participant in the Summer Academic Enrichment Program of the UNM School of Medicine, 1989.

Participant in the PCC Individual Process Assessment (IPA) of the UNM School of Medicine, 1990.

Appointment to the Medical Student Research Committee of the UNM School of Medicine, 1990.

Participant in reviewing abstracts for Student Research Day at the UNM School of Medicine, 1990.

Participant in Revising the 4th Year UNM Neurology Clinical Clerkship, 11-26-90.

Individual Process Assessment Evaluator with IPAs - Dec. 13, 1990.

UNM School of Medicine, PCC Individual Process Assessment, October, 1990.

UNM-SOM Motivational Workshop Program, May 21-May 25 1990.

Participant in the Robert Wood Johnson Foundation UNM-SOM Site Visit, June 1990.

Invited Speaker at the University of New Mexico Pediatric Department Retreat, January 1, 1991.

Member, UNM Uncertainty in Medicine Committee, March 5, 1991.

Member, Advisory Committee for the UNM Office of Continuing Medical Education, May 6, 1991.

Primary Care Curriculum, SOM, Albuquerque, New Mexico, PCC Individual Process Assessment (IPA).

RWJ In-Depth Experience Planning Committee, 1991-present.

RWJ Integrating Committee, 1991-present.

Member UNM Cancer Center Construction Committee, 1991-1992.

Guest speaker, Annual Faculty Retreat, January 8, 1992, Department of Pediatrics.
Seminar on Professional Responsibility, June 1991-1992.

Cancer Center Expansion Implementation Planning Committee, 1992-1993.

Pathology Chairperson Search Committee, 1992-1993.

Biomedical Research Institute of New Mexico Board of Directors, 1993-Present.

Faculty Senate General Honors Council, 1993 - 1996.

Participant, Continuing Medical Education Advisory Committee, 1991-1995

Member, Molecular and Cell Biology Task Force 1992.

Member, Association of Medical and Graduate Department of Biochemistry, Jan. 1995.

Circuit rider to the Crownpoint Indian Hospital (Crownpoint, NM) for first year medical students during the Practical Immersion Experience (PIE).

Director of the Minority International Research Training Program funded by the Fogarty International Center of the National Institutes of Health.

March 13, 1998, Committee on International Programs and Studies. Program directors met to exchange ideas and set guidelines for University-sponsored international programs.

SOM Medical Student Research Committee, 1990-2007.

PIE circuit rider to the Crownpoint Indian Hospital, Crownpoint, NM, 1990-2000.

UHTEP Advisory Committee

Mentor UNM Task Force to Study Student Life.

SOM Tutorial Narrative Review Committee

UNM Faculty Senate, 2004-2007

Community Service

Participant, Careers Information Day Program, Second Baptist Church, Beaver Falls, PA, 1979.

Member of the Board, the National Foundation March of Dimes, Western Pennsylvania Chapter, 1980-present

Medical Advisor to the National Foundation March of Dimes, 1980-present.

Guest Speaker, Beaver County Chapter of the National Foundation March of Dimes. Mother's March Campaign, October, 1981.

Member of the Health Research and Services Foundation Health Projects Review Committee, 1981-present.

Member of the BioMedical Science and Technology Advisory Committee of the Pittsburgh Public School System, 1982-present.

Chairman of the Pat Lyon Health Careers Scholarship Committee (1983-present).

Member of the M.O.D. Steering Committee on "Good Health is Good Business", 1983.

Speaker to pregnant working women at the Heinz Corporation on "Drugs, Alcohol, Smoking, and Pregnancy", 1983.

Member of the Westinghouse Science Talent Search Committee, 1983.

Member of the M.O.D. Steering Committee for "Black Infant Mortality in Pittsburgh", 1984-1985.

Fund raiser, March of Dimes National Telethon Against Birth Defects; 198-1986.

Volunteer Speakers Program Training Sessions, Magee Womens Hospital, "Genetics, Drugs and Alcohol", November, 1984.

Guest lecturer to the Advanced Placement Biology Class at Taylor Alderdice High School, March, 1985.

Invited speaker, Senior Science class at Quaker Valley High School, March, 1985.

Guest lecturer, Schenley High School, in Pittsburgh, May, 1985.

Speaker to employees at Kaufmann's on "Drugs, Alcohol, Smoking and Pregnancy," September, 1985.

Member, "Mayor's Consortium to Improve Pregnancy Outcome," 1985-1986.

Guest lecturer, Penn State Continuing Education Program in Oil City, PA on "A Healthy Pregnancy What You Can Do", March 22, 1986.

Member, American Society of Biology and Molecular Biology (ASBMB), Committee on Equal Opportunities for Women, 1987-1988.

Achievement Award from the Children's Council of Western Pennsylvania, for volunteer work regarding child welfare and related issues, 1988.

Member, UN/YMCA Task Forces for the Pittsburgh Africa Focus Project Consultation, December 13, 1988

Judge for 40th International Science and Engineering Fair, Biochemistry Section, Pittsburgh, May 5, 1989.

Representative, University of New Mexico Faculty Senate, 1991-1993.

Member, Robert Wood Johnson Task Force, 1991.

Hosting a group of Belen High School science students for "Career Day".

Speaker at the La Vida Llana Retirement Center, Albuquerque, "Medicine in Africa" September, 1990.

Member, UNM Committee of Studies, 1992.

"Finding a Major - 1991, 1992, and 1993" Exposition, University College, University of New Mexico.

Member, Cancer Center Construction Committee, December, 1991-1993.

Evaluator, PCC Individual Process Assessment (IPA), 1990-1993.

Albuquerque High School student tour, University of New Mexico, School of Medicine, March 28, 1992.

Career Enrichment Center, New Mexico Academy of Science 31st Visiting Scientist Program, November 18, 1992.

Albuquerque Academy, New Mexico Academy of Science 31st Visiting Scientist Program, December 1992.

Thoreau High School, New Mexico Academy of Science 31st Visiting Scientist Program, November 1993, "Medicine in Africa".

Invited speaker, Indiana University School of Medicine 1st Annual PBL Conference, December, 1994.

Sandia Preparatory School, New Mexico Academy of Science 33rd Visiting Scientist Program, October 1994. Medicine in Africa.

Seminar speaker, Race and Ethnic Studies Institute November 1994.

Volunteer at the Albuquerque Retarded Citizens Association (ARCA).

Lectured June 1997 on Medicine in Africa at the Highland Baptist Church, Albuquerque.

Lectured to 120 5th grade students at the Eagle Ridge Middle School, Rio Rancho, NM, November 11, 1997. Topic: The People and Geography of Africa.

Lectured May 1997 to the History Class at Sandia High School on Health and Disease in Africa.

Lectured June 1997 to the Biology Class at TVI Community College, Albuquerque on Medical Research in Africa.

Lectured April 23, 1998 to the advanced chemistry class at Sandia Prep, Albuquerque on Medical Research in Africa.

Service on M.S. and Ph.D. Thesis Committees:

Ph.D.

Mark Kuhlenschmidt

Nancy Hynes

Bernd Groner

Thomas Frielle

Roland T. Onawola (School of Education)

Samuel Turco
Patricia Stafford
Stephen P. Peters
Rhona Stein
Jackson Wright
Mark Bolinowski
Raymond Ebert
Stephanie Shanblatt
Kathy Mofitt
Inez Serventi
Martin Oakes
Barbara Butcher
David Nemeth (Chemistry)
Cary Wu
Benny Askew (Chemistry)
Douglas Robinson
David Hobbs
Frederick Thurmond
Ping Lin
Kevin Laubscher
Susan M. Krisinski
Melissa Knight
Leo Giambarresi

Elizabeth Krall (School of Public Health)
Katherine Rand ((Department of Biology)
George Clokey
John Mpi (School of Education)
Lydia B. Daniels
Alakananda Basu
Karen LaMarco
Alan Remaley
Elizabeth Prence
Brian Stearn
Farrell Melnick (Duquesne University)
Mark Hanson
Judy Drazba
Julia Frei (Michigan State University)
Paul Collodi
Earl Goyart
David Paris (Chemistry)
Manny Varela
Kurt Morgenstern
Damian Kraus
Douglas Kohn
Adam Aragon
William Hays
Jeffrey Dahlen
Ran Lu (Chemistry)
Min Wae (Chemistry)
Ross Potter

M.S.

R. Robert Miller
Christopher Petrosky
Patrick Coyle
Kelly LaMarco
Lania Madden
Sarah Anzik
Karen Romero
Grace Nadell
Rebecca Cooper
Joseph DePetro
Robert Kushner
Michelle Ratliff

José Torres
John Scariano
Chadi Bou-Serhal

Mentor to Medical Student Summer Scholars at UNM (some examples from a list of about 20)

Clare Meysenburg University of New Mexico, School of Medicine
Robert Irwin University of New Mexico, School of Medicine

Elizabeth Carder University of New Mexico, School of Medicine
Steven Macko University of New Mexico, School of Medicine

Mentor to Minority Access to Research Careers (MARC) students at UNM (examples from a list of 16):

| | | |
|------------------|----------------|--------------|
| Delvin Yazzi | Lorenzo Sena | Oscar Penate |
| Paul Eddins | Elizabeth Baca | |
| Cassandra Barney | Marti Morales | |
| David Luna | Lisa Romero | |

Mentor to UNM Undergraduates Doing Honors Research at UNM:

| | | |
|------------------|------------------|--------------------|
| Julia Cook | Leslie Reeves | Kendell Rogers |
| Carla Churchwell | Barbara Schmeits | Erin Knox |
| Carol Freiburger | Trang Vu | Angela Costanza |
| Susanne DeLea | Jennifer Cantu | Shree Chanchani |
| Rocio Corona | Leah Damiani | Gregory Fernandez |
| Tamara Goodman | Amena Ishak | Jennifer Maito |
| Deborah Martin | Carlos Martinez | Patricia Rodriguez |
| Veronica Torres | Daniel Duhigg | |

Mentor to Medical Student Researchers at UNM (examples from a list of about 100)

| | | |
|------------------|--------------------|---------------------|
| Elizabeth Carder | David Jackson | Chris Arndt |
| Kate Barnard | Tony Harrison | Jose Torres |
| Ali Chandani | Sandra Tatro | Vicente Torres |
| Victor Ulibarri | Kirsa Frida | Susan Smith |
| Jaimie Shores | William Hays | Tamara Goodman |
| Carlos Martinez | Patricia Rodrigues | Brea Bond |
| Diane Fernandez | Hugh Brock | Zachary Goldman |
| Thomas Russell | Simon Livingstone | Kristin Livingstone |
| Sarat Ganga | Darcy Constans | Dustin Cole |
| Lee Sharma | Tove Isaacson | Jocelyn Elliott |
| Albert Meier | | |

Undergraduate students from the U.S. Southwest mentored in Africa: the total number of students mentored in Nigeria, Niger, and Zimbabwe from 1992-present is 160 (too numerous to enumerate by name).

Present and Past Collaborations:

| | |
|-------------------|------------------------------------|
| Victor Huang, PhD | Ross Laboratories, Columbus, OH |
| Andrew Tsin, PhD | University of Texas at San Antonio |
| Mark Millson, MS | NIOSH Laboratories, Cincinnati, OH |
| Donald Fry, MD | Dept. of Surgery, UNM-SOM |
| Don Morris, Ph.D | Dept. of Surgery, UNM-SOM |

| | |
|--------------------------|--|
| David Johnson, MD | Dept. of Medicine, UNM-SOM |
| Bruce Hollis, MD | Dept. of Pediatrics, University of South Carolina SOM |
| Pradip Datta, PhD | Chiron, Inc (Walpole, MA) |
| Richard Baumgartner, PhD | Dept. of Family and Community Medicine, UNM-SOM |
| Dorothy VanderJagt, PhD | Dept. of Biochemistry and Molecular Biology, UNM-SOM |
| Amos Bassi, MD | Dept. of Family Practice, University of Maiduguri (Nigeria) |
| Selina Okolo, MD | Dept. of Paediatrics, Jos University Teaching Hospital (Nigeria) |
| Innocent Ujah, MD | Dept. of Obs/Gynae, University of Maiduguri (Nigeria) |
| Malfaze Mandong, MD | Dept. of Pathology, Jos University Teaching Hospital (Nigeria) |
| Dan Iya, MD | Dept. of Surgery, Jos University Teaching Hospital (Nigeria) |
| A. El-Nafaty, MD | Dept. of Obs/Gyn, Federd Hospital Gombe, Nigeria |
| William Lambert, PhD | University of Oregon |
| Carol Conn, PhD | Dept. of Nutrition, School of Education |
| David Treeson, MD | Dept. of Medicine, UNM-SOM |
| Floyd Frost, PhD | The Lovelace Pulmonary Research Center |
| Joseph Herbein, PhD | Virginia Military Institute, Blacksburg, VA |
| Eugene Ikeh, PhD | Jos University Teaching Hospital |
| Tom Thacher, MD/PhD | “ |
| Okeke, Edith, MD | “ |
| Michael Obadofin, MD | “ |
| Princewell-Stanley, MD | |
| Philip Laabes, MD | |
| Stanley Handmaker, MD | Department of Pediatrics, UNM-SOM |