

CURRICULUM VITAE

1. Date: June 2008

I. PERSONAL

2. Name: Jennifer B. Marks
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Address: 1450 NW 10 Ave., Miami, FL. 33136
5. Home Address: 901 Brickell Key Boulevard #707, Miami, Florida 33131
6. Current Academic Rank: Professor
- 6a. Current Track of Appointment: Clinical Educator
7. Primary Department: Medicine
8. Secondary or joint appointments: Section Chief, Endocrinology, Diabetes & Metabolism, and Medical Director, Diabetes Management Program, VA Medical Center, Miami, FL
9. Citizenship: USA
10. Visa Type: N/A

II. HIGHER EDUCATION

11. Institutional:

University of Southern Maine, Portland, ME.; Magna cum laude, B.S., Nursing, 1974
University of Miami School of Nursing, Advanced Registered Nurse Practitioner, 1978
University of Miami School of Medicine, Miami, FL; M.D., 1984

12. Non-institutional:

Jackson Memorial Hospital, Miami FL:

1984-1985 Intern, Internal Medicine
1985-1987 Resident, Internal Medicine
1987-1988 Chief Resident, Internal Medicine
1988-1989 Clinical Fellow, Endocrinology, Diabetes and Metabolism
1989-1990 Research and Clinical Fellow, Endocrinology, Diabetes, Metabolism; Behavioral Medicine
1989-1991 Recipient, HRS Training Grant, NIH

13. Certification, licensure:

1985	Diplomate, National Board of Medical Examiners
1987	Diplomate, American Board of Internal Medicine
1991, 2001	Diplomate, Subspecialty Board in Endocrinology, Diabetes, and Metabolism
1997	Certified Diabetes Educator
1988	FL Board of Medicine License Number ME 0049724 Exp. 1/31/2010

III. EXPERIENCE

14. Academic:

University of Miami School of Medicine:

6/87-6/88	Clinical Instructor, Department of Medicine
7/90-5/91	Instructor, Department of Medicine, Division of Endocrinology, Diabetes, and Metabolism

6/91-5/96	Assistant Professor of Clinical Medicine, Department of Medicine, Division of Endocrinology, Diabetes, and Metabolism
11/92-6/00	Assistant Director of Clinical Research, Behavioral Medicine Research Center
6/96-6/04	Associate Professor of Clinical Medicine, Department of Medicine, Division of Endocrinology, Diabetes, and Metabolism
1/98-present	Medical Director, Weight Intervention Program
1/00-9/00	Director (Interim), Diabetes Section, Division of Diabetes, Endocrinology, & Metabolism, Department of Medicine
6/00-12/00	Chief (acting), Endocrinology, Diabetes & Metabolism Section, VA Medical Center
12/00-present	Section Chief, Endocrinology, Diabetes & Metabolism, VA Medical Center Medical Director, Diabetes Management Program, VA Medical Center
6/04-present	Professor of Clinical Medicine, Department of Medicine, Division of Endocrinology, Diabetes, and Metabolism
9/04-present	Interim Chief, Division of Endocrinology, Diabetes, and Metabolism
6/06-present	Director, J. Maxwell McKenzie Fellowship Training Program in Diabetes, Endocrinology, and Metabolism

15. Hospital appointments:

1988, 1990-present	Jackson Memorial Hospital Attending Physician
1990-present	VA Medical Center Attending Physician
2000-present	Section Chief, Endocrinology, Diabetes & Metabolism, VA Medical Center
1990-present	University of Miami Hospital and Clinics Attending Physician

16. Non-Academic: NONE

17. MILITARY: NONE

IV. PUBLICATIONS

18. Books, chapters, and monographs published:

Marks JB. Overview of Diabetes Mellitus. In Llorente & Malphurs, editors. *Psychiatric Disorders and Diabetes*

Mellitus, Informa Healthcare, 2007, pp1-16.

Florez H, Marks JB. Oral Agents and Insulin in Care of Older Adults with Diabetes. In Lipsitz & Munshi, Editors, *Geriatric Diabetes*, 2007, pp.

Marks JB. The Role of Glycemia in Cardiovascular Risk. (monograph) QD Healthcare Group, Greenwich, CT, 2003; pp. 1-17.

Marks JB, Skyler JS. The Liver and the Endocrine System. In: *Schiff's Diseases of the Liver*. Schiff, Sorrell, and Maddrey, editors, Ninth edition, Lippincott Raven Publishers, Philadelphia, 2003, pp. 529-542.

Skyler JS, Pugliese A, Bernal C, **Marks, JB**. Prevention of Type 1 Diabetes. In: *The Epidemiology of Diabetes Mellitus: An International Perspective*. Ekoe, Zimmet, and Williams, editors, John Wiley & Sons

Publishers, Ltd, Chichester, England, 2001, pp. 31-40.

Romaine DS, **Marks JB**. Syndrome X: Managing Insulin Resistance. Harper Torch Publishers, New York, NY, 2000, pp. 1-214.

Marks JB, Skyler JS. The Liver and the Endocrine System. In: *Schiff's Diseases of the Liver*. Schiff, Sorrell, and Maddrey, editors, Eighth edition, Lippincott Raven Publishers, Philadelphia, 1998, pp. 477-488.

Marks JB. Glycosylated hemoglobin: Its meaning and use in patients with type 2 diabetes. (monograph) *Mediguide to Diabetes* 4:3;1997, pp. 1-6.

Marks JB and Hirsch IB. Surgery and Diabetes Mellitus. In: *Current Therapy of Diabetes Mellitus*. RA DeFronzo, editor, B.C. Decker Inc., 1997, pp. 247-254.

Skyler JS and **Marks JB**. Immune Intervention. In: *Diabetes Mellitus: A Fundamental and Clinical Text*. D LeRoith, SI Taylor, JM Olefsky, editors, Lippincott-Raven Publishers, Philadelphia; 1996, pp. 402-408.

Skyler JS and **Marks JB**. Future Approaches to Prevention. In: *Prediction, Prevention, and Genetic Counseling in IDDM*. JP Palmer, editor, John Wiley & Sons Publishers, Chichester, 1996, pp. 369-389.

Marks JB and Skyler JS. Acute Complications of Diabetes: Diabetic Ketoacidosis and Hyperosmolar Hyperglycemic Nonketotic Coma. In: *Medicine for the Practicing Physician*. Hurst JW, editor, Fourth edition, Butterworth-Heinemann Publishers, Boston, 1996, pp. 639-643.

Skyler JS and **Marks JB**. Type I (Insulin-Dependent) Diabetes Mellitus. In: *Medicine for the Practicing Physician* Hurst JW, editor, Fourth edition, Butterworth-Heinemann Publishers, Boston, 1996, pp. 628-635.

in Skyler JS, **Marks JB**, O'Sullivan MJ. Diabetes Mellitus: Prevention & Immunotherapy. In *Diabetes Mellitus in Pregnancy: Principles & Practice*, E.A. Reece and D.R. Coustan, editors, 2nd edition, Churchill Livingstone Publishers, New York, 1995, pp. 27-34.

Marks JB and Skyler JS. Acute Complications of Diabetes (Ketoacidosis and Hyperosmolar Coma). In: *Medicine for the Practicing Physician*. Hurst JW, ed., Third edition, Butterworth Publishers, Stoneham MA, 1992, pp. 582-588.

Skyler JS and **Marks JB**. Insulin Dependent (Type I) Diabetes Mellitus. In: *Medicine for the Practicing Physician*. Hurst JW, ed., Third edition, Butterworth Publishers, Stoneham MA, 1992, pp. 592-596.

Skyler JS, **Marks JB**, Thompson NE, Fili MD, Schneiderman N. Insulin Sensitivity and Blood Pressure. In: *Stress and Disease Processes: Perspectives in Behavioral Medicine*. Schneiderman N, McCabe PM, Baum A, editors, Lawrence Erlbaum Associates, Inc., Hillsdale, NJ, 1992, pp. 197-223.

Antoni MH, Schneiderman N, LaPerriere A, O'Sullivan MJ, **Marks JB**, Efantis J, Skyler JS, Fletcher MA. Mothers with AIDS. In: *Living and Dying with AIDS*. Ahmed Paul I, editor. Plenum Publishing Corp, 1992, pp. 47-85.

Skyler JS, Donahue RP, **Marks JB**, Thompson NE, Schneiderman N. Insulin: A Determinant of Blood Pressure? In: *Personality, Elevated Blood Pressure, and Essential Hypertension*. Johnson EH, Doyle GW, Stevo J, editors, Hemisphere, Taylor, and Francis, 1992, pp. 257-281.

19. Juried or refereed journal articles, exhibitions:

Publications by the Diabetes Prevention Trial –Type 1 Study Group:

Diabetes Prevention Trial - Type 1 Diabetes Study Group. Effects of Oral Insulin in Relatives of Patients with Type 1 Diabetes Mellitus. *Diabetes Care*. 2005;28:1068-1076.

Redondo MJ, Fain PR, Krischer JP, Yu L, Cuthbertson D, Winter WE, Eisenbarth GS; on behalf of the DPT-1 Study Group. Expression of beta-cell autoimmunity does not differ between potential dizygotic twins and siblings of patients with type 1 diabetes. *Journal of Autoimmunity* 2004; 23:275-279.

Krischer JP, Cuthbertson DD, Greenbaum C; Diabetes Prevention Trial-Type 1 Study Group. Male sex increases the risk of autoimmunity but not type 1 diabetes. *Diabetes Care* 2004; 27:1985-1990.

Krischer JP, Cuthbertson DD, Yu L, Orban T, Maclaren N, Jackson R, Winter WE, Schatz DA, Palmer J, Eisenbarth GS, and The Diabetes Prevention Trial–Type 1 Study Group. Screening strategies for the identification of multiple antibody positive individuals. *J Clin Endocrinol Metab* 2003; 88:103-108.

Yu L, Cuthbertson DD, Eisenbarth GS, Krischer JP, DPT-1 Participating Investigators. Diabetes Prevention Trial 1: Prevalence of GAD and ICA512 (IA-2) autoantibodies by relationship to proband. *Annals of the New York Academy of Sciences* 2002; 958:254-258.

The Diabetes Prevention Trial–Type 1 Study Group. Effects of insulin in relatives of patients with type 1 diabetes. *NEJM* 2002;346:1685-1691.

Greenbaum CJ, Cuthbertson D, Krischer JP, and the Diabetes Prevention Trial of Type 1 Diabetes Study Group. Type 1 diabetes manifested solely by 2-h oral glucose tolerance test criteria. *Diabetes* 2001; 50:470-476.

Chase HP, Cuthbertson DD, Dolan LM, Kaufman F, Krischer JP, Schatz DA, White NH, Wilson DM, Wolfsdorf J, the Diabetes Prevention Trial–Type 1 Study Group. First-phase insulin release during the intravenous glucose tolerance test as a risk factor for type 1 diabetes. *J Peds* 2001; 138:244-249.

- Yu L, Cuthbertson DD, Maclaren N, Jackson R, Palmer JP, Orban T, Eisenbarth GS, Krischer JP, DPT-1 Participating Investigators. Expression of GAD65 and islet cell antibody (ICA512) autoantibodies among cytoplasmic ICA+ relatives is associated with eligibility for the Diabetes Prevention Trial-Type 1. *Diabetes* 2001; 50:1735-1740.
- Greenbaum CJ, Schatz DA, Cuthbertson D, Zeidler A, Eisenbarth GS, Krischer JP, the Diabetes Prevention Trial-Type 1 Study Group. Islet cell antibody-positive relatives with human leukocyte antigen DQA1*0102, DQB1*0602: Identification by the Diabetes Prevention Trial-Type 1. *J Clin Endo Metab* 2000; 85:1255-1260.
- DPT-1 Study Group. The Diabetes Prevention Trial-Type 1 Diabetes (DPT-1): Implementation of Screening and Staging of Relatives. *Transplantation Proceedings* 1995; 27: 3377.

Publications by the Inhaled Insulin Study Group:

- Skyler JS, Weinstock RS, Raskin P, Yale JF, Barrett E, Gerich JE, Gerstein HC, for the Inhaled Insulin Phase III Type 1 Diabetes Study Group. Use of inhaled insulin in a basal/bolus insulin regimen in type 1 diabetic subjects: a 6-month, randomized, comparative trial. *Diabetes Care* 2005; 28: 1630-1635.
- Skyler JS, Cefalu WT, Kourides IA, Landschulz WH, Balagtas CC, Cheng S-L, Gelfand RA, for The Inhaled Insulin Phase II Study Group. Efficacy of inhaled human insulin in type 1 diabetes mellitus: A randomised proof-of-concept study. *Lancet* 2001; 357:331-335.
- Cefalu WT, Skyler JS, Kourides IA, Landschulz WH, Balagtas CC, Cheng S-L, Gelfand RA, for The Inhaled Insulin Phase II Study Group. Inhaled human insulin treatment of patients with type 2 diabetes mellitus. *Ann Intern Med* 2001; 134:203-207.

Publications by the Veteran's Affairs Diabetes Trial (VADT) Study Group:

- Duckworth W, McCarren M, Abaira C., VADT investigators, Control of Cardiovascular Risk Factors in the VA Diabetes Trial in Advanced Diabetes 2 (VADT). *Endocrine Practice* 2006;12 (Sup 1): 85-88.
- Pitale S, Kernan-Schroeder D, Emanuele N, Sawin C, Sacks J, Abaira C, and the VACSDM Study Group. Health-related quality of life in the VA Feasibility Study on glycemic control and complications in Type 2 diabetes mellitus. *J Diab Compl.* 2005;19;183-246.
- Emanuele N, Sacks G, Klein R, Reda D, Anderson R, Duckworth W, Abaira C for the Veterans Affairs Diabetes Trial Group. Ethnicity, race, and baseline retinopathy correlates in the Veterans Affairs Diabetes Trial. *Diabetes Care* 2005;28:1954-1958.
- Reaven PD, Sacks J, Investigators for the VADT: Coronary artery and abdominal aortic calcification are associated with cardiovascular disease in type 2 diabetes. *Diabetologia*, 2005;48:379-385.
- Abaira C, Duckworth W, McCarren M, Emanuele N, Arca D, Reda D, Henderson W for the participants of the VA cooperative study on glycemic control and complications in diabetes mellitus type 2. Design of the cooperative study on glycemic control and complications in diabetes mellitus type 2 Veterans Affairs Diabetes Trial. *J Diab Compl.* 2003;17;314-322.

Other publications:

- Marks JB.** Addressing End-of-Life Issues. *Clinical Diabetes* 2005;23;98-99.
- Marks JB.** Lifestyle modification and weight control in diabetes prevention and treatment. *Clinical Diabetes* 2005;23;129.
- Marks JB.** The forgotten complication. *Clinical Diabetes* 2005;23:3-4.
- Marks JB.** The weighty issue of low-carb diets, or is the carbohydrate the enemy? *Clinical Diabetes* 2004; 22: 155-156.
- Marks JB.** The disappearance of insurance coverage for weight reduction surgery. *Clinical Diabetes* 2004 22: 105-106.
- Marks JB.** Diabetes potpourri: Nomenclature and glycemia. *Clinical Diabetes* 2004;22: 50-51.
- Marks JB.** Editorial: Obesity in America: it's getting worse. *Clinical Diabetes* 2004;21:1-2.
- Riddle MC, Rosenstock J, Gerich J, on behalf of the Insulin Glargine 4002 study investigators. The treat-to-target trial. Randomized addition of glargine or human NPH insulin to oral therapy of type 2 diabetic patients. *Diabetes Care* 2003;26:3080-3086.

Marks JB. Is it time for a combination antihyperglycemic-statin pill? *Clinical Diabetes* 2003 21: 148-149.

Marks JB. Type 2 diabetes is more than hyperglycemia *Clinical Diabetes* 2003 21: 99-100.

Raskin P, Bode B, **Marks JB**, Hirsch IB, Weinstein R, McGill JB, Peterson G, Mudaliar SR, Reinhardt RR.

Continuous subcutaneous insulin infusion and multiple daily injection therapy are equally effective in type

2

diabetes: A Randomized, Parallel-Group, 24-Week Study. *Diabetes Care* 2003;26:2598-2603.

Marks JB. The daily walk or the daily pill? *Clinical Diabetes* 2003 21: 51-52.

Marks JB. *Clinical Diabetes* and the diabetes epidemic *Clinical Diabetes* 2003 21: 2-3.

Marks JB. Perioperative management of diabetes. *Am Fam Physician* 2003;67:93-100.

Marks JB. Insulin analogues. In Designer Insulin: Challenges, Treatments, and Opportunities. *Postgraduate Medicine Special Report*. November 2002.

Marks JB. In pursuit of type 1 diabetes prevention. *Clinical Diabetes* 2002;20:168-169.

Rafkin-Mervis LE, **Marks JB.** The science of diabetic snack bars: Review. *Clinical Diabetes* 2001;19:4-12.

Marks JB, Raskin P. Cardiovascular risk in diabetes: a brief review. *J Diab Compl* 2000;14:1-8.

Gutt M, Davis CL, Spitzer S, Kumar M, Schneiderman N, Skyler JS, **Marks JB.** ISI_{0,120}: Validation of the Insulin Sensitivity Index ISI_{0,120}: Comparison with other measures of insulin sensitivity; *Diab Res Clin Practice*, 2000;47:177-184.

Davis CL, Gutt M, Llabre MM, **Marks JB**, O'Sullivan MJ, Potter JE, Landel JL, Kumar M, Schneiderman N, Gellman M, Skyler JS. History of gestational diabetes, insulin resistance and coronary risk. *J Diab Compl* 1999;13:216-223.

Marks JB. Treating hypertension in diabetes—data and perspectives. *Clinical Diabetes* 1999;17:148-154.

Motivala SJ, Hurwitz BE, LaGreca AM, Llabre MM, **Marks JB**, Skyler JS, Schneiderman N. Aberrant parasympathetic and hemodynamic function distinguishes a subgroup of psychologically distressed individuals with asymptomatic type-1 diabetes mellitus. *Int Journal Behavioral Med* 1999;6:78-94.

Marks JB, Raskin P. Nephropathy and hypertension in diabetes. *Medical Clin North Am* 1998;82:877-907.

141. **Marks JB.** Diabetes management in the future: a whiff and a long shot? *Clinical Diabetes* 1998;16:140-

Skyler JS, **Marks JB**, Schneiderman N. Hypertension in patients with diabetes mellitus. *AJH* 1995;8:100S-105S.

Marks JB. Primary care screening practices: falling short of recommendations. *Clinical Diabetes* 1995; 13:54-55.

Hurwitz BE, Quillian RE, **Marks JB**, Agramonte R, Freeman CR, La Greca AM, Schneiderman N, Skyler JS. Resting parasympathetic status and cardiovascular response to orthostatic and psychological challenge in type I insulin-dependent diabetes mellitus. *Int Journal Behavioral Med* 1994;1:137-162.

Skyler JS, **Marks JB.** Immune Intervention in type I diabetes mellitus. *Diabetes Reviews* 1993;1:15-42.

Skyler JS, Lorenz TJ, Schwartz S, Eisenbarth GS, Einhorn D, Palmer J, **Marks JB**, Greenbaum C, Saria E, Byers V, and the CD5 Diabetes Project Team. Effects of an anti-CD5 immunoconjugate (CD5-PLUS) in recent onset type I diabetes mellitus. *J Diab Compl* 1993;7:224-32.

Marks JB. Morning vs. bedtime NPH in NIDDM. *Clinical Diabetes* 1993;11:58.

Marks JB. What price glycemic control? *Clinical Diabetes* 1993;11:143-144.

Marks JB. Non-mydratic fundus photography in screening for treatable diabetic retinopathy. *J Diab Compl* 1992;6:247-53.

Marks JB, Casillas J, Levis S. Adrenal myelolipoma--rationale for a non-invasive diagnosis. *Am J Med Sci*. 1992;303:255-57.

Marks JB. Endocrine manifestations of human immunodeficiency virus (HIV) infection. *Am J Med Sci*. 1991;302:110-17.

Marks JB, Skyler JS. Clinical Review 17: Immunotherapy of type I diabetes mellitus. *J Clin Endocrinol Metab* 1991;72:3-9.

Spitzer RD, Chan JC, **Marks JB**, Valme BR, McKenzie JM. Hypothyroidism due to pneumocystis carinii thyroiditis in a patient with acquired immunodeficiency syndrome. *Am J Med Sci*. 1991;302:98-100.

20. Other works, publications and abstracts:

Marks JB. Vascular dysfunction precedes hyperglycemia in individuals at risk for diabetes. *International Diabetes Monitor* 12:4-5;2000.

Marks JB. Bedtime insulin/daytime sulfonylurea: an effective regimen in NIDDM? *International Diabetes*

Monitor 1995;7:7-9.

Marks JB. HIV and glucose metabolism. *International Diabetes Monitor* 1994;6:3-7.

Marks JB. Insulinitis in the pancreas of a recently diagnosed diabetic child. *International Diabetes Monitor* 1993; 5:5-6.

Marks JB. Increased insulin sensitivity in HIV infection. *International Diabetes Monitor* 1992;4:6-7.

Marks JB. Salt-sensitive hypertension and vascular reactivity in NIDDM. *International Diabetes Monitor* 1991;3:3-4.

Gellman M, **Marks JB.** Recognition of hypertension with ambulatory blood pressure recordings in type I Diabetes Mellitus. *International Diabetes Monitor* 1991;3:1-2.

Marks JB. More on insulin and blood pressure. *International Diabetes Monitor* 1990;2:2-3.

Marks JB and Skyler JS. Insulin update. *Pharmacy Times* 1990;56:102-10.

Marks JB. Mental arithmetic stress in type-I diabetes. *International Diabetes Monitor* 1989;1:8-9.

Abstracts (all were refereed poster presentations at national/international meetings):

Garcia C, Allende G, Matheson D, **Marks J,** Sanchez J, Skyler J, Mendez A, Pugliese A. Increased proportions of circulating proins+ peripheral antigen expressing (PAE) cells in type 1 diabetes. *Diabetes* 2005;54(S):A79.

Marks JB, Weber S, Miceli GR, Van Splunteren F, Davis CL, Spitzer S, Skyler JS. Metformin affects sex hormone levels independent of effects on insulin or insulin sensitivity. *Diabetes* 1998;47(S):A196.

Coutant R, Zeidler A, Rappaport R, Schatz D, et. al. Oral insulin in newly-diagnosed immune mediated (type

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diabetes. Preliminary analysis of a randomized double blind controlled study. *Diabetes* 1998;47(S):A97.

Cowie C, Cuthbertson D, Krischer J, Wilson D, Maclaren N, for the DPT-1 Study Group. Demographic characteristics of islet cell antibody positivity (ICA+) in the Diabetes Prevention Trial of Type 1 Diabetes (DPT-1): *Diabetes* 1998;47(S):A146.

Greenbaum CJ, Zeidler A, Schatz D, Eisenbarth G, Cuthbertson D, Krischer J, for the DPT-1 Study Group. Characteristics of HLA DQA1*0102 DQB1*0602 relatives identified in the Diabetes Prevention Trial-Type 1 *Diabetes* 1998;47(S):A236.

Greenbaum CJ, Cuthbertson D, Krischer J, for the DPT-1 Study Group. Undiagnosed hyperglycemia in relatives of type 1 diabetes patients. *Diabetes* 1998;47(S):A236.

Hernandez-Cassis CS, **Marks JB,** Hernandez C, Skyler JS. Insulin secretion precedes glucose rise during a frequent sampling oral glucose tolerance test. *The Endocrine Society 80th Annual Meeting*, 1998: P3-385.

Gutt M, **Marks JB,** Davis CL, Spitzer S, Llabre M, Agramonte R, Schneiderman N, Skyler JS. Identification of a simple technique to estimate an insulin sensitivity index. *The Endocrine Society 80th Annual Meeting*, 1998:P3-383.

Gutt M, **Marks JB,** Weber S, Spitzer S, Schneiderman N, Skyler JS. Insulin sensitivity measurements: comparison of euglycemic clamp and insulin sensitivity index derived from oral glucose tolerance test.

The

Endocrine Society 79th Annual Meeting, 1997: P3-157.

Marks JB, Weber S, Miceli GR, Gutt M, Doherty K, Skyler JS. Metformin does not improve insulin sensitivity in insulin resistant normoglycemic women with hirsutism. *International Congress of Endocrinology*, 1996;I:564.

Gutt M, **Marks JB,** Weber S, Doherty K, Davis K, Gallagher CK, Schneiderman N, Skyler JS. Generalized metabolic syndrome found in postpartum women with a history of diabetes and/or hypertension. *International Congress of Endocrinology*, 1996;II; 975.

DPT-1 Study Group. The Diabetes Prevention Trial of Type 1 Diabetes (DPT-1): Implementation of Screening and Staging of Relatives. *Diabetes* 1995;44(Suppl 1):129A.

Schatz D for the DPT-1 Study Group. The Diabetes Prevention Trial of Type 1 Diabetes (DPT-1): Design

and

Implementation of the Oral Antigen (Insulin) Protocol. *Diabetes* 1995;44(Suppl 1):230A.

DPT-1 Study Group. The Diabetes Prevention Trial of Type 1 Diabetes (DPT-1). *Diabetes* 1994;43(Suppl 1):159A.

Marks JB, Thompson NE, Ironson, GH, Durel LA, Yount SE, Gellman M, Garza R, Benight C, Skyler JS, Schneiderman N. Sodium Intake Affects Blood Pressure in Insulin Resistant Subjects. *Diabetes*, 43 (Suppl. 1), 1994, 314.

Ansley J, **Marks JB,** Hurwitz BE, Thompson NE, Quillian RE, Olsson-Istel GM, Ashby M, Spitzer S, Fili M,

Donahue RDP, Schneiderman N, Skyler JS. Insulin resistance and blood pressure. *Proceedings of the Society of Behavioral Medicine*, 1991, p. 88.

Hurwitz BE, **Marks JB**, Freeman CR, La Greca AM, Nagel JH, Agramonte RF, Schneiderman N, Skyler JS. Sympathetic dysfunction occurs early in the course of cardiovascular autonomic neuropathy. *Diabetes*,

40

(Suppl. 1), 1991, 330A.

La Greca AM, Hurwitz BE, Freeman CR, Ireland S, Agramonte RF, **Marks JB**, Schneiderman N, Skyler JS. Autonomic dysfunction in adults with IDDM: Implications for psychosocial functioning. *Diabetes*, 40 (Suppl. 1), 1991, 431A.

Marks JB, Hurwitz BE, Ansley J, Quillian RE, Thompson NE, Olsson-Istel GM, Spitzer S, Schneiderman N, Skyler JS. Effects of induced hyperinsulinemia on blood pressure and sympathetic tone in healthy volunteers. *Diabetes*, 40 (Suppl. 1), 1991, 367A.

Thompson NE, **Marks JB**, Hurwitz BE, Quillian RE, Ansley J, Spitzer S, Schneiderman N, Skyler JS. Insulin resistance dampens the acute effects of insulin on blood pressure regulation. *Diabetes*, 40 (Suppl. 1), 1991, 366A.

Quillian RE, **Marks JB**, Hurwitz BE, Thompson NE, Ansley J, Schneiderman N, Skyler JS. Acute effects of induced hyperinsulinemia on blood pressure and sympathetic tone in healthy men. *Clinical Research*, 38, 1990, 993A.

21. Other works accepted: none

V. PROFESSIONAL

22. Funded Research Performed (past 5 years):

"Diabetes TrialNet" - U. of Miami Clinical Center (JB Marks, PI) (Multicenter) NIH/NIDDK #U01 DK61037-01. Project period-9/01/2001-8/31/2008.

"Type 1 Diabetes TrialNet: Natural History Study of the Development of Type 1 Diabetes"

"Type 1 Diabetes Genetic Consortium"

"Improving Metabolic Assessments in T1DM Clinical Trials: To Compare the Reliability of MMTT and IV Glucagon Stimulation Tests"

"Effects of Rituximab on the Progression of Type 1 Diabetes in New Onset Subjects"

"Impact of Dietary Carbohydrate and Fat Intake on Cardiovascular Risk Factors Associated with Insulin Resistance" (JB Marks, PI) American Heart Association, Florida/Puerto Rico Affiliate #0051570B Project period-7/1/00-6/30/05.

VA CSP #465 "Glycemic Control and Complications in Diabetes Mellitus Type 2" Miami VA Clinical Center (PI,

JB Marks, PI) (Multicenter) Project period-7/2000-6/2008.

"Tolerability and Safety of Multiple Dose of TRX4 Anti-CD3 Monoclonal Antibody in Type 1 Diabetes Mellitus" TolerRx (JB Marks, PI) Project period- 3/31/06-9/30/06

"Randomized, Double-Blind, Placebo Controlled, Multicenter Trial to Evaluate the Safety and Efficacy of BMS-

298585 in Combination with Glyburide Therapy in Subjects with Type 2 Diabetes Who Have Inadequate Glycemic Control on Sulfonylurea Therapy Alone". (C Hernandez-Cassis, PI) Bristol Myers Squibb. Project period-7/2004-3/2005

Randomized, Double-Blind, Active Controlled, Multicenter Trial to Evaluate the Safety and Efficacy of BMS-298585 in Combination with Metformin Compared to Pioglitazone in Combination with Metformin in Subjects with Type 2 Diabetes Who Have Inadequate Glycemic Control on Metformin Therapy Alone." (M Gutt, PI) Takeda Pharmaceuticals. Project period-3/2004-3/2005

"Efficacy and Safety of Inhaled Technosphere TM/Insulin compared to Technosphere TM/Placebo in Patients with Type 2 Diabetes" Mankind Corporation (JB Marks, PI) Project period- 12/2003-3/2005

"A Three Year, Safety and Tolerability, Open-Label, 'Follow-On' Trial Evaluating Technosphere/Insulin in Subjects With Type 2 Diabetes Mellitus" Mankind Corporation (JB Marks, PI) Project period- 10/2004-10/2005

"Efficacy and Safety of Inhaled insulin compared with SC human insulin in DM-2 subjects", "Efficacy and Safety of Inhaled insulin compared with SC human insulin in DM-2 subjects not controlled with oral hypoglycemic agents", "Efficacy and Safety of Inhaled insulin compared with SC human insulin in DM-1

- subjects", (plus 1 year extension studies) (JS Skyler, PI) (Multicenter) Pfizer Pharmaceuticals Project period 11/99-2004.
- "Efficacy and Safety of EXUBERA® (inhaled insulin) Compared with Subcutaneous Human Insulin Therapy in Adult Subjects with Type 1 Diabetes Mellitus: A Long-Term, Outpatient, Open-label, Parallel-Group Comparative Trial" (JS Skyler, PI) Pfizer Pharmaceuticals Project period 8/02-7/05.
- VA Project # 2839.03 "Developing and Implementing a Quality Measure for Glycemic Control" Miami VA Center (JB Marks, Investigator, DR Berlowitz, PI) (Multicenter) Project period-7/1/99-2/12/06
- "Diabetes Prevention Trial – Type 1 (DPT-1)"--U. of Miami Clinical Center (JB Marks, PI) (Multicenter) NIH/NIDDK #U01 DK/AH6636-02. Project period-2/15/93-3/31/03. Total award: \$1,312,160 DC:\$879,147 IC:\$433,013
- "Randomized, double-blind, placebo controlled, multicenter, multiple dose escalation study to evaluate the safety, tolerability, pharmacokinetics, and pharmacodynamics of NBI-6024 in adult and adolescent patients with insulin-dependent type-1 diabetes mellitus. (JB Marks, PI) Neurocrine Biosciences 4/01-7/02.
- "Multicenter, randomized, insulin-controlled, parallel, open-label, dose ranging clinical trial to assess the safety, and activity, of multiple doses of orally administered Hexyl-Insulin M2 (HIM2) on daily blood glucose concentrations in patients with type 1 diabetes". (JB Marks, PI) Nobex Pharmaceuticals 6/02 12/02
- "Prevention and Treatment of Type 1 Diabetes" NIH/NIDDK Subproject: "Susceptibility and Resistance Genes" (A Pugliese, PI) 1995-2001
- "Target glycemic control and the incidence of symptomatic nocturnal hypoglycemia in insulin naïve subjects with type 2 diabetes on oral hypoglycemic agent(s) and treated with insulin Glargine or NPH insulin" (JB Marks, PI) (Multicenter) Aventis 2001
- "A Two Year Randomized, Double-blind, Parallel Group Study to Compare the Efficacy, Safety, and Tolerability of Rosiglitazone Versus Placebo in Combination with Glipizide in Elderly Patients" (JB Marks, PI) (Multicenter) Smith-Kline-Beecham, 1999-2001
- "Behavioral Reactivity in Relation to Indices of CHD Risk" a component of Program Project "Biobehavioral Bases of CHD Risk and Management", (JB Marks, Investigator and Sub-Core Leader) NHLBI, NIH. 1991-2001
- "Open-Label, Randomized, Parallel Group Study Comparing the External Continuous Subcutaneous Insulin Aspart Infusion with Multiple Subcutaneous Insulin Injections in the Treatment of Type 2 Diabetes" (JB Marks, Investigator) (Multicenter) Novo Nordisk Pharmaceuticals 4/99-2000
- "Clinical Evaluation of Small Blood Volume Glucose Test Strips Using Capillary Blood from Arm Lancet Stick" (JB Marks, Investigator). (Multicenter) Therasense, Inc. 2000

23. Editorial responsibilities:

1/03-6/06	Editor-in Chief, <i>Clinical Diabetes</i>
1/97-12/02	Editorial Board, <i>Clinical Diabetes</i>
1992-97	Review Editor, <i>Clinical Diabetes</i>
1999, 2001, 2006	Abstract Reviewer, American Diabetes Association Annual Meeting & Scientific Sessions
1/98-present	Editorial Board, <i>Diabetes Research and Clinical Practice</i>
1995-present	Editorial Board, <i>Journal of Diabetes and Its Complications</i>
1989-present	Review Editor, <i>International Diabetes Monitor</i>

Scientific reviewer:

2005	NIH Center for Scientific Review Special Emphasis Panel: Type 1 Diabetes
2002-2006	<i>Clinical Diabetes</i>
2004	<i>Endocrine Practice</i>
2003	<i>Clinical Therapeutics</i>
2003	<i>Journal of the American Dietetic Association</i>
1992-present	<i>Journal of Diabetes and its Complications</i>
2000	<i>American Family Physician</i>
2001, 2002	American Heart Association Study Section Reviewer, Southern and Ohio Valley Research Consortium

1999 *New England Journal of Medicine*
 1998 *Metabolism, Clinical and Experimental*
 1994 *American Journal of Medicine*
 1998 NIH/NIDDK, ad hoc Study Section, Diabetes Complications Grants Review
 1996-1999 ABIM Examination Question Writer and Reviewer, Qualifying Examination in
 Endocrinology, Diabetes, & Metabolism
 1996 Contributing Health Writer, American Diabetes Association Monitor
 1994-95 Contributing Health Writer, Miami Health Letter

24. Professional and honorary organizations:

2008-2009 President, Miami-Dade American Diabetes Association Leadership Board
 2003-2005 Board of Directors, Miami Affiliate American Heart Association
 1999-2001 President, South Coastal Affiliate, American Diabetes Association
 1994-2001 Board of Directors, South Coastal Affiliate, American Diabetes Association
 1998-2000 Member Scientific & Medical Advisory Group of the Professional Section Steering Committee,
 American Diabetes Association
 1998-1999 President-Elect, South Coastal Affiliate, American Diabetes Association
 1998 North American Association for the Study of Obesity
 1997-1998 President-Elect, Florida Affiliate, American Diabetes Association
 1996-1997 Vice-President, Florida Affiliate, American Diabetes Association
 1995-1996 Vice-President-Elect, Florida Affiliate, American Diabetes Association
 1994-1997 Board of Directors, Florida Affiliate, American Diabetes Association
 1993-1995 Program Committee, Florida Affiliate, American Diabetes Association
 1994 Fellow, American College of Endocrinology
 1993 Fellow, American College of Physicians
 1992 The Endocrine Society
 1991 American Association of Clinical Endocrinologists
 1991 Florida Endocrine Society
 1990 American Medical Association
 1989 American Diabetes Association Professional Section
 1989 American Federation for Clinical Research
 1986 American Medical Women's Association
 1985-1991 Society of General Internal Medicine
 1985 American College of Physicians

25. Honors and Awards:

1986 Woman Resident of the Year, University of Miami Medical Women's Association
 1988 Member, American College of Physicians
 1989-90 Recipient, HRS Training Grant, U.S. Public Health Service
 1992 Member, Endocrine Society
 1993 Stanley Glaser Research Foundation Award
 1993 Fellow, American College of Physicians
 1994 Fellow, American College of Endocrinology
 1997 Best Doctors in the Southeastern United States
 1998, 2001 Best Doctors in America

26. Post-doctoral fellowships:

1988-1989 Clinical Fellow, Endocrinology, Diabetes and Metabolism, Jackson Memorial Hospital
 1989-1990 Research and Clinical Fellow, Endocrinology, Diabetes, Metabolism, and Behavioral Medicine,
 Jackson Memorial Hospital
 1989-1991 Recipient, HRS Training Grant, U.S. Public Health Service

27. Other professional activities:

1998-present	National Speaker's Bureau, Novo Nordisk,
1994-2006	Bristol-Myers Squibb Diabetes Education Faculty
2000-present	National Speaker's Bureau, Pfizer Pharmaceuticals
2004-present	National Speaker's Bureau, Sanofi-Aventis
1998-2002	National Speaker's Bureau, Knoll Pharmaceuticals
1998-2002	National Speaker's Bureau, Roche Pharmaceuticals
1998-2000	Wyeth-Ayerst Regional Advisory Panel
1996-2002	National Speaker's Bureau, Eli Lilly
1998-2004	National Speaker's Bureau, Hoechst-Marion-Roussel/Aventis
1995-1996	Continuing Medical Education Lecturer, Pratt Pharmaceuticals
1992	Faculty, American Diabetes Association Nationwide Continuing Education Program-Risk Factor Management

Invited presentations:

- 5/17/2008 Meet the Expert - "A Clinical Strategy for Type 2 Diabetes" AACE National Annual Meeting and Clinical Congress, Orlando, FL.
- 3/28/08 "Update on the Basics of the Treatment of Type 2 Diabetes Medical Grand Rounds, North Shore Hospital, Miami, FL
- 2/9/08 "Effective Type 2 Diabetes Management" PriMed South Conference & Exhibition, Fort Lauderdale, FL
- 11/9/06 "Diabetes Update" Veterans' Administration Medical Center VISN 8 Ambulatory Care Forum, Gainesville, FL
- 10/28/06 "Incorporating Current Diabetes Research in the Treatment Plan for Diabetes Patients" Diabetes Coalition of St. Lucie County, Ft. Pierce, FL
- 10/14/06 "What's New in Injectable Therapy?" Update on Diabetes/Endocrinology, Southern Medical Association Annual Scientific Assembly, Charlotte, NC.
- 9/22/06 "NCQA Standards of Care" Columbus Diabetes University, Columbus, GA
- 8/6/06 "Inhaled Insulin" AACE Postgraduate Update, Naples, FL
- 5/25/06 "Polycystic Ovarian Syndrome A Metabolic Disorder " Southern Regional Conference on Diabetes, Obesity, and Cardiovascular Disease, Marco Island, FL
- 3/21/06 "Insulin Therapy in the Hospital: Strategies for Improving Patient Outcomes" Internal Medicine Grand Rounds, Wake Area Health Education Center, Raleigh, NC
- 3/4/06 "Insulin Therapy in the Hospital: Strategies for Improving Patient Outcomes" Internal Medicine Grand Rounds, Saturday Morning Medical Staff Conference, Delaware County Memorial Hospital, Drexel Hill, PA
- 1/13/06 "Update on Treatment of Diabetes" – Psychiatry Grand Rounds, University of Miami Miller School of Medicine/Miami VAMC
- 7/13/05 Presentations at the Southern Medical Association Conference – "Focus on the Female Patient":
 "Insulin Management – Starting Insulin Therapy"
 "Insulin Pump Therapy for Your Practice"
 "Diabetes Management in the Pregnant Patient"
 Kiawah Island, South Carolina
- 3/15/2005 "After DPT-1: Can Type 1 Diabetes Be Prevented?" – Vanderbilt University Endocrinology, Diabetes & Metabolism Grand Rounds presentation, Nashville TN
- 3/6/2005 "Update on Medical Aspects of Diabetes Mellitus" – American Association for Geriatric Psychiatry, San Diego, CA
- 3/5/2005 "Diabetes – A Vascular Disease" – American Association for Geriatric Psychiatry, San Diego, CA
- 11/4/2004 "Novel Therapies in Diabetes Management: Current and Future Treatment of Type 2 Diabetes" - South Florida Case Management Conference, Miami, FL
- 6/2004 "Insulin and Insulin Analogs in Contemporary Diabetes Management" – Southern Medical Association "Challenges in Family Medicine Today – Providing the First Line of Care for Your Patients" Orlando, FL
- 5/2004 "Deadly Duo: Diabetes and CHD" - "Pearls for Practice" Diabetes Annual Update, Tampa VAMC
- 2/2004 Panel member, "Carbohydrates: Key Implications: Rates of Chronic Disease, Tools for Prevention" "Healthy Pasta Meals" – an Oldways Scientific Consensus Conference, Rome Italy
- 9/2003 "The Role of Glycemia in Cardiovascular Risk" NACE Conference: Emerging Challenges in Primary Care:2003, Boca Raton, FL.

- 11/2002 "IV Insulin in the Critically Ill Patient" - Portsmouth Regional Hospital Grand Rounds, Portsmouth, NH
- 11/2002 Faculty, National Endocrine Fellowship Program, New Orleans, LA
- 9/2002 "Diabetes Prevention Trial-Type 1" - The 3rd World Congress on Prevention of Diabetes and Its Complications, Hong Kong, China
- 7/2002 "Treatment of Obesity and Diabetes" - American College of Osteopathic Family Physicians 22nd Annual Convention, Orlando, FL
- 6/2002 Chair, Oral Poster Presentation Session, "Insulin: Alternate Routes of Administration" - American Diabetes Association 62nd Scientific Sessions, San Francisco, CA
- 6/2002 "Designer Insulins: Challenges, Treatments, and Opportunities" - American Diabetes Association 62nd Scientific Sessions, San Francisco, CA
- 4/2002 "Treatment of Hypertension in Diabetes" - Bon Secours-St. Joseph Hospital Grand Rounds, Port Charlotte, FL
- 4/2002 "Assessment & Management of Obesity in Diabetes" - Bon Secours-St. Joseph Hospital Grand Rounds, Port Charlotte, FL
- 1/2002 "Does Control of Hyperglycemia in Acute Illness Matter?" - Grand Rounds, Mount Sinai Medical Center, Miami FL
- 12/2001 "DPT-1 and TrialNet" - 6TH International Meeting on the Genetics, Pathogenesis, and Prevention of Type 1 and Type 2 Diabetes, Erice, Sicily, Italy
- 12/2001 "Advances in Insulin Therapy in Type 1 and Type 2 Diabetes" - 6TH International Meeting on the Genetics, Pathogenesis, and Prevention of Type 1 and Type 2 Diabetes, Erice, Sicily, Italy
- 6/2001 "Diabetes: Current Therapeutic Options" - "Internal Medicine Topics for the Primary Care Physician", Miami Beach, FL
- 6/2001 "Insulin with Combination Therapy" in "Diabetes Management: Early Intensive Intervention Makes a Difference" - American Diabetes Association 61st Scientific Sessions, Philadelphia, PA
- 10/2000 "Preventing and Managing Type 1 Diabetes" - Southern Medical Association Conference on Diabetes Mellitus, White Sulphur Springs, WV
- 4/2000 "Modern Management of Type 2 Diabetes" - FI Academy of Family Physicians Family Practice Weekend, Tampa, FL
- 2/1999 "Choosing the Appropriate Medication for Your Patient" - "Diabetes Update", Cambridge Health Resources, Atlanta GA
- 11/1997 "Weight Management for Diabetes without Dieting" - "New Practical Options for the Treatment and Management of Obesity", IBC Technical Services Limited, Miami, FL
- 10/1997 "Diabetes: Type 1, Type 2, Does it Matter?" - The Endocrine Society Annual Continuing Education Update, Dallas, TX
- 4/1995 "Prevention of Type I Diabetes" - "Diabetes: Advances in Understanding and Treatment," - IBC Technical Services Limited, London, England
- 5/1992 "Immunotherapy of Type I Diabetes" - South Dakota Affiliate ADA Symposium on "Clinical Issues in Diabetes Management," Rapid City, SD
- 4/1991 "The Perioperative Management of the Diabetic Patient" - Miami Comprehensive Review Course in Anesthesiology, University of Miami School of Medicine, Miami Beach, FL

VI. TEACHING

28. Teaching Awards Received:

1986 Woman Resident of the Year, from University of Miami Medical Women's Association

29. Teaching Specialization:

2002-2003 Endocrinology Module, Medical Students Year 1-2 (new curriculum)

2002 GI/Nutrition Module, Medical Students Year 1

2002-2003 Clinical Skills Preceptor

1988-2002 Mechanisms of Disease, Endocrinology and Metabolism, Second Year Medical Students

1987-1994 Physical Diagnosis (Introduction to the Patient), First Year Medical Students

1989-1999 Endocrinology/Biochemistry Core Course, First Year Medical Students

1992-2000 Behavioral Medicine Research Program Training Grant Faculty, Department of Psychology

Faculty Research Advisor:

2002-2004	Claudia Vogel, MD, Fellow in Endocrinology, Diabetes, and Metabolism
2002-2004	Ira Katz, MD, Fellow in Endocrinology, Diabetes, and Metabolism
2001-2002	Gabriel Guerrero, MD., Resident in Internal Medicine
1996-1998	Eugenio Angueira-Serrano, MD., Fellow in Endocrinology, Diabetes, and Metabolism
1993-1995	Gerald Miceli, MD., Fellow in Endocrinology, Diabetes, and Metabolism
1993-1995	Sandra Weber, MD, Fellow in Endocrinology, Diabetes, and Metabolism
1992-1993	Ramon Garza, MD, Fellow in Endocrinology, Diabetes, and Metabolism

30. Thesis and dissertation advising:

Department of Psychology, Behavioral Medicine Research Program:

2002-2003	Committee Member, Candace Hart; Autonomic and circulatory function in type 1 diabetes mellitus
2002-2003	Committee Member, Anna Rusiewicz; Psychosocial influences on adherence to diabetes self-care and glycemic control in type 1 diabetes
1996	Committee Member, Evelyn Sullivan; Anger, gender and cardiovascular disease
1996-1997	Committee Member, Katherine Davis; Aspects of insulin metabolic syndrome among postpartum women who had gestational diabetes or healthy pregnancies
1996-1997	Committee Member, Carol Gallagher; Insulin resistance and measures of cardiovascular risk in postpartum gestationally diabetic women
1992	Committee Member, Lori Reineke; Ambulatory blood pressure monitoring
1991-1993	Faculty Preceptor, Ruth Quillian; Cardiovascular effects of hyperinsulinemia
1991	Committee Member, Jane Ansley; Insulin resistance and blood pressure

VII. SERVICE

31. University committee and administrative responsibilities:

1991-2005	Research mentor for 8 Endocrinology Clinical Fellows, and 2 General Internal Medicine Residents
2003-pres	Member, General Clinical Research Center Advisory Committee
2000-2008	Planning Committee Member, Section Coordinator, and Faculty, University of Miami Annual Internal Medicine Update & Internal Medicine Board Review Courses
2003	Endocrinology Medical School Curriculum Reform Committee
2000-2001	GI/Nutrition Medical School Curriculum Reform Committee
2002-2004	Search Committee, Chair of Department of Psychiatry
2000	Search Committee, Chair of Ophthalmology
1998-2001	Faculty Senate
1997-2003	Preceptor, Residency Scholarly Activity Program
1994-1995	Advisory Committee on Appointment, Promotions, and Tenure, Department of Medicine
1995-pres	UMMG Credentials Committee
1994, 1996	UMMW Medical Student Advisory Committee
1993	Committee to Restructure PIP, University of Miami School of Medicine,
1993	Committee on Department of Medicine: the Future, University of Miami School of Medicine
1993-1996	Medical School Executive Promotions Committee
1988-90	Intern Advisory Program, Jackson Memorial Hospital/University of Miami Affiliated Hospitals
1987-pres	Residency Selection Committee, Jackson Memorial Hospital
2007-pres	Search Committee, Chair of Maternal-Fetal Medicine
2005-pres	EDM Fellowship Selection Committee
2006-pres	Director, J. Maxwell McKenzie Fellowship Training Program

2005-2010 Advisory Committee on Appointment, Promotions, and Tenure, Department of Medicine

32. Community Activities:

President, Miami Dade American Diabetes Association Community Leadership Board, 2008-2009
State of Florida Diabetes Advisory Council, 4/2004-present
American Diabetes Association Southern Regional Annual Scientific Postgraduate Diabetes Conference, Program Planning Committee, 1996-2009
American Diabetes Association, Miami Chapter, Health Professionals Annual Diabetes Conference, Program Planning Committee, 1995-2009
Chair, American Diabetes Association Southern Regional Annual Scientific Postgraduate Diabetes Conference, Program Planning Committee, 1998-2001, 2008
President, South Coastal Region, American Diabetes Association, 1999-2001
President-Elect, South Coastal Region, American Diabetes Association, 1997-9
Vice President, Florida Affiliate, American Diabetes Association, 1995-7
Vice President-Elect, Florida Affiliate, American Diabetes Association, 1994-5
Board of Directors, Florida Affiliate, American Diabetes Association, 1994-1997
Volunteer, Florida Affiliate, American Diabetes Association, 1993-present
Runner, TEAM DIABETES fundraising effort for the American Diabetes Association: Completed London Marathon, April 1999, Paris Marathon, April 2000, and Kona, Hawaii Half-Marathon, June 2000
Preceptor, Dade County Public Schools Community Laboratory Research Program, 1990-1991
Volunteer Physician, Camillus House Health Concern Clinic for the Homeless, Miami, 1993-1997