

## CURRICULUM VITAE

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### EDUCATION:

1961 - 1965 A.B. - Vassar College, Poughkeepsie, New York  
Major - Chemistry

1965 - 1969 M.D. - University of Southern California School of Medicine  
Los Angeles, California

1987 - 1989 Ed.M. - Harvard University Graduate School of Education  
Cambridge, Massachusetts

1989 - 1992 Ed.D. (Teaching, Curriculum, and Learning Environments),  
Harvard University Graduate School of Education  
Cambridge, Massachusetts [Thesis: Teaching and Learning of Basic  
Science in Medical School: The Students' Perspective]

### POSTDOCTORAL TRAINING:

1969 - 1972 Medicine Residency, New York University  
Bellevue Medical Center, New York, New York  
Saul Farber, M.D. - Program Director

1971 - 1973 Rheumatology Fellowship, New York University  
Bellevue Medical Center, New York, New York  
Edward C. Franklin, M.D. - Program Director

### LICENSURE AND CERTIFICATION

Certification: 1970 Diplomat, National Board of Medical Examiners  
1972 Diplomat, American Board of Internal Medicine  
1974 Diplomat, American Board of Rheumatology

#### Medical Licensure:

1981 State of New Hampshire (#6384)-active  
1989 State of Massachusetts (#71535)-active nonpracticing

ACADEMIC APPOINTMENTS:

- 1970 - 1973            Instructor in Medicine, New York University Medical School, New York, New York
- 1973 - 1977            Instructor in Clinical Medicine, University of Oregon Health Sciences Center, Portland, Oregon
- 1977 - 1981            Assistant Professor of Medicine, University of Oregon Health Sciences Center, Portland, Oregon
- 1981 - 1984            Assistant Professor of Medicine, Dartmouth Medical School, Hanover, New Hampshire
- 1984 - 1994            Associate Professor of Medicine, Dartmouth Medical School, Hanover, New Hampshire
- 1994 -                  Professor of Medicine, Dartmouth Medical School, Hanover, New Hampshire
- 1997 – 2001            Associate in Education, Harvard University Graduate School of Education, Cambridge, Massachusetts
- 2000 -                  Professor of Community and Family Medicine, Dartmouth Medical School, Hanover, New Hampshire
- 2000 -                  Senior Associate, Health Care Improvement Leadership Development, Center for Evaluative Clinical Sciences, Dartmouth Medical School, Hanover, New Hampshire

PROFESSIONAL POSITIONS:

- 1973 - 1981      Staff Rheumatologist, Providence Medical Center  
Portland, Oregon
- 1973 - 1976      Staff Rheumatologist, Good Samaritan Hospital and Medical Center  
Portland, Oregon
- 1973 - 1981      Staff Rheumatologist, Oregon Health Sciences University Clinics  
Portland, Oregon
- 1973 - 1974      Assistant Director of Emergency Services, Providence Medical Center  
Portland, Oregon
- 1974 - 1975      Assistant to the Chief of Medicine, Good Samaritan Hospital  
Portland, Oregon
- 1975 - 1981      Assistant Director, Department of Medical Education (Assistant Program  
Director Internal Medicine Residency Program, Director Continuing  
Medical Education), Providence Medical Center, Portland, Oregon
- 1978 - 1981      Program Director, Rheumatology Fellowship Training Program,  
Providence Medical Center, Portland, Oregon
- 1981 - 2005      Staff Rheumatologist, Dartmouth Hitchcock Medical Center  
Hanover, New Hampshire
- 1981 - 1986      Assistant to the Chairman, Medicine Clerkship Director, Department of  
Medicine, Dartmouth Medical School, Hanover, New Hampshire
- 1986 - 1991      Assistant Dean for Clinical Education, Dartmouth Medical School,  
Hanover, New Hampshire
- 1991 - 1996      Associate Dean for Education, Assistant Dean for Minority Affairs  
Dartmouth Medical School, Hanover, New Hampshire
- 1995 - 2001      Faculty, The Harvard Macy Institute Program for Physician-Educators,  
Harvard Medical School and the Harvard Graduate School of Education,  
Boston, MA
- 1996 - 1997      Assistant Dean of Minority Affairs  
Dartmouth Medical School, Hanover, New Hampshire
- 1995 - 2002      Staff Primary Care Internist and Rheumatologist, Alice Peck Day Memorial  
Hospital Community Care Center, Lebanon, New Hampshire
- 1996 -2005      Coordinator for Faculty Development  
Dartmouth Medical School, Hanover, New Hampshire

HONORS:

Alpha Omega Alpha, 1969  
 Fellow, American College of Physicians, 1982  
 Class Day Hooder (in recognition of teaching excellence), 1986, 1987  
 Best Clinical Teacher, Dartmouth Medical School, 1987  
 Graduation Week Speaker (in recognition of teaching excellence), 1988, 1992, 1994, 1997  
 Member, National Board of Directors, Alpha Omega Alpha, 1991-1993, 1996-2005  
 Executive Committee, National Board of Directors, Alpha Omega Alpha, 1996-2005  
 Faculty Marshall, Dartmouth Medical School, Graduation, June 1993  
 Helmut Schumann Fellowship, July 1, 2003-June 30 2005

COMMITTEES/ACTIVITIES:

## Association of American Medical Colleges

1991 - 1992	Faculty Fellow, Liaison Committee on Medical Education
1992 - 2005	Survey Team Member, Liaison Committee on Medical Education

## Dartmouth Medical School:

1981 - 1986	Medicine Internship Advisory Committee
1981 - 1986	Chairman, Medicine Student Evaluation Committee
1981 - 1985	Medicine House Staff Evaluation Committee
1981 - 1985	Medicine House Staff Selection Committee
1982 - 1986	Chairman, Medicine Internship Advisory Committee
1982 - 1997	Student Performance Committee
1982 - 1995	Clerkship Directors Committee
1982 - 1991	Curriculum Committee
1983 - 1995	Internship Advisory Committee
1985 - 1986	Chairman, Educational Program Subcommittee, LCME Self-Study Task Force
1986 - 1995	Dean's Advisory Board
1986 - 1995	Chairman, Clerkship Directors Committee
1986 - 1995	Chairman, Internship Advisory Committee
1986 - 1993	Alumni Council Student Support Committee
1987 - 1991	Secretary/Treasurer, Alpha Omega Alpha, Dartmouth
1991 - 1995	Co-Councillor, Alpha Omega Alpha, Dartmouth Medical School Chapter
1991 - 1993	New Directions (curriculum reform) Committee
1991	Chairman, Search Committee for Assistant Director of Admissions
1992	Search Committee for Director of Admissions
1992 - 2000	American Medical Women's Association, Executive Advisory Council, Dartmouth Chapter
1992 - 1993	Steering Committee, Robert Wood Johnson Generalist Initiative
1992 - 1993	RWJ Generalist Undergraduate Curriculum Committee
1992 -	Department of Medicine Education Committee

1992 - 1996 Department of Medicine Undergraduate Subcommittee  
 1993 - 1996 Student Course Evaluation Committee  
 1993 - 1997 New Directions Coordinating Committee  
 1993 - 2001 Admissions Committee, Full Voting Member  
 2005 - Admissions Committee, Full Voting Member  
 1994 Medical School Representative to Student Information Systems  
 Committee  
 1994 - 2005 Medical Education Research Group  
 1994 - 1995 Search Committee for Chief of Staff, Veterans Administration  
 Hospital/Associate Dean VA Affairs at Dartmouth Medical School  
 White River Junction, Vermont  
 1995 - 1997 New Directions Evaluation, Clerkship, Electives Planning Groups  
 1996 - 1998 Chair, Honors Committee  
 1996 - 1997 Student Support Group  
 1996 - 2005 Faculty Development Group

## Dartmouth College:

1984 - 1985 Faculty Affirmative Action Review Committee  
 1990 - 1991 Ad Hoc Committee for a Teaching Center  
 1992 - 1997 Faculty Affirmative Action Review Committee  
 1994 - 1997 Chair, Faculty Affirmative Action Review Committee  
 1994 - 1996 Provost's Committee on the Medical School  
 1995 - 1997 Doctoral (Psychology) Dissertation Committee, Virginia Reed  
 1995 - 2005 Evaluation Research Group  
 1996 Co-founder Diversity Reading groups for all Dartmouth staff and  
 faculty

## Dartmouth-Hitchcock Medical Center:

1988 - 1990 Impaired Persons Policy Committee  
 1992 - 1993 Strategic Planning Committee  
 2000 - Program Evaluation, Veterans Administration Quality Scholars  
 Fellowship Program  
 2001 - Program and Resident Evaluation, Residency Management Group,  
 Practicum Review Board, Residency Advisory Board for  
 Leadership Preventive Medicine Residency  
 2002 - 2005 GME Metrics Committee

## Corporate Boards:

1982 - Board of Directors, Sinclair Machine Products, Inc.  
 Claremont, New Hampshire  
 1985 - 1995 Board of Directors, Plasma Components, Inc.  
 Claremont, New Hampshire  
 1987 - Executive Committee, Sinclair Machine Products, Inc.  
 Claremont, New Hampshire

## Other:

1981	Program Director, Northwest Rheumatism Association Annual Meeting, Sun River, Oregon
1981	Board of Directors, Oregon Arthritis Foundation
1987 - 1997	Board of Directors, Maine-Dartmouth Family Practice Residency Program
1990 - 1995	Dartmouth Medical School Representative Member Project Cork Institute Council, Hanover, New Hampshire
1991 - 1993	Councillor Director, Board of Directors, (national) Alpha Omega Alpha (AOA)
1991 - 1992	AOA Membership Election Criteria Committee
1992 - 1993	AOA New Chapter Committee
1992 - 1993	AOA Visiting Professorship Committee
1994 - 1996	Board of Advisors, Wellspring Foundation of New England, Lyme, New Hampshire
1994 - 1996	Masters (Counseling) Thesis Committee, Notre Dame College, Manchester, New Hampshire
1995 -	Board of Directors, Touchstone Foundation, York, Pennsylvania
1995 - 1996	Dartmouth Medical School Representative Member Advisory Committee on Medical Education, Finance Authority of Maine (FAME), Augusta, Maine
1995 - 2005	Member, Board of Directors, (national) Alpha Omega Alpha (AOA) AOA Nominating Committee AOA Leaders in Medicine Committee
1996 - 1998	AOA Program and Planning Committee
1996 - 1999	Secretary/Treasurer, Board of Directors, (national) Alpha Omega Alpha AOA Executive Committee
1999 - 2005	Vice President, Board of Directors, (national) Alpha Omega Alpha
1996 - 1999	Physician Assistant Certification Program Advisory Committee, Notre Dame College, Manchester, New Hampshire
1999 - 2001	Board of Trustees, Chapel Hill-Chauncy Hall School, Waltham, Massachusetts

MEMBERSHIPS:

1973	Salerni Collegium, University of Southern California School of Medicine Honorary Alumni Association
1973 - 1981	Northwest Rheumatism Association
1974 - 1981	Oregon Medical Association
1974 -	American Arthritis Foundation
1976 - 1997	American Federation for Clinical Research
1977 - 1981	Multnomah County Medical Society
1978 - 1981	Executive Committee, Northwest Rheumatism Association
1979 - 2005	American College of Physicians
1981 - 2004	American College of Rheumatology
1992 -	American Medical Women's Association
1992 - 1997	American Medical Association

1993 -	National Council for Excellence in Critical Thinking
1993 - 2005	American Educational Research Association
1994 - 1997	Association for the Behavioral Sciences

MEDICAL EDUCATION CONSULTATIONS, RETREATS and WORKSHOPS:

Department of Medicine, Cleveland Clinic, Cleveland, Ohio; February 26-28, 1987  
(Methods to Improve House Staff Recruitment).

Department of Medicine, Beth Israel Hospital and Brigham and Women's Hospital, Boston, Massachusetts; April 15-16, 1987 (Methods to Improve Teaching Medical Students in the Medicine Clerkships [including the Ambulatory Care Setting] in the New Pathway).

Carnegie Foundation for Higher Education, Charles Glassick, Executive Vice-President  
Cambridge, Massachusetts; March 13, 1990 (How to Implement Change in Medical Education).

Memorial University of Newfoundland, Faculty of Medicine, St. John's, Newfoundland, Canada;  
October 9-11, 1990 (Pros and Cons of Alpha Omega Alpha Membership, Teaching Medical  
Students about Alcohol Abuse, Career Counseling: Using Alumni, Effective Lecturing in Basic  
Science, Case Assessment Methods in Internal Medicine Clerk Rounds).

Internal Medicine Residency Program, Providence Medical Center, Portland, Oregon; March 2-6,  
1992 (How to Improve Clinical Teaching).

Years III/IV Subcommittee of the Curriculum Committee, PA State University College of  
Medicine, Hershey, Pennsylvania; March 25-26, 1993 (Designing an Innovative Clinical  
Curriculum).

The Mary Imogene Bassett Hospital, Cooperstown, New York, Department of Medicine Grand  
Rounds, Workshop: "How to be an Effective Teacher," July 8, 1994.

Curriculum Retreat, City University of New York Medical School, "Training Neighborhood  
Doctors for New York," September 25-26, 1994.

Montana State University, WWAMI Medical Program, Workshop: "How Effective Teachers Help  
Students Learn," February 6, 1995.

University of Rochester School of Medicine, 3-day Workshop: "How Effective Teachers Help  
Students Learn," April 19-21, 1995.

Cornell University Medical College, Workshop: "How Effective Teachers Help Students Learn,"  
October 19, 1995.

University of Illinois College of Medicine (all four sites: Chicago, Urbana, Peoria and Rockford),  
Retreat Plenary Speaker, Starved Rock, Illinois: "Rethinking Our Educational Goals," April 25,  
1996.

New Jersey Medical School, Workshops with Faculty, Chairs, Dean and Promotions Committee, "Teaching Portfolios: Documenting Scholarship in Education," Newark, New Jersey, January 26-27, 1998.

New Hampshire AHEC Workshop for physicians, social workers, nurses, PA, NP, PT and OT community care site personnel. "Teaching in the Ambulatory Setting Efficiently and Effectively: Making the Addition of Learners an Asset to the Productivity of the Practice." Concord, New Hampshire, April 13, 1999.

Notre Dame College Physician's Assistant Masters Program, Curriculum Consultant, Manchester, New Hampshire, January 1999 - June 1999.

CUNY Sophie Davis Medical School, "Effective Teaching in the Ambulatory Care Setting," New York, New York, May 10, 1999.

Mt. Sinai School of Medicine Medical Education Grand Rounds, "Learning in Medical School and Effective Teaching: Developmental Curricula," New York, New York, December 14, 1999.

Lehigh Valley Medical Center Internal Medicine Residency Program, "Resident Journaling as a Part of an On-line Resident Portfolio." Allentown, PA, July 10-11, 2002.

Lehigh Valley Medical Center, Allentown, PA and Penn State College of Medicine, Hershey, PA. "Assessment of Institutional Faculty Development Needs for future Medicine Fellowships." December 15-17, 2002.

Tufts Health Care Institute, Boston, MA. Medical Education Distance Learning Consortium. "The On-line Learning Program in Systems-Based Practice and Practice-Based Improvement: A Curriculum Integration Project for Medical Education." March 4-5, 2003.

Lehigh Valley Medical Center, Allentown, PA and Penn State College of Medicine, Hershey, PA. "Fellowship Retreat: Curriculum Development through Identification of Site Strengths and Weaknesses." March 11-13, 2003.

Bassett Healthcare, Cooperstown, New York Curriculum Workshop: Surgical Grand Rounds, "Efficient and Effective Ambulatory Teaching" Workshop I "Professionalism-What is it and How do we teach it?", Workshop II "Using Errors to Teach Systems-based Practice: A Case Study", May 12, 2003.

Penn State College of Medicine, Hershey, PA and Lehigh Valley Medical Center, Allentown, PA. "Fellowship Retreat: Creating Community between Fellows and Faculty at Distant Sites." May 16, 2003.

Lehigh Valley Hospital and Health Network, Allentown, PA. Education Consultant (Contract work = .3 FTE 2003, .4FTE 2004, .5FTE 2005, hourly since July 2005 - present) Implementation of Online Resident Journaling (Journey Mapping), Observation of Faculty with Feedback within 24 hours, Chronic Care Management using Flinders Model taught to faculty and residents, Fellowship curricula for Cardiology, Pulmonary Critical Care and Hematology Oncology, Teaching Written Communication Skills to Residents on Night Float Rotation, Effective and Efficient Ambulatory Teaching in faculty private practices, Center for Teaching and Learning initiative, Comprehensive Integrated Patient-centered Chronic Disease Management initiative, counseling residents having academic difficulty.

INTERNATIONAL/NATIONAL MEETINGS - INVITED PRESENTATIONS:

Motrin Symposium: "Drug Toxicity," Panelist, May 15-17, 1980, San Diego, California.

AAMC, Group on Medical Education, "Students in Academic Difficulty," Panelist, October 1984, Chicago, Illinois.

AAMC, Group on Medical Education, "Students in Academic Difficulty," Panelists, October 1985, Washington, D.C.

Association for Hospital Medical Education, "Residency Training: Education vs. Service," Keynote Speaker, February 22, 1990, Sea Island, Georgia.

Annual Conference for Generalists in Medical Education, "Establishing Ambulatory Programs: Barriers and Implementation Strategies," Panelist, November 10, 1991, Washington, D.C.

AAMC, Research in Medical Education Proceedings of the Thirtieth Annual Conference, "Assessing Performance in Clerkships," Moderator-Discussant, November 12, 1991, Washington, D.C.

Northeast Group on Educational Affairs, "Integrating the Basic Sciences and Clinical Medicine: Breaking Down the Barriers," Moderator-Discussant, March 30-April 1, 1992, Baltimore, MD.

AAMC, Organization of Student Representatives and the Organization of Resident Representatives, "Teaching and Learning in Medical School: The Students' Perspective," Plenary Speaker, November 7, 1992, New Orleans, LA.

AAMC, Group on Educational Affairs, "Managing Ambulatory Programs," Panelist, November 9, 1992, New Orleans, LA.

AAMC, Group on Educational Affairs, "Integrating Basic and Clinical Science: Conceptual and Educational Issues," Panelist, November 9, 1992, New Orleans, LA.

Northeast Group on Educational Affairs, "How Students and Residents Think," Moderator-Discussant, April 16-18, 1993, Quebec City, Quebec, Canada.

Northeast Group on Educational Affairs, "Meet Senior Researchers: Curriculum," Small group discussion facilitator, April 17, 1993, Quebec City, Quebec, Canada.

Northeast Group on Educational Affairs, Basic Science Education Forum, "Case-Based Teaching," Panelist, April 17, 1993, Quebec City, Quebec, Canada.

AAMC, RIME Conference, "Student Learning Through Rote Memorization in Traditional Compared to Problem-Based Schools", November 9, 1993, Chicago, Ill.

Generalists in Medical Education (14th Annual Conference), "Innovations in Traditional and Non-Traditional Medical School Curricula Using Case-Based Exercises," Moderator, November 8, 1993, Washington, D.C.

Northeast Group on Educational Affairs, "Constraints and Incentives for Faculty Development Programs," Small Group Discussion Facilitator, April 7, 1994, New York, NY.

Northeast Group on Educational Affairs, "What Effective Teachers Do to Help Students Learn," Workshop Leader, April 8, 1994, New York, NY.

Northeast Group on Educational Affairs, "Creating and Using an Educator's Portfolio," Workshop Leader, April 8, 1994, New York, NY.

Basic Science Educational Forum, Annual Meeting, "Strategies for Integrating Educational Processes," Plenary Speaker and "Rethinking Clinical Rounds", Small Group Discussion Leader, June 24–27, 1995, Lincolnshire, IL.

4th Annual Summer Symposium: Building Knowledge for the Leadership of Improvement of Health Care. "Improvement of Teaching and Patient Care in a Teaching Practice," July 22, 1998, Lyme, New Hampshire.

Northeast Group on Educational Affairs, "Redesign of Teaching Practice to Improve Patient Care, Student Teaching and Productivity: Can Teaching Students be an Asset to a Practice?" June 19, 1999, St. John's, Newfoundland, Canada.

Northeast Group on Educational Affairs, "Exploring How Residents Learn," June 26, 2000, Hanover, New Hampshire.

Generalists in Medical Education (22<sup>nd</sup> Annual Conference), "Using the Cognitive Behavior Survey to Assess Learning Behavior in Medical Settings", October 29, 2000, Chicago, IL.

AAMC, Group on Educational Affairs Mini-Workshop, "Exploring How Residents Learn," November 1, 2000, Chicago, IL.

AAMC. Group on Educational Affairs Mini-Workshop, "Exploring How Residents Learn," November 8, 2001, Washington, DC.

ACGME Mastering the Accreditation Process Workshop, "On-line Resident Portfolios" and "Cognitive Behavior Survey: Residency Years-A Means of Assessing the Impact of Residency Hours on Resident Learning," February 28-March 1, 2002, Chicago, Illinois.

American College of Surgery Annual Meetings, 2002 GMEC General Symposium, *Attracting and Training Surgeons: Assessment of the Work Environment*: "Hospital Systems: Help or Hindrance?" October 7, 2002, San Francisco, CA.

APDIM National Meeting, "An Internet-Based Portfolio Model for Core Competency Documentation and Journey Mapping," October 20, 2002, Washington, DC.

Societe d'implantation du Centre hospitalier de l'Universite de Montreal Conference. "Practical Teaching." February 14, 2003, Montreal, Canada.

NorthEast Group on Educational Affairs, “Assessing Competencies Across the Continuum.” Workshop presenter, “An Internet-Based Portfolio Model for Core Competency Documentation and Journey Mapping.” April 12, 2003, Boston, MA.

Tufts Health Care Institute Conference, “Competency Assessment: Forethought Not Afterthought.”

THCI Annual Conference Advisory Board April 2003-September 2003; Plenary III Speaker: “Opportunities for Scholarship: Leveraging Competency Assessment to Study Clinical Impact” and Group Discussion Facilitator: “Research Initiatives and Opportunities.” September 12, 2003, Boston, MA.

AAMC, Group on Educational Affairs, Annual Meetings, workshop, “Maintaining Clinical Productivity While Teaching in an Ambulatory Setting.” Washington, D.C. November 9, 2003.

AAMC, Group on Educational Affairs for RIME, Annual Meetings, small group discussion, “Using Portfolios for Assessment in Graduate Medical Education: Practical and Psychometric Considerations.” Washington, D.C. November 12, 2003.

IHI National Forum on Quality Improvement in Health Care, workshop, “Designing Microsystems to Improve Learning and Patient Care.” New Orleans, Louisiana, December 4, 2003.

Australia New Zealand Association for Medical Education (ANZAME), Interest Group on Curricula on Chronic Disease Self-Management for Medical Students, “The Need for a Chronic Disease Management Curriculum for Medical Students: A Possible Solution,” Adelaide, South Australia, September 13, 2004.

IHI National Forum on Quality Improvement in Health Care, two workshops, “Designing Microsystems to Improve Learning and Patient Care.” Orlando, Florida, December 14, 2004.

IHI National Forum on Quality Improvement in Health Care, workshop, “How Self-Management and Patient Self-Care Can Improve the Quality of Care,” Orlando, Florida, December 15, 2004.

Eleventh Annual Invitational Summer Symposium: Building Knowledge for the Leadership of Improving Health Care, “Designing Care Both For and With the Patient,” Fairlee, Vermont. July 18, 2005.

International Forum on Patient Self-Management: New Perspectives, two workshops, “Flinders Model of Chronic Disease Management,” Victoria, British Columbia, Canada, September 12-14, 2005.

International Conference on Communication in Healthcare. “Permission, Storytelling, and Agency: A Burkean Analysis of Physician-Patient Interactions Incorporating the Flinders Model.” Chicago, Illinois, October 7, 2005.

**EXTERNAL REFEREE (Scholarship in Teaching) FOR PROMOTION AND TENURE**

- 1995 Penny Hansen, Ph.D., for Professor of Physiology, Memorial University of Newfoundland, St. John's, Newfoundland, Canada.
- 1995 Charles Packman, M.D. for Professor of Medicine, University of Rochester School of Medicine, Rochester, New York
- 1996 Isabella Knox, M.D., Ed.M., for Associate Professor of Pediatrics, University of Connecticut, Farmington, Connecticut
- 1997 Thomas Viggiano, M.D., for Professor of Medicine, Mayo Medical School, Rochester, Minnesota
- 1998 Rudolph Mitchell, Jr., Ed.D. for Associate Professor of Family Medicine, Brown University School of Medicine, Providence, Rhode Island

**REFEREE/EDITORIAL BOARDS**

- 1985 - External reviewer for annual Research in Medical Education (RIME) Conference, National Association of American Medical Colleges Meeting.
- 1989 - External reviewer for *Academic Medicine*.
- 1993 External reviewer for book prospectus for Harval Publishing.
- 1993 -1994 External reviewer, Medical College Admissions Test (MCAT).
- 1994 External reviewer, E. Donnal Thomas Resident Research Projects Bassett Healthcare, Cooperstown, NY.
- 1995 - Scholarship Review Board, Touchstone Foundation, York, PA
- 1997 - External reviewer, AERA annual meeting Division I: Education in the Professions
- 1999 - Editorial Board, *Basic Science Educator*
- 1999 - External reviewer, AAMC Group on Educational Affairs annual meeting workshops and presentations
- 2000 - External reviewer, *Teaching and Learning in Medicine*
- 2001 - External reviewer, *Medical Science Monitor*

**AREAS OF ACADEMIC/RESEARCH INTEREST:**

1. Quality Improvement of Teaching and Patient Care in Ambulatory Practice while Teaching Medical Students: Making the addition of students an asset to a teaching micro-unit
2. Teaching and Learning: Effective (active) learning and how teachers help students meaningfully learn
3. Transformative Learning: How teachers can promote critical self-reflection

4. Resident Cognitive Behavior Survey (rCBS) to assess resident learning and attitude towards their learning environment
  - a. Change in Individual resident's performance over residency
  - b. Association of performance of residents on rCBS before and after implementation of faculty development teaching new teaching techniques
  - c. Comparison of rCBS performance of Medicine Residents to General Surgery Residents
5. Preclinical Cognitive Behavior Survey (pCBS) to assess medical student learning and attitude towards learning environment in Years I and II of medical school
  - a. Association of PBL concept mapping ability with pCBS performance
  - b. Comparison of pCBS performance before and after major curriculum change
6. Qualitative Analysis of the SUPPORT nurse narrative data on Death in America
7. Evaluation of educational program of HRSA Predoctoral Training in Primary Care Grant, "The Computer-assisted Learning in Pediatrics Program: A Comprehensive National Internet-Based Self-Directed Learning Methodology in General Pediatrics"
8. Evaluation of educational program for National Quality VA Scholars Fellowship Program using Baldrige framework
9. Evaluation of educational program, teaching and resident competency for Dartmouth-Hitchcock Leadership Preventive Medicine Residency using 360 degree evaluations, portfolio and patient surveys
10. Teaching Community-based General Internal Medicine Faculty how to improve their teaching using quality improvement skills
11. Critical Self Reflection through the use of Journaling as a means of Resident Learning: what are the barriers and facilitators to resident self-reflection when journaling online?
12. Resident Self-Assessment as a means of assessing competency: Is it valid?
13. Online Resident Portfolio to document ACGME competencies as well as to provide data for certification, accreditation and licensure throughout the professional life of a physician
14. Resident needs assessment and development of individualized resident learning plans
15. Patient self care curriculum and how to teach health care providers to teach patients self care
16. Online Portfolios for professional development and documentation of the 6 core competencies
17. Patient self-management and improvement of chronic disease management

## BIBLIOGRAPHY:

### Book Chapters:

1. Regan MG, Regan DH and Demopoulos, HB. The vital respiratory role of tyrosinase in pigmented S-91 melanomas. Pigmentation: its genesis and biologic control (Vernon Riley, Ed.). Appleton, Centry, Crofts, New York 1972.
2. Moore-West M, Regan-Smith, MG, Dietrich AJ, and Kollisch D. Innovations in Medical Education: Enhancing Humanism through the Education Process. Educating Competent and Humane Physicians (H. Hendrie and C. Lloyd, Eds.) Indiana University Press, Indianapolis, Indiana 1990.

3. Regan-Smith, MG. Evaluation and Management of Autoimmune Disease: Ankylosing Spondylitis and Related Disorders, Polymyalgia Rheumatica, Temporal Arteritis. Primary Care: A Collaborative Practice (PB Bailey, TM Buttarro, KH Oas and J Trybulski, Eds.) Mosby, St. Louis, Missouri (1999).

Original Journal Articles:

1. Demopoulos HB, Highman B, Altland PD, Gerving MA and Kaley C. Effect of high altitude of granular juxta-glomerular cells and their possible role in erythropoietin production. *Am. J. Path.* 46:497, 1965.
2. Demopoulos HB, Gerving MA and Bagdoyan H. Selective inhibition of growth and respiration of melanomas by tyrosinase inhibitors. *J. Natl. Cancer Inst.* 35:823, 1965.
3. Roberts ME, Jones C and Gerving MA. Radioprotective action of RNA in mice. *Life Sci.* 4:1913, 1965.
4. Demopoulos HB, Regan MG, and Regan DH. The vital respiratory role of tyrosinase in pigmented melanomas. *J. Invest Derm.*, 54:86, 1970.
5. Regan DH, Laviertes BB, Regan MG, Demopoulos HB and Morris HP. Glutamate-mediated respiration in tumors. *J. Natl. Cancer Inst.*, 51:1013, 1973.
6. Regan MG, Lackner H and Karpatkin S. Platelet function and coagulation profile in lupus erythematosus. Studies in 50 patients. *Ann. Int. Med.* 81:462, 1974.
7. Smith DL\*, Bennett RM and Regan MG. Reiter's disease in women. *Arth. & Rheum.* 23:335, 1980.
8. Goodwin JS and Regan MG. Cognitive dysfunction in the elderly secondary to nonsteroidal anti-inflammatory agents. *Arth. & Rheum.* 25:1013, 1982.
9. Tindall EA\* and Regan MG. Gonococcal osteomyelitis complicating septic arthritis: case presentation and review of literature. *JAMA* 250:2671, 1983.
10. Regan-Smith MG. Improved teaching within a medicine clerkship. *Journal of Medical Education*, 59:753, Sept. 1984.
11. Regan-Smith MG. Teaching clinical reasoning in a clinical clerkship by use of case assessments. *Journal of Medical Education*, 62:60, January 1987.
12. Regan-Smith MG, Dietrich AJ, Olson AL, Moore-West M and Argenti PA. Teaching Communication Strategy and Interviewing Skills in Preparation for Residency Application. *Journal of Medical Education*, 63:801, 1988.
13. Regan-Smith MG, O'Connor GT, Kwoh CK\*, Brown LA and Olmstead EM. The Lack of Correlation between the Severity of Changes Seen on Hand Radiographs and the Degree of Disability in Patients with Rheumatoid Arthritis. *Arth. and Rheum.* 32:128-133, 1989.

14. Regan-Smith MG, Eisold J, Boulter S and Stebbins P. Effective Use of Medical School Alumni to Improve Career Counseling for Students. *Academic Medicine* 64:574-575, 1989.
15. Regan-Smith MG and West DA. Teaching Critical Thinking in the Context of Substance Abuse in a Psychiatry Clerkship. *Academic Medicine*. 65: 89, 1990.
16. Kwoh CK\*, O'Connor GT, Regan-Smith MG, Olmstead EM, Brown LA, Burnett JB, Hochman RF, King K, and Morgan GJ. Concordance Between Clinician and Patient Assessment of Physical and Mental Health Status. *Journal of Rheumatology*, 19, 1031, 1992.
17. Hall FR, Regan-Smith MG, Tivnan T. Relationship of Admissions Interview Scores to Dean's Letter Ratings. *Academic Medicine*, 67, 842, 1992.
18. Krackov SK, Packman CH, Regan-Smith MG, Birskovich L, Seward SJ, Baker SD. Perspectives on Ambulatory Programs: Barriers and Implementation Strategies. *Teaching and Learning in Medicine*, 5, 243, 1993.
19. Regan-Smith MG, Obenshain SS, Woodward C, Richards B, Zeitz H., and Small, P.A. Rote Learning in Medical School. *JAMA*, 272, 1380, 1994.
20. Regan-Smith MG, Graduate School as a Professional Development Experience, *Journal of Staff Development* ,15, 54, 1994.
21. Regan-Smith MG, How Teachers Can Promote Meaningful Learning, *Journal of Cancer Education*, 12, 149, 1997.
22. Regan-Smith, MG, Teachers' Experiential Learning about Learning, *The International Journal of Psychiatry in Medicine*, 28, 11, 1998.
23. Regan-Smith, MG, "Reform without Change": Update 1998, *Academic Medicine*, 73:505-507, 1998.
24. Regan-Smith, MG, Teaching Portfolios: Documentation of Scholarship in Teaching, *Journal of Cancer Education*, 13: 4, 191, 1998.
25. Regan-Smith, MG, Young, W. and AM Keller. An Effective and Efficient Teaching Model for Ambulatory Education, *Academic Medicine*.77, 593, July 2002.
26. Ogrinc G\*, Splaine ME, Foster T\*, Regan-Smith MG and PB Batalden. Exploring and Embracing Complexity in a Distance Learning Curriculum for Physicians, *Academic Medicine*. 78, 280, March 2003.
27. Peltier D, Regan-Smith M, Wofford J, Whelton S, Kennebecks G, Carney P. Teaching Focused Histories and Physical Exams in Ambulatory Care: A Multi-Institutional Randomized Trial. (accepted by *Teaching and Learning in Medicine*, July 2006).

28. Regan-Smith M, Hirschmann K, Iobst W. Direct Observation of Faculty with Feedback: An Effective Means of Improving Patient-Centered and Learner-Centered Teaching Skills. (submitted to *Teaching and Learning in Medicine*, May 2006)
29. Pols RG, Battersby MW, Markwick MJ, Lawrence J, Regan-Smith M, et al. Chronic Condition Self-Management: Is there a need for a specific curriculum for medical students? (submitted to *Medical Journal of Australia*, May 2006).
30. Regan-Smith M, Hirschmann K, Iobst W, Battersby M. Teaching Residents Chronic Disease Management: The Flinders Model. (in press *J Cancer Education*, Summer 2006)

#### Invited Review Articles

Iobst WF\*, Bridges CR\* and Regan-Smith MG. CNS Toxicity from Anti-Rheumatic Drug Therapy in the Elderly. *Geriatrics*, 44:95-102, 1989.

#### Letters to the Editor

1. Smith DL\* and Regan MG. Ibuprofen in psoriatic arthritis. *Arth. & Rheum.* 23:961, 1980.
2. Smith DL\* and Regan MG. Usefulness of the HLA-B27 determination. *Ann. Int. Med.* 92:872, 1980.

#### Commentary

Pounds, L and Regan-Smith, MG. Omissions and Oversights of the AAMC Generalist Initiative. *Academic Medicine*, 68, 667, 1993.

Regan-Smith, MG. Commentary on Flexner's Impact --Then and Now: A profound effect on medical education, research and practice. *The Pharos*, 62:1, 31, 1999.

#### Other Publications

Regan-Smith MG. An out-and-out overhaul of the clinical curriculum. *Dartmouth Medical School Alumni Magazine*. 14-2:10-11, Winter 1989.

#### Abstracts:

1. Regan MG, Lackner H and Karpatkin S. Abnormal Platelet Function in Systemic Lupus Erythematosus. *Amer. Soc. Hematology*. 16:120, 1973.
2. Smith DL\*, Bennett RM and Regan MG. Incomplete Reiter's Disease in Women. Seventh Western Regional Meeting, American Rheumatism Association, November 1978.
3. Bong D\*, Kemple K, Regan MG and Bennett RM. Fever Associated with Acute Pseudogout. Eighth Western Reg. Mtg., American Rheumatism Association Section, November 1979.

4. O'Connor GT, Kwoh CK\*, Regan-Smith MG, Olmstead EM, Brown L, Burnett JB, Hochman R\*, King K and Morgan GJ. Concordance Between Clinicians' and R.A. Patients' Assessment of Physical and Mental Health Status. Scientific Abstracts of American Rheumatism Association Regional Meeting. Montreal, November 1984.
5. O'Connor GT, Regan-Smith MG, Kwoh CK\*, Olmstead EM, Johnson M, Brown L, Burnett J, Hochman R, King K and Morgan GJ. Physicians' and Patients' Assessment of Anxiety/Depression in Rheumatoid Arthritis. Public Health Meeting, November 1985.
6. O'Connor GT, Beck JR, Regan-Smith MG, Cornwell GG III and Morgan GJ. Determinants of Anemia in Individuals with Rheumatoid Arthritis. AFCR, April, 1985.
7. O'Connor GT, Kwoh CK\*, Regan-Smith MG, Olmstead EM, Brown L, Burnett J, Hochman R, King D and Morgan GJ. Concordance Between Clinicians' and Patients' Assessment of Physical and Mental Health Status. ARA Meeting, 1985.
8. Regan-Smith, MG, O'Connor GT, Kwoh CK\*, Brown L and Olmstead EM. Relationship Between Hand Radiographs and Functional Health Status in Rheumatoid Arthritis. ARA Meeting, 1985.
9. O'Donnell, JF and Regan-Smith, MG. Overloaded and Overwhelmed: A Student's Perspective of the Medical Curriculum. Implications for Cancer Educators. Annual Meeting, American Association for Cancer Education-American Cancer Society, October 1992.
10. Regan-Smith, MG, Obenshain SS, Woodward C, Richards B, Zeitz H., and Small, P.A. Student Learning through Rote Memorization in Traditional Compared to Problem-Based Schools: Is it Different? Annual RIME Conference, AAMC, November 1993., Chicago, Ill.
11. Peltier D, Regan-Smith M and Carney, P. Scripting for Third Year Clerks in Outpatient Medicine. Annual Meeting of Clerkship Directors in Internal Medicine, October 18, 2001, Tucson, Arizona.
12. Regan-Smith, MG and Young, W. Integrating the Learner into the Microsystem of Care Using Creative Scheduling. Clinical Symposium, National Forum on Quality Improvement in Health Care, December 10, 2001, Orlando, Florida.
13. Regan-Smith, MG and Wallace, W. Online Resident Portfolios. ACGME Annual Meeting, Building the Foundation for a Successful Program: Mastering the Accreditation Process, March 28, 2002, Chicago, Illinois.
14. Regan-Smith, MG and Mitchell, R. The Cognitive Behavior Survey: A Way to Assess Impact of Residency Duty Hours on Residents' Learning. ACGME Annual Meeting, Building the Foundation for a Successful Program: Mastering the Accreditation Process, March 28, 2002, Chicago, Illinois.

15. Iobst, WF and Regan-Smith, MG. Chart Stimulated Recall during Night Float Rotation. SGEA Annual Meeting, Closing the Loop: Integrating Curriculum, Competence and Feedback, April 15-17, 2004. Savannah, Georgia.
16. Hirschmann, K and Regan-Smith, MG. Permission, Storytelling, and Agency: A Burkean Analysis of Physician-Patient Interactions Incorporating the Flinders Model. International Conference on Communication in Healthcare. Chicago, Illinois, October 7, 2005.

#### Posters:

1. Carney P, Fall L, Ferguson C, Harwood B, Nierenberg D, Reed V, Schiffendecker K, Regan-Smith M. Using an Evaluation Working Group to Assess and Track Educational Processes and Outcomes. (2003 Winner, Most Innovative Poster) NorthEast Group on Educational Affairs, AAMC, April 11-12, 2003, Boston, MA.

#### EXTRAMURAL FUNDING:

1. Soros Foundation for qualitative analysis of SUPPORT critical incident data to answer the question, "From the perspective of the SUPPORT nurses, how do Americans view quality dying?" funded 5-10% 1993-6.
2. VA Quality Scholars Fellowship Program, as program evaluator, funded 10% 2001-
3. Computer-assisted Learning In Pediatrics, as program evaluator, funded 5% 2000- 2002.
4. Community-based General Internal Medicine Faculty Development Program (Dept of Health and Human Services), as faculty for teaching teachers how to teach in their practice, funded 10% Oct 2002-03.
5. Program Evaluation, Member Management Group, Dartmouth-Hitchcock Preventive Medicine Residency, funded 25% July 2002- present
6. Consultant Faculty Development, Lehigh Valley Hospital Department of Medicine, 30% April 2003, 40% July 2003 – June 2004, 50% July 2004- June 2005.
7. Helmut Schumann Fellowship July 2003-June 2005 to develop curriculum for teaching patients self care and for teaching health care providers how to teach patients self care.

#### NEW COURSES/NEW CURRICULA/TEACHING MODELS:

1. Dartmouth Medical School Medicine Clerkship curriculum, 1982. Published in *Journal of Medical Education* in 1984.
2. Clinical problem solving teaching method, 1982. Published in *Journal of Medical Education* in 1987.
3. Dartmouth Medical School Mock Internship Interview Course, 1985. Published in *Journal of Medical Education* in 1988.

4. Dartmouth Medical School Career Counseling Program, 1986. Published, in part, in *Academic Medicine* in 1989.
5. Critical Thinking elective within the Psychiatry Clerkship utilizing primarily substance abuse patients, 1987. Published in *Academic Medicine* in 1990.
6. New Dartmouth Medical School clinical curriculum taught 40 percent in the outpatient setting, 1989. Published in *Teaching and Learning in Medicine* in 1993.
7. General Clerkship to precede core clinical clerkships, 1989.
8. Critical Thinking as a part of Physical Diagnosis course, clerkship curriculum and residency training, 1991-
9. Horizontal curricula throughout all clinical clerkships, 1991-1992.
10. Four-year curriculum template for Robert Wood Johnson Generalist Initiative, 1992.
11. Ambulatory Teaching Model for Longitudinal Clinical Experience, 1996.
12. Concept Mapping as a means of assessing student understanding in PBL as well as lecture format teaching, 1996-
13. Faculty Development Workshops, 1996-
  - Problem-Based Learning Tutor Training
  - Effective Teaching and Learning
  - Effective Lecturing
  - Teaching Portfolios (published in *Journal of Cancer Education* 1998)
  - Giving Feedback
  - Curriculum Development
  - Teaching in the Ambulatory Care Setting (published in *Acad. Med.* 2002)
  - Teaching in a Busy Community Practice
  - Teaching to the Learners' Level: Curriculum Design and Implementation
14. Quality Improvement Teaching Model for preceptors teaching in their clinics (Aim is to improve quality of patient care, quality of teaching and learning and physician productivity) 1998 –
15. Teaching practice microsystem model which includes physician, nurse, staff, student, and patient, 1998- (published in *Academic Medicine*, July 2002)
  - Modified patient appointment schedules
  - Student utilized as patient educator, medical assistant, patient care manager
  - Development of scripts for common chief complaints and patient visits
17. Developmental curriculum model for teaching different level learners, 1999 –
18. Distance Learning and Teaching via Two-Way Interactive Video, 2001- (accepted for publication in *Academic Medicine*, 2002)

TEACHING RESPONSIBILITIES:

1. Medicine Clerkship Director, Dartmouth Medical School, 300 scheduled hours of small-group teaching per year, 1981–1986.
2. Lecturer, Connective Tissue and Bone Section of the Scientific Basis of Medicine, 2-4 hours per year, 1982–1989.
3. Medicine Ward Attending WRJ VA, 1981-1995.
4. Preceptor, Physical Diagnosis year II, 1981-1995.
5. Academic and Career Advising of medical students, 1981-1996 and 1998-
6. Clinical Rheumatology teaching of Rheumatology fellows, 1981-1995.
7. Mock Internship Interview Course, 1985-1995.
8. Instructor, Faculty Development Workshops DMS on-site and off-site 1996-.
9. PBL facilitator/tutor Problem-Based Learning, small group SBM year II 1996-99.
10. Longitudinal Clinical Experience, small group facilitator and community preceptor 1996-99

ACTIVITIES UNDERTAKEN TO IMPROVE TEACHING:

1. Completion of requirements for a Masters in Education, 1989, Harvard University Graduate School of Education, Cambridge, Massachusetts.
2. Completion of requirements for a Doctorate in Education, 1992, Harvard University Graduate School of Education, Cambridge, Massachusetts.
3. Critical Analysis of own Critical Thinking Teaching, Spring 1988.
4. Critical Analysis of own Educational Leadership, Fall 1989.
5. Critical Analysis of self, Doctor as Teacher to Patients: A collaborative study with a patient, Fall 1989.
6. Ethnographic Qualitative Research by Participant Observation, "James Bell: How does he help students learn?" Spring 1988.
7. Ethnographic Qualitative Research by Participant Observation, "Elmer Pfefferkorn: How does he help students learn?" Winter 1989.
8. Ethnographic Qualitative Research by Participant Observation, " David Nierenberg: How does he help students learn?" Spring 1990.
9. Ethnographic Qualitative Research by Participant Observation, "Miguel Marin-Padilla: How does he help students learn?" Spring 1991.

10. Faculty Development Workshops: Mary Imogene Bassett Hospital, 1994; NEGEA, New York City, 1994; WAMI Program at Montana State University, Bozeman, Montana, 1995; Rochester School of Medicine, 1995; Cornell University College of Medicine, 1995, University of Illinois College of Medicine, 1996; Dartmouth Medical School, 1996- , New Jersey Medical School, 1998, New Hampshire AHEC Community Care Training Sites, 1999, Hitchcock South Nashua Campus Dartmouth OB-Gyn Faculty Development workshops: Effective Teaching and Learning 1998, Giving Effective Feedback 1999, Assessing Adequacy and Outcomes of Feedback to Learners February 2000.
11. Educator Observation of Teaching (including videotaping) with feedback of individual faculty, Dartmouth Medical School, 1995-
12. Faculty, The Harvard Macy Institute Program for Physician-Educators, Harvard Medical School and the Harvard Graduate School of Education, Boston, Massachusetts, 1995- (annually 35-45 faculty from US and overseas medical schools meet for 10 days each January and 7 days each May to learn about education and how to apply principles of effective teaching and learning, curriculum development, program evaluation and leadership to projects at their own schools)
13. Quality Improvement redesign of OB/Gyn preceptors' teaching and patient care in clinic, Dartmouth Medical School, Dartmouth Hitchcock Medical Center, Lebanon, N.H., 1998-2000.
14. Quality Improvement redesign of Internal Medicine Ambulatory Care Clinic, White River Junction Veterans Administration Hospital, White River Junction, Vermont, 1999 –2000
15. Quality Improvement redesign of Alice Peck Day Memorial Hospital's Community Care Clinic practice (Family Medicine), Lebanon, N.H., 1999 –2000
16. Teaching Residents How to Teach workshops: Dartmouth Hitchcock Medical Center, Spring 1998, Spring 2000

\* Fellow, Resident or Medical Student