

CURRICULUM VITAE

Summer 2017

NAME: (ROGER) BRUCE SLATER, MD, MPH

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DATE OF BIRTH: April 30, 1951

CITIZENSHIP: United States

EDUCATION:

1973 B.S., Biology, Florida State University, Tallahassee, FL
1977 M.D., University of Florida, Gainesville, FL

POSTGRADUATE EDUCATION:

1977-1978 Post Graduate Year 1 Categorical, Internal Medicine, Louisiana State University Medical Center, Shreveport, LA
1978-1979 Post Graduate Year 2 Categorical, Internal Medicine, University of California-Irvine, Long Beach Veterans Administration Hospital, Long Beach, CA
1979-1980 Post Graduate Year 3 Categorical, Internal Medicine, University of Connecticut, Saint Francis Hospital, Hartford, CT
1991-1993 Primary Care General Internal Medicine Fellowship, George Washington University, Washington, DC
1993 MPH, Epidemiology, George Washington University, Washington, DC
2004-2005 Primary Care Faculty Development Program Fellowship, University of Wisconsin School of Medicine
2011 Advanced Training Program in Health Care Delivery Improvement (Brent James Course), Intermountain Healthcare, Salt Lake City, UT
2013 Techniques of Financial Decision Making, American College of Physician Executives, On-line course.

FACULTY APPOINTMENTS:

1993-2003 Assistant Professor of Medicine, Health Care Sciences and Computer Medicine, George Washington University Medical Faculty Associates, Washington, DC
2003-2003 Associate Professor of Medicine, Health Care Sciences and Computer Medicine, George Washington University Medical Faculty Associates, Washington, DC
2003-2009 Associate Professor of Medicine(CHS), University of Wisconsin School of Medicine and Public Health, Department of Medicine, Madison, WI

- 2004-2009 Associate Professor(CHS), University of Wisconsin School of Medicine and Public Health, Department of Medicine and Department of Biostatistics and Medical Informatics, Madison, WI
- 2009-present Adjunct Associate Professor of Biostatistics and Medical Informatics, University of Wisconsin School of Medicine and Public Health, Madison, WI

OTHER EMPLOYMENT:

- 1980-1983 Lead Physician, Hatch Valley Health Center, Hatch, NM
- 1980-1983 Adjunct Clinical Instructor, University of New Mexico, Albuquerque, NM
- 1983-1991 Area Peace Corps Medical Officer, West Africa and East Africa, caring for and educating a total of 1000 volunteers
- 1991 Expert Consultant, Treatment guidelines written for Peace Corps Medical Director
- 2013-2016 Clinical Informatics, Epic Systems, Inc. Verona, WI

HOSPITAL APPOINTMENTS:

- 1993-2003 Staff Physician, George Washington University Medical Center, Washington, DC
- 2003-2009 Staff Physician, University of Wisconsin Hospital & Clinics, Madison, WI
- 2009-2011 Staff Physician, Meriter Hospital
- 2011-2013 Extended Staff Physician, Meriter Hospital

CONSULTANT APPOINTMENTS:

- 1996 Logician, Computer-based Patient Record, Private Company (paid)
- 1998 Allscripts-3 Touch System of Prescription Writing, Private Company (unpaid)
- 1999-2003 PraxisPress, Primary Care Advisory Board, Private Company (paid)
- 2000-2001 Drug Information Technology (DIT), Private Company (paid)
- 2003-2005 Thomson-Micromedex, Primary Care Advisory Board (paid)
- 2005-2008 Epic Systems, Inc, CME evaluation consultant (paid)
- 2013 Go-live support Epic Systems, Inc. Boise, ID, Rockford, IL, Ft. Myers, FL
- 2016-present Bruce Slater Clinical Informatics Consulting – Cleveland Clinic

BOARD CERTIFICATION:

- 1983-present American Board of Internal Medicine
- 2013-present Board Certified in Clinical Informatics through American Board of Preventive Medicine

MEDICAL LICENSURE:

- 1991-2004 District of Columbia – Medical, # MD019087
- 1993-present State of Virginia – Medical, # 049085 (inactive)
- 2003-present State of Wisconsin – Medical, # 46267-020

COMMITTEES AND ORGANIZATIONS:

George Washington University Medical Center Medical Center

1999-2000 Clinical Data Repository Committee

School of Public Health and Health Services

2000 Distance Education Committee

George Washington University Health Plan

1999-2001 George Washington University Health Plan Credentials Committee

Department of Health Care Sciences:

1993-1995 Clinical Quality Improvement Committee, Department of Health Care Sciences

1993-1996 Lead Physician, George Washington University Health Plan (GWUHP) Herndon

1995 Chair, Electronic Medical Records Committee

1998-1999 Chair, Medical Records Committee

Department of Medicine - Section of General Internal Medicine:

2001 Piloted use of PDAs by housestaff

2002 Piloted secure patient-physician communication system

2003 Computerized and managed faculty on-call system

University of Wisconsin Hospital and Clinics:

2003-2006 CPOE Executive Committee

2003-2006 CPOE Physician Advisory Committee

2005-2006 CPOE Redesign Committee

2005-2009 Information Technology Governance Committee

2006-2007 Co-Chair, Epic Inpatient CPOE Oversight Committee

2006-2009 Epic Inpatient Oversight Committee

2006-2009 Epic Inpatient Meds Management Oversight Committee

University of Wisconsin School of Medicine and Public Health

2004-2009 Medical Education Information Technology Committee

2005-2009 Innovations in Medical Education New Technology Advisory Team

2005-2009 Chair, Computer-based Testing Committee

2006-2009 University of Wisconsin Health Care Advisory Committee

Region:

2000-2003 Vice Chair, Medical Society of the District of Columbia, Information Technology Committee

2005-2007 Member Wisconsin Centers for Medicare & Medicaid Services Doctors Office Quality Information Technology (DOQ-IT) Advisory Committee

National

2004-2005 Secretariat, Clinical Information Systems Working Group of the American Medical Informatics Association

JOURNAL REVIEWER:

2009-2016 International Journal of Medical Informatics

(Previously) Annals of Internal Medicine, Journal of the American Medical Association, Journal of the American Medical Informatics Association, Journal of General Internal Medicine
ACP – Medicine, McMaster Online Repository of Evidence (MORE), University of Wisconsin School of Medicine and Public Health Department of Continuing Professional Development
Reviewer for Informatics Topics

SOCIETY MEMBERSHIPS:

1981-2017 Member, American College of Physicians (ACP)
1992-present Member, American Medical Informatics Association (AMIA)
1993-present Member, Physicians for Human Rights (PHR)
1993-2001 Member, American Academy on Physician and Patient (AAPP)
1994-2005 Physicians for Human Rights, Political asylum examinations for victims of torture
1999-2003 Member, Medical Society of the District of Columbia
2005-2011 Member, Wisconsin Medical Society
2011-present Member, Association of Medical Directors of Information Systems (AMDIS)

HONORS/AWARDS:

1975-1977 National Health Service Corps Scholarship
1996-2017 Fellow, American College of Physicians

CONTINUING MEDICAL EDUCATION:

1980-present American Medical Association Continuing Medical Education Certificate (150 hours of certified medical education activities every three years)
1980, 1983, American College of Physicians Medical Knowledge Self-Assessment Program
1989, 1995 X, VIII, VI, and V
1994 National AAPP Interviewing Course
2011 Intermountain Healthcare – Advanced Training Program in Health Care Improvement

TEACHING EXPERIENCE:

Direct Clinical Teaching:

George Washington University Medical Center

1991-2003 School of Medicine and Health Sciences Medicine 3rd Year Clinical Clerkship
HCS 301 6-8 Third Year Medical Students per year 1-2 half days per week

1993-2003 School of Medicine and Health Sciences Practice of Medicine IDIS 210, 211, 220, 221 Clinical Apprenticeship Program (CAP) 1-2 First and/or Second Year Medical Student Apprenticeship(s) each year

1996-2003 School of Medicine and Health Sciences Practice of Medicine IDIS 210, 211, 220, 221 Problem Based Learning (PBL) 1-2 PBL Groups per year (11-12 first or second year medical students in each group)

- 2000-2003 School of Medicine and Health Sciences Graduate Medical Education Primary Care Program, Clinical Precepting for three primary care internal medicine second year residents for one half-day per week.
- 2000-2003 School of Medicine and Health Sciences Graduate Medical Education Internal Medicine Program – Didactic Teaching Rounds in George Washington University Hospital with a House staff team consisting of a third year resident, a second year resident, two interns, 1-2 medical student acting interns, 1-2 third year medical student clinical clerks and an allied health professional student for one month per year.
- 2001-2003 School of Medicine and Health Sciences Graduate Medical Education Internal Medicine Program, Clinical Precepting for three categorical internal medicine interns for one half-day per week.
- 2002-2003 School of Medicine and Health Sciences Practice of Medicine IDIS 210, 211, 220, 221 Doctor, Patient and Society (DPS) DPS first year group teaching Physical Exam and Interviewing (8 students).

University of Wisconsin School of Medicine and Public Health

- 2004-2008 Preceptor Resident Clinic
- 2004-2009 Ward Attending Teaching Residents, Interns, Medical Students and Pharmacy Students
- 2006-2009 Mentor for 3rd year students on Internal Medicine Rotation

Formal Courses:

George Washington University Medical Center

- 1994-1995 Course Director, PuBH 230-Computer Applications in Public Health
- 1998-1999 Guest Lecturer, PubH 201 Epidemiology and Preventive Medicine
- 1999-2000 Course Co-Director, HSMP 207-Introduction to Information Systems Course (Distance Education)
- 2000-2001 Guest Lecturer, Third Year Medicine/Primary Care Clinical Clerkship Informatics Didactic
- 2001 Course Director, HSMP 207-Introduction to Information Systems Course (Distance Education)

University of Wisconsin School of Medicine and Public Health

- 2004-2009 Informatics Elective for Medical Students Med 918
- 2005 Patient, Doctor and Society Small Group Teaching mentor

New Courses or Programs Developed:

Academic:

George Washington University Medical Center

- 1999 First Distance-Education Health Informatics Course in School of Public Health and Health Services, Co-Developed (HSMP 207 mentioned above)

University of Wisconsin School of Medicine

2004 Informatics Elective for Medical Students Med 632-918

Continuing Education:

- 1994 American College of Physicians Annual Session—co-developed Medical Informatics Resource Room (see below) in the Learning Center to educate ACP physician members at the Annual Session about using computers in clinical practice and demonstrate actual systems for their hands-on use.
- 1995 American College of Physicians Annual Session—developed Model Office in the Medical Informatics Resource Room (see below) to educate ACP physician members at the Annual Session about using Electronic Medical Records in Clinical Practice with a demonstration of my co-built Electronic Medical Record.
- 2002 American College of Physicians Annual Session—developed Handheld User’s Group in the Learning Center 2002 (see below) to bring together ACP physician member handheld users interested in sharing software for handheld computers and demonstrate some free programs available to ACP physician members.
- 2003 American College of Physicians Annual Session – developed Free and Open Source Medical Software Presentation and the Open Source entries in the EHR Challenge (see below).

Student or post-doctoral fellows for whom you served as primary advisor:

Tom Yackel, M.D., Chief Resident 2000-2001—assisted with successful application for Fellowship in Medical Informatics

Arek Jibilian, M.D., Class of 2001—advised Problem-based Learning Group and assisted in securing fourth year rotation experience in International Medicine in Cuba.

Katrina Dy, M.D., Class of 2002—advised Primary Care Apprenticeship, third year clinical rotation, third year Practice of Medicine research project and assisted in securing Dermatology residency at Mayo Clinic

Matthew Klein—M.D., Class of 2002—mentored third year Practice of Medicine research project in Informatics.

COMMUNITY SERVICE:

- 1999-2003 Academic Faculty Mentor in Interdisciplinary Student Community-Oriented Prevention Enhancement Service (ISCOPES) Project for the George Washington University Mammovan Mobile Mammography Service—(A Service-Learning experience for Medical, Nurse Practitioner, Public Health, Health Services Management and Policy and Physical Therapy students), (paid)
- 2000-2003 Evaluation of End-of-Life Grants for GWISH, (paid)
- 2001-2002 Poster Session judge at ACP Regional Meetings, Bethesda, MD, (unpaid)
- 2006-2009 MEDIC program faculty supervising program at Grace homeless shelter

SOFTWARE DEVELOPED:

- 1998-2001 Co-developed outpatient electronic medical record with prescription writer.
2001-2002 Developed outpatient intensive diabetes management program on PDA for pilot research project.

PRESENTATIONS:

Department:

George Washington University Medical Center

1. “Diagnostic Decision Support Systems.” Himmelfarb Medical Library, 1994.
2. “Diagnostic Decision Support Systems.” Himmelfarb Medical Library, 1995
3. “Use of Videotape and Feedback in Teaching the Patient Interview.” Department of Health Care Sciences Grand Rounds, 1995.
4. “Evidence-based Medicine and Relationship-based Care.” Department of Health Care Sciences Grand Rounds, 1996.
5. “Evidence-Based Medicine.” Resident Noon Conference, 1996.

University of Wisconsin School of Medicine and Public Health

1. “Computer Provider Order Entry – The First Step in Computerized Decision Support” VA Hospital Morning Report April 2004
2. “Computer Provider Order Entry at UWHC” – Department of Statistics and BioInformatics May 2004
3. State of the Art Lecture – “Computer Provider Order Entry” – Section of General Internal Medicine June 2004
4. Tissue Conference – “Hypercalcemia with abnormal Chest X-Ray” June 2004
5. “Computer Provider Order Entry at UWHC” – Department of Pharmacy November 2004
6. “Computer Provider Order Entry at UWHC” – Department of Decision Support November 2004
7. “Computer Provider Order Entry at UWHC” – Department of Industrial Engineering Special Topics in Industrial Engineering IE 691 December 2004
8. “CPOE and Quality Improvement” – Department of Population Health PopHealth 703 April 2005
9. “CPOE at UWHC” – Department of Industrial Engineering Seminar in Technology Implementation Strategies IE 859 April 2005
10. Case Presentation – “Somatoform Disorder” Section of General Internal Medicine May 2005
11. “Medical Informatics” Noon Conference Medicine Residency – October 2005
12. “Inpatient Ordering Time for Housestaff: A Comparison of Paper Orders and Computer Provider Order Entry” – Faculty Development Fellowship Project Presentation November 2005
13. “Tropical Skin Rashes” Section of General Internal Medicine Primary Care Conference May 2006
14. “Finding, Organizing and Using Information: Using Computers to Get Things Done” Section of General Internal Medicine Primary Care Conference Jan 2007
15. “A Case of Pancreatitis” Section of General Internal Medicine Primary Care Conference February 2008

Regional:

1. “Survey of Information Needs of Primary Care Providers.” Society of General Internal Medicine, Poster, 1994.
2. “The Use of Computer Technology in Medicine.” Iowa Medical Society’s Annual Scientific Meeting, 1996.
3. “Selecting an Ambulatory CbPR.” ACP Medical Informatics Continuing Education Course, Boston, MA, 1996.
4. “Searching Medline.” CME presentation at University of Maryland Student Health Services, 1998.
5. “Medical Informatics in Public Health.” Virginia Public Health Association Annual Meeting, George Mason University, Fairfax, VA, October 17, 2002.
6. “Open Source EHRs” to MetaStar - Wisconsin Centers for Medicare & Medicaid Services Quality Improvement Organization - January 2005
7. “Computer Provider Order Entry – The Promise of Safer Ordering” Dane County Medical Society Annual Session – October 2005.

National:

American College of Physicians:

1. Faculty Mentor, “Medical Informatics Resource Room.” American College of Physicians Annual Session Learning Center, 1994.
2. Faculty Mentor, “Medical Informatics Resource Room.” American College of Physicians Annual Session Learning Center, with others, 1995.
3. Lead Faculty Mentor, “Medical Informatics Resource Room.” American College of Physicians Annual Session Learning Center, 1996.
4. Faculty Lecturer, “Model Office Computer-based Patient Record Demonstration.” American College of Physicians Annual Session Learning Center, 1996.
5. Lead Faculty Mentor, “Medical Informatics Resource Room.” American College of Physicians Annual Session Learning Center, 1997.
6. Faculty Lecturer, “Model Office Computer-based Patient Record Demonstration.” American College of Physicians Annual Session Learning Center, 1997.
7. Faculty Mentor, “For Those Interested in Computerizing their Practice.” American College of Physicians Annual Session Interest Group, with others, 1997.
8. Faculty Mentor, “Medical Informatics Resource Room.” American College of Physicians Annual Session Learning Center, with others, 1998.
9. Faculty Lecturer, “Model Office Computer-based Patient Record Demonstration.” American College of Physicians Annual Session Learning Center, 1998.
10. Faculty Mentor Post-Graduate Course, “Getting Started Using Computers in Clinical Practice.” American College of Physicians Annual Session Pre-Course with others.
11. Faculty Mentor, “Getting Started Using Computers: Hands-On Experience (Basic).” American College of Physicians Annual Session Workshop, with others, 1998.
12. Faculty Lecturer, “Using Portable Computing Devices (Basic).” American College of Physicians Annual Session Workshop, with others, 1998.
13. Faculty Mentor, “Medical Informatics Resource Room.” American College of Physicians Annual Session Learning Center, with others, 1999.
14. Faculty Lecturer, “Model Office Computer-based Patient Record Demonstration.” American College of Physicians Annual Session Learning Center, 1999.

15. Lead Faculty Lecturer, “Computer Fundamentals.” Workshop, American College of Physicians Annual Session, 1999.
16. Faculty Mentor Post-Graduate Course, “Getting Started Using Computers in Clinical Practice.” American College of Physicians Annual Session Pre-Course, with others, 1999.
17. Faculty Lecturer, “Model Office Computer-based Patient Record Demonstration.” American College of Physicians Annual Session Learning Center, 2000.
18. Lead Faculty Lecturer, “Computer Fundamentals: Basic.” American College of Physicians Annual Session Workshop, 2000.
19. Faculty Lecturer, “Introduction to Computer Networking.” American College of Physicians Annual Session Workshop, 2000.
20. Faculty Mentor, “Answering Clinical Questions with Computers and the Internet.” American College of Physicians Annual Session Workshop, with others, 2000.
21. Faculty Lecturer, “Model Office Computer-based Patient Record Demonstration.” American College of Physicians Annual Session Learning Center, with others, 2001.
22. Lead Faculty Lecturer, “Computer Fundamentals-Intermediate.” American College of Physicians Annual Session Workshop, 2001.
23. Faculty Lecturer, “Introduction to Computer Networking.” American College of Physicians Annual Session Workshop, with others, 2001.
24. Faculty Lecturer, “Using Free Government Databases to Guide Patient Care.” American College of Physicians Annual Session Workshop, with others, 2001.
25. Faculty Lecturer, “HIPAA: Impact on Privacy, Security and Health Care Delivery.” American College of Physicians Annual Session Panel, with others, 2001.
26. Lead Faculty Lecturer, “Electronic Medical Records in Practice Settings.” American College of Physicians Annual Session Learning Center, with others, 2002.
27. Lead Faculty Mentor, “Handheld Users Group Meeting.” American College of Physicians Annual Session Learning Center Interest Group, 2002.
28. Lead Faculty Lecturer, “Computer Fundamentals and Introduction to MEDLINE (Introductory).” American College of Physicians Annual Session Workshop, 2002.
29. Faculty Lecturer, “HIPAA: Impact on Privacy, Security and Health Care Delivery.” American College of Physicians Annual Session Panel, with others, 2002.
30. Lead Faculty Lecturer, “Free and Open Source Medicine Software – OSCAR” American College of Physicians Annual Session Learning Center Presentation. San Diego, California 2003.
31. Lead Faculty Lecturer, “Free and Open Source Medicine Software – TORCH2” American College of Physicians Annual Session Learning Center Presentation. New Orleans, Louisiana 2004.
32. Lead Faculty Lecturer, “Free and Open Source Medicine Software – VistA” American College of Physicians Annual Session Learning Center Presentation. San Francisco, California 2005.

Other National Presentations:

1. “Teaching and Practice in an Electronic Environment” with Dr. Shelly Bader. Association of American Medical Colleges Council of Academic Societies Spring Meeting, 1996.
2. “Information Needs of Primary Care Physicians.” Lecturer, National Library of Medicine Journal Section Committee, 1998.

PUBLICATIONS:

1. Slater B. Commentary on “Interventions improve primary care processes but not necessarily outcomes.” ACP J Club. 1996 Jan-Feb;124:23.
2. Slater B. The Paradox of Electronic Medical Records. Quality Quarterly: Newsletter of Delmarva Foundation. Fall 2001.
3. Moore B, Slater B. The Promise of Computer-based Patient Records in Ambulatory Care. Seminars in Medical Practice. 2002;5(4):13-29.
4. Mintz M, Slater B, Burke H. “Improving Type 2 Diabetes outcomes: Handheld Computer-based Disease Management Program.” J Gen Int Med, 2002;17(Suppl 1):129.
5. Slater B, Burke H, Mintz M. “Developing a cost effective diabetes disease management system for under-served communities.” J Gen Int Med, 2002;17(Suppl 1):88.
6. Slater B. “Computer physician order entry systems. The promise of safer, better care. Hospital Physician. November 2004.
7. Schultz K, Slagle J, Brown R, Douglas S, Frederick B, Lakhani M, Scruggs J, Slater B, Weinger MB, Wood KE, Carayon P. Development of a job task analysis tool for assessing the work of physicians in the intensive care unit. In: Proceedings of the Human Factors and Ergonomics Society Annual Meeting: 16-20 October 2006:1469-1472.

BOOK CHAPTERS:

1. Slater B, Gathering Information: Site visits and Demonstrations, in Carter J, ed, Electronic Medical Records Systems: from Selection to Implementation, pages 371-385. ACP Press. 2001.
2. Slater B, Osheroff, J: Clinical Decision Support, In Carter JH, ed, Electronic Medical Records Systems, Second Edition. Philadelphia, PA: American College of Physicians; 2008:193-213.

ABSTRACTS:

1. Slater B, Burke H. Development of Handheld Clinical Trial Data Entry System. American Medical Informatics Association Annual Session Abstract and Poster. Washington, DC, 2001.
2. Yackel T, Slater B. Patient Profile: A Practice Management System Developed Using An Off-The-Shelf Relational Database Program. J Gen Int Med, 2001;(Suppl 1):95.
3. Slater B, Mintz M, Burke H. Developing a Cost Effective Diabetes Disease Management System for Under-Served Communities. Society of General Internal Medicine, Scientific Meeting, Abstract and Poster. Atlanta, GA, 2002.
4. Mollis S, Slater B, et al. An Education Intervention by Residents to Improve Resident Knowledge and Skills in DNR Discussion. Society of General Internal Medicine, Scientific Meeting, Abstract and Poster, Vancouver, BC, 2003.

GRANT SUPPORT:

1. Co-Principal Investigator. Evaluation of Zileuton in Asthma. Abbott Labs. 1993-1994. \$45,000 per year. (*10% salary support, 10% time spent*)
2. Project Consultant. Evaluation of Computer Provider Order Entry in Intensive Care Units. Agency for Healthcare Research and Quality. Grant Number 1 R01 HS015274-01 2004-2006 (*10% Salary Support*).
3. Project Consultant. Developing Shared EHR Infrastructure in Wisconsin. Transforming Healthcare Quality through Information Technology – Planning Grant. Agency for Healthcare Research and Quality. Grant Number 1 P20 HS015295-01 2004-2005 (*50 hours consulting*).