

# PETER D. STETSON, M.D., M.A.

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## **EDUCATION:**

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2000-2002 Columbia University, New York, NY (Masters in Medical Informatics during NIH-funded post-doctoral fellowship)  
1992-1996 Columbia University, College of Physicians and Surgeons, New York, NY (M.D.)  
1988-1992 Amherst College, Amherst, MA (B.A. Neuroscience)  
1984-1988 Manchester West High School, Manchester, NH

## **PROFESSIONAL EXPERIENCE and POST-DOCTORAL TRAINING:**

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2003-Present Associate Director, Quality Informatics, NewYork-Presbyterian Hospital, NY, NY  
2003-Present Assistant Professor of Clinical Medicine and Clinical Biomedical Informatics, Columbia University, NY, NY  
2003-2005 Associate Director, Internal Medicine Residency Program, Columbia University Medical Center, NY  
2002-Present Assistant Attending Physician, Columbia University Medical Center, NY, NY  
2002-2003 Instructor in Clinical Medicine, Division of General Medicine, Columbia University, NY  
2000-2002 Assistant in Clinical Medicine, Division of General Medicine, Columbia University, NY, NY  
2000-2002 Assistant Physician, Columbia-Presbyterian Medical Center, NY, NY  
2000-2002 Post-doctoral Research Fellow in Medical Informatics, Columbia University, NY, NY  
1999-2000 Chief Resident, Internal Medicine, Columbia-Presbyterian Medical Center, NY, NY  
1996-1999 Internal Medicine Residency, Columbia-Presbyterian Medical Center, NY, NY  
1993(summer) Research Assistant, Synaptic Pharmaceutical Corp., with Lawrence Borden PhD  
1992(summer) Assistant Director, Advanced Studies Program, St. Paul's School, Concord, NH  
1991(summer) Teaching Assistant, Biology, Advanced Studies Program, St. Paul's School, Concord, NH  
1990(summer) Howard Hughes Research Fellow, Amherst College, with Dominic Poccia, PhD

## **AWARDS:**

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2002 Paper, the "Sublanguage of Cross-Coverage", nominated for both Best Paper and Homer Warner Awards at the AMIA Symposium 2002, San Antonio, Texas. Won Best Paper on Application.  
1999 Nominated, Clinical Educator Award, Columbia-Presbyterian Medical Center, NY, NY  
1997 House Staff Award for Clinical Research, Columbia-Presbyterian Medical Center, NY, NY  
1992-1994 John Woodruff Simpson Fellowship in Medicine from Amherst College  
1990 Howard Hughes Summer Research Fellowship, Amherst College

## **CERTIFICATION:**

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2001-Present Good Clinical Practices, Columbia University  
1999-2009 Diplomate, American Board of Internal Medicine  
1999-Present Licensed, New York State in Internal Medicine  
1999-Present BLS/ACLS

## **PROFESSIONAL MEMBERSHIPS:**

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2005-Present	Society of Hospital Medicine
2003-2005	Association of Program Directors in Internal Medicine
2000-Present	American Medical Informatics Association
1994-2001	American Medical Association

## **TEACHING EXPERIENCE:**

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2003-2005	Associate Program Director for the Internal Medicine Residency Program at Columbia University Medical Center, New York (140 residents)
Spring 2002	Teaching Assistant, Department of Medical Informatics, Columbia University, NY, NY Class: User Interfaces in Medicine
2000-Present	Preceptor for Medical Students, General Medicine, Columbia University Medical Center
1999-Present	Guest Lecturer, Clinical Epidemiology Course for Medical Interns, Columbia University Medical Center, NY, NY
1999-Present	Clinical Ward Attending, Columbia University Medical Center, NY, NY

## **LECTURES:**

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2003-Present	Patient Safety Series (3 modules: Medical Errors, Computerized Provider Order Entry, Resident Fatigue) given annually at the Residency Program's Noon Conference Series
2002-Present	Topic: Automated Detection of Medical Errors Division of General Medicine Conference, Columbia-Presbyterian Medical Center, NY, NY. Medical Grand Rounds, St. Vincent's Hospital, Bridgeport, CT Medical Grand Rounds, Columbia-Presbyterian Medical Center – Allen Pavilion, NY, NY
8/2001, 8/2002	Topic: Medical Informatics Medical Grand Rounds, St. Vincent's Hospital, Bridgeport, CT Medical Grand Rounds, Columbia-Presbyterian Medical Center – Allen Pavillion, NY, NY
2000-Present	Special Lecture: How to Prepare for the Internal Medicine Board Examination Columbia/Harvard Updates in Internal Medicine, NY, NY

## **COMMITTEES AND RESEARCH GROUPS:**

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2003-Present	Chair, Structured Documentation Subgroup of the Clinical Quality and Information Technology Committee, NewYork-Presbyterian Hospital, NY, NY
2003-Present	Co-Chair, Joint Alerts Committee, NewYork-Presbyterian Hospital, NY, NY
2003-2005	Chair, Clinical Competency Committee, Department of Medicine's Internal Medicine Residency Program
2003-Present	Director, eNote Development Team, Columbia University Medical Center, NY, NY
2001-Present	LABL – Laboratory for Biomedical Language headed by Stephen B. Johnson, Carol Freidman, Department of Biomedical Informatics, Columbia University, NY, NY
2000-Present	Data Mining Group headed by George Hripcsak, MD, MS, Department of Medical Informatics, Columbia University, NY, NY
2000-Present	Patient Safety Research Group headed by George Hripcsak, MD, MS, Department of Medical Informatics, Columbia University, NY, NY
1999 - Present	Resident Selection Committee, Department of Internal Medicine, Columbia-Presbyterian Medical Center, NY, NY
1999 - 2005	Resident Education Committee, Department of Internal Medicine, Columbia-Presbyterian Medical Center, NY, NY

## **RESEARCH SUPPORT:**

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- 2005-2008      1 K22-LM8805-01 October 2005 – September 2008  
National Library of Medicine  
Title: Automated Detection of Medical Errors  
Role: Principle Investigator  
Goal: Improving automated detection of adverse medical events in a complete electronic narrative record and identification of clinical pathway deviations utilizing natural language processing.
- 2004-2005      5 RO1 LM007268-03 September 2002 – September 2005  
National Library of Medicine  
Title: Using Narrative Data to Enrich the Online Medical Record  
Role: Co-investigator  
Goal: Enhancing the electronic medical record with coded clinical narrative.
- 2004-2005      Improving Quality of Care Using an Inpatient Electronic Medical Record  
New York State Department of Health Empire Clinical Investigator Program (ECRIP)  
Role: PI
- 2003-2004      Computerized Detection of Adverse Medical Events  
New York State Department of Health Empire Clinical Investigator Program (ECRIP)  
Role: PI
- 2001-2004      Mining complex clinical data for patient safety research      1 R18 HS11806  
Agency for Healthcare Research and Quality  
Role: Clinical Expert, Student Investigator  
Applying data mining techniques to a clinical data repository and the output of a natural language processor to detect adverse medical events.
- 2000-2003      Training Grant, Research Fellowship      NO1-LM07079  
National Library of Medicine

## **SELECTED PEER-REVIEWED PUBLICATIONS (CHRONOLOGICAL ORDER):**

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1. Stetson, PD. [Abstract] Underutilization of Cardiac Testing in Elderly Patients with Syncope. Council for Geriatric Cardiology. March 1998
2. Maurer MS, Alabre M, Stetson PD, Bloomfield DM. Carotid Sinus Hypersensitivity and Falls in the Elderly: A Renewed Interest in an “Old” Disorder. Society of Geriatric Cardiology. CVR&R. December 2000. pgs. 669-678.
3. Stetson PD, McKnight LK, Bakken S, Curran C, Kubose TT, Cimino JJ. Development of an Ontology to Model Medical Errors, Information Needs, and the Clinical Communication Space. Proceedings of AMIA. 2001 pgs. 672 – 676. **(Republished in “Enabling Patient Safety Through Informatics” supplemental edition of JAMIA Nov/Dec 2002 Vol 9(6) pgs. s86-91 )**
4. McKnight LK, Stetson PD, Bakken S, Curran C, Cimino J. Perceived Information Needs and Communication Difficulties of Inpatient Physicians and Nurses. Proceedings of AMIA. 2001 pgs. 453 - 457. **(Republished in “Enabling Patient Safety Through Informatics” supplemental edition of JAMIA Nov/Dec 2002 Vol 9(6) pgs. s64-69 )**
5. Stetson PD, Johnson SB, Scotch M, Hripcsak G. The Sublanguage of Cross-Coverage. Proceedings of AMIA 2002 pgs. 742-746 **(awarded Best Paper on Application, AMIA 2002 Symposium)**

6. Stetson PD, McKnight LK, Chen ES, Cimino JJ. [Abstract] Design of a Web-Based Care Team Scheduler for PalmCIS. Proceedings of AMIA 2002 pg. 1172
7. Chen ES, McKnight LK, Stetson PD, Cimino JJ. [Abstract] Issues in Developing Clinical Applications for the Wireless Environment. Proceedings of AMIA 2002 pg. 995
8. McKnight LK, Stetson PD, Chen ES, Cimino JJ. [Abstract] Improving Clinical Communication with a Virtual Whiteboard. Proceedings of AMIA 2002 pg. 1102
9. Bates, D.W., R.S. Evans, H. Murff, P.D. Stetson, L. Pizziferri, G. Hripcsak, Policy and the future of adverse event detection using information technology. J Am Med Inform Assoc, 2003. **10**(2): p. 226-8.
10. Bates, D.W., R.S. Evans, H. Murff, P.D. Stetson, L. Pizziferri, G. Hripcsak, Detecting adverse events using information technology. J Am Med Inform Assoc, 2003. **10**(2): p. 115-28.
11. Hripcsak, G., S. Bakken, P.D. Stetson, V.L. Patel, Mining complex clinical data for patient safety research: a framework for event discovery. J Biomed Inform, 2003. **36**(1-2): p. 120-30.
12. Cao, H., P. Stetson, G. Hripcsak, Assessing explicit error reporting in the narrative electronic medical record using keyword searching. J Biomed Inform, 2003. **36**(1-2): p. 99-105.
13. Lei, J., E.S. Chen, P.D. Stetson, L.K. McKnight, E.A. Mendonca, J.J. Cimino, [Abstract] Development of infobuttons in a wireless environment Proc AMIA Symp, 2003. **11**(1): p. 906.
14. Chen, E.S., E.A. Mendonca, L.K. McKnight, P.D. Stetson, J. Lei, J.J. Cimino, PalmCIS: A Wireless Handheld Application for Satisfying Clinician Information Needs. J Am Med Inform Assoc, 2004. **11**(1): p. 19-28.
15. Hripcsak, G., P.D. Stetson, and P.G. Gordon, Using the Federated Council for Internal Medicine curricular guide and administrative codes to assess IM residents' breadth of experience. Acad Med, 2004. **79**(6): p. 557-63.
16. Mendonca EA, Chen ES, Stetson PD, McKnight LK, Lei J, Cimino JJ. Approach to mobile information and communication for health care. Int J Med Inf 2004;73(7-8):631-8.
17. J. Lei, P. D. Stetson, E. S. Chen, L. K. McKnight, E. A. Mendonca, and J. J. Cimino [Abstract] Structured Data Entry of Cross-coverage Notes Using a PDA Proc AMIA Symp, 2004
18. A. C. Yu, P. D. Stetson, and G. Hripcsak [Abstract] Detection of Adverse Events Using Conflicts in the Electronic Medical Record. Proc AMIA Symp 2004
19. Stetson PD, Lee PG, Bakken S, Johnson SB, Haas J, Chang JC, Shea S. [Abstract] Electronic Clinical Documentation to Support Patient Safety. Society of Hospital Medicine, Innovations Track, Chicago 2005.
20. Stetson PD, Keselman A, Rappaport D, Van Vleck T, Cooper M, Boyer A, Hripcsak G. [Abstract] Electronic Discharge Summaries. Proceedings of AIMA 2005 pg. 1121
21. Haas JP, Bakken S, Bright TJ, Melton GB, Stetson P, Johnson SB. [Abstract] Clinicians' Perceptions of Usability of eNote. Proceedings of AMIA 2005 pg. 973
22. Kuperman GJ, Diamente R, Khatu V, Chan-Kraushner T, Stetson P, Boyer A, Cooper M. "Managing the Alert Process at NewYork-Presbyterian Hospital". Proceedings of AMIA 2005 pgs. 415-419.
23. Stetson PD, Lee PG, Shea S. [Abstract] Electronic Documentation With eNote Enhances Physician Billing on an Academic Hospitalist Unit. (accepted for Society of Hospital Medicine Meeting 2006)

24. Kuperman GJ, Boyer A, Cole C, Forman B, Stetson PD, Cooper M. Using IT to Improve Quality at NewYork-Presbyterian Hospital: A Requirements-Driven Strategic Planning Process (accepted as paper for AMIA 2006)

**BOOK CHAPTERS:**

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Campbell D, Stetson PD. A Guide to Hospitals and Inpatient Care (Chapter: Medical Informatics) Editors:  
Siegler EL, Mirafzali S, Foust J. Springer Publishing Co. February 2003

**JOURNAL REVIEWER:**

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Journal of the American Medical Informatics Association  
Journal of Biomedical Informatics

**COMPUTER PROGRAMMING EXPERIENCE:**

Perl, Java, and CGI for dynamic Web content.

Relational databases, particularly MYSQL.

Coded medical terminologies including UMLS, MED (Medical Entities Dictionary), and NDC.

Medical Natural Language Processing