

## Curriculum Vitae

**Gale Gabrielle Hannigan, PhD, MPH, AHIP**

### I. Summary Record of Faculty Appointment

Address: 2900 Vista del Rey NE #14A  
Albuquerque, NM 87112  
Phone: 505-414-6418  
Email: [ghannigan@salud.unm.edu](mailto:ghannigan@salud.unm.edu)

Rank:

Research Professor, Health Sciences Library & Informatics Center  
University of New Mexico, 2013-present  
Visiting Professor, Health Sciences Library & Informatics Center  
University of New Mexico, 2011-2013

Adjunct Faculty, School of Library and Information Sciences,  
University of North Texas, 2001-present

Professor, Medical Sciences Library, Texas A&M (retired)  
University Libraries 2005-2011  
Assistant Professor, Department of Internal Medicine, College of  
Medicine

Lecturer, School of Rural Public Health

Date of Appointment: June 1, 1990

Date on Tenure Track: March 28, 2003

Tenure Awarded: March 28, 2003

Dates in Rank: Librarian II 1990-1994

Librarian III 1994-2003/Associate Professor 2003-2005

Professor, 2005-

University of New Mexico Health Sciences Library & Informatics Center  
Visiting Professor 2011-2013  
Research Professor 2013-present

### II. Education and Experience

#### A. Education

PhD, Information Science, University of North Texas May 2000.

Thesis: The MEDLINE Metric: A Method to Assess Medical Students' MEDLINE Search Effectiveness.

Masters in Public Health, University of Texas May 1982.

Major: Urban Health

Masters in Library and Information Studies, University of California, Berkeley,  
June 1977.

BA, University of California, Berkeley, (with honors), June 1973.  
Majors: Philosophy & English

## **B. Professional Experience**

Houston Academy of Medicine-Texas Medical Center Library.  
Information Services Librarian/Database Searcher 1977-1979.  
Coordinator for Physician Services 1979-1982.  
Specialized information services as clinical librarian to Baylor  
College of Medicine's Department of Family Medicine (5  
hours/week) and to the University of Texas Medical School's  
Department of Pediatrics (15 hours/week), 1981-1982.

University of Minnesota Bio-Medical Library.  
Head of the Learning Resources Center 1982-1986.  
(Continuous appointment granted 1984).

The Upjohn Company, Medical Library Services.  
Manager 1986-1990.

University of Texas School of Library and Information Sciences.  
Adjunct Lecturer 1990-1992. Research Methods course

Texas A&M University Medical Sciences Library.  
Manager, Education and Information Services 1990-1995.  
Medical Informatics Specialist 1995-1996.

Texas A&M University Medical Sciences Library & Texas A&M University  
System HSC College of Medicine (Joint appointment).  
Director, Informatics for Medical Education 1996- 2011.  

- Develop opportunities in curriculum for informatics education.
- Promote awareness and integration of informatics skills.
- Teach medical and public health students.
- Direct Learning Resources Centers.

University of North Texas School of Library and Information Sciences.  
Adjunct Faculty 2001-present.  

- Teach Introduction to Health Sciences Information Management  
course 2001-2009.
- Teach Community & Public Health Information course 2011-  
present.

University of New Mexico Health Sciences Library & Informatics Center  
Visiting Professor 2011-2013  
Research Professor 2013-present

## **III. Documentation of Research, Publication and Other Scholarly Activities**

### **A. Publications**

## 1. Monographs

*Annual Statistics of Medical School Libraries in the United States and Canada, 1977-1978.* Houston: AAHSLD. 142 p. Assistant Project Director.

*Annual Statistics of Medical School Libraries in the United States and Canada, 1978-1979.* Houston: AAHSLD. 173 p. Assistant Project Director.

Hannigan, G.G. & Brown, J.F. *Managing Public Access Microcomputers in Health Sciences Libraries* Chicago: Medical Library Association, 1990.

Brown, J.F. & Hannigan, G.G. *Informatics in the Health Sciences Curriculum. MLA DocKit.* Chicago Medical Library Association, 1999. 405 p.

Hannigan, G.G. *The MEDLINE Metric: A Method to Assess Medical Students' MEDLINE Search Effectiveness.* Ph.D. Dissertation, University of North Texas, 2000.

Sewell, R.R., Brown, J.F., Hannigan, G.G. *Informatics in Health Sciences Curricula, revised ed. MLA DocKit.* Chicago, Medical Library Association, 2005.

## 2. Refereed Publications

Eakin, D., Jackson, S.J., & Hannigan, G.G. "Consumer Health Information: Libraries as Partners." *Bulletin of the Medical Library Association.* 1980; 68(2):220-229.

Grose, N.P. & Hannigan, G.G. "A Clinical Librarian Program in a Family Medicine Residency." *Journal of Family Practice.* 1982; 15(5):994,998.

Ellis, L.B.M. & Hannigan, G.G. "Computers as Learning Resources in the Health Sciences: Impact and Issues." *Bulletin of the Medical Library Association.* 1986; 74(2):95-99.

## 3. Invited Journal Articles, Book Chapters, and Essays

Hannigan, G.G. "Clinical Librarianship - The Job Market." *Clinical Librarian Quarterly.* 1982; 1(1):5.

Brown, J.F. & Hannigan, G.G. "Microcomputers and Reference Service." *Current Practice in Health Sciences Libraries, Vol. 1: Reference and Information Services in Health Sciences Libraries.* Wood, M.S., ed. Metuchen: Scarecrow-MLA, 1994: 143-178.

Bartold, S.P. & Hannigan, G.G. "Decision Making, Statistics, and Informatics." *Nuclear Medicine.* R. Henkin, ed. St. Louis: Mosby, 1996:10-29.

Hannigan G.G. "Librarian as Patient: A View From the Other Side." *American Libraries.* 1998 November:48-50.

- Hannigan, G.G. & Dalton, K.J. Librarian as Educator, or Dewey, Dewey, and You? In: Priscilla K. Shontz, ed. *The Librarian's Career Guidebook*. Lanham, MD: Scarecrow Press, 2004: 406-415.
- Hannigan, G.G. Computers & Medical Information Elective at Texas A&M University. In: Elizabeth Connor, *A Guide to Developing End User Education Programs in Medical Libraries*. New York: Haworth Press, 2005: 1-14.
- Bartold, S.P. & Hannigan, G.G. "Decision Making, Statistics, and Informatics." *Nuclear Medicine*. R. Henkin, ed. 2 ed. New York: Elsevier, 2006:10-32.
- Hannigan, G.G. & Eldredge, J.D. "The Health Sciences Environment." *Health Sciences Librarianship*. M. Sandra Wood, ed. (Medical Library Association Books). Lanham, MD: Rowman & Littlefield, 2014:30-56.
- Eldredge, J.D. & Hannigan, G.G. "Emerging Trends in Health Sciences Libraries." *Health Sciences Librarianship*. M Sandra Wood, ed. (Medical Library Association Books). Lanham, MD: Rowman & Littlefield, 2014:57-83.

#### **4. Journal Articles, Book Chapters, and Essays**

- Hannigan G.G. "A New Column: Medical Informatics." *Medical Reference Services Quarterly*. 1994; 13(1):93-95.
- Hannigan, G.G. & Edwards, K.A. "Medical Informatics in the Medical School Curriculum." *Medical Reference Services Quarterly*. 1996; 15(1):71-76.
- Hannigan, G.G., et al. "Computers and Medical Information: An Elective for Fourth-Year Medical Students." *Medical Reference Services Quarterly*. 1996;15(4):81-88.
- Hannigan, G.G. "Action Research: Methods That Make Sense." *Medical Reference Services Quarterly*. 1997 Spring; 16(1):53-58.
- Hannigan, G.G. & Seago, B.L. "Medical Informatics and Education and Training Columns Will Merge." *Medical Reference Services Quarterly*. 1999;18(1):73-75.
- Eldredge, J.D., Piper, D., & Hannigan, G.G. "La Biblioteca Medica Nacional: The National Medical Library of Cuba." Brief communication. *Journal of the Medical Library Association*. 2002 April; 90(2):246-248.
- Goodwin, S., Burford, N., Bedard, M., Carrigan, C., Hannigan, G.G., CMS/CMS: Content Management System/Change Management Strategies. *Library Hi Tech*. 2006;24(1):54-60.
- Kroth PJ, Phillips, HJ, Hannigan G. Institutional Repository Access Patterns of Nontraditionally Published Academic Content: What Types of Content

are Accessed the Most? J Electron Res Med Libr. 2010 Aug 25; 7(3):189-95.

## 5. Other Publications

### Proceedings:

Ellis, L.B.M. & Hannigan, G.G. "Instructional Computing for the Health Sciences: a Cooperative Effort." *Proceedings of the Eighth Annual Symposium on Computer Applications in Medical Care*. Nov 4-7, 1984, Washington, DC: Institute of Electrical and Electronics Engineers, 1984; 995-998.

Hannigan, G.G & Bartold, S.P. "Choosing a Cutoff to Determine Mastery in Information Retrieval: An Optimal Discriminator Based on ROC Analysis." Abstract. *Proceedings of the Southwestern and Rocky Mountain Region AAAS*. Las Cruces, NM, April 9-12, 2000; Abstracts; p. A-9.

### Electronic Publications:

Olmstadt, W. & Hannigan, G.G. "Designing and Delivering a Public Health Informatics Course." Refereed publication. [*Issues in Science and Technology Librarianship*, 28, Fall 2000 Online]. Available: <http://www.istl.org>

### Evidence-Based Summaries

Hannigan, G.G. Identifying Relevant Controlled Clinical Trials for Systematic Reviews Requires Searching Multiple Resources – and, Even Then, Comprehensiveness is Questionable. Evidence Summary. *Evidence Based Library and Information Practice*. 2006;1(4):54-56.  
<http://ejournals.library.ualberta.ca/index.php/EBLIP>

### Curriculum Competencies:

Bartold, S.P. & Hannigan, G.G. "Information Management" in *Journal of Hospital Medicine*. The Core Competencies in Hospital Medicine. 2006;1(S1): 75.

### Reviews:

Hannigan, G.G. *Searching Online for Health Sciences Audiovisuals* by A. Jacobs, A. Van Camp and L. Watson. Invited review. *Bulletin of the Medical Library Association*. 1986; 74(2):173.

Hannigan, G.G. *The Library Microcomputer Environment: Management Issues* by S.S. Intner & J.A. Hannigan .Invited review. *Bulletin of the Medical Library Association*. 1989; 77(2):227.

Bartold, S.P. & Hannigan, G.G. *JMRI: Journal of Magnetic Resonance Imaging*. Invited review. *JAMA* 1992; 268:1781.

Hannigan, G.G. *Designing Information: New Roles for Librarians*. Edited by Linda C. Smith and Prudence W. Dalrymple. Invited review. Champaign, IL: Graduate School of Library and Information Science, University of Illinois, 1993. (Clinic on Library Applications of Data Processing: 1992). *Bulletin of the Medical Library Association*. 1994; 82(2):233-234.

Bartold, S.P. & Hannigan, G.G. "Harrison's 14 CD and Harrison's Online." Invited review. *Bulletin of the Medical Library Association*. 1999 January; 87(1):107-108.

Bartold, S.P. & Hannigan, G.G. *Understanding Cancer* by C. Norman Coleman. Baltimore: Johns Hopkins University Press, 1999. Invited review. *Medical Reference Services Quarterly*. 2000;19(1):95-97.

Bartold, S.P. & Hannigan, G.G. *DXplain*. Invited review. *Journal of the Medical Library Association*. 2002 April; 90(2):267-268.

### **Editorship:**

*Medical Reference Services Quarterly*. Informatics Column editor, 1994-1999.

### **Published Abstracts:**

Hannigan, G.G. Organizing Personal Reprint Files. Poster session at the Annual Meeting of the Medical Library Association. Anaheim, CA; 1982.

Hannigan, G.G. The University of Minnesota Bio-Medical Library Learning Resources Center. Poster session, Annual Meeting of the Medical Library Association. Minneapolis, MN; May 1986.

Hannigan, G.G, Henry, B., McCullough, E.A., Bartold, S.P., & Swader, W. Computers and Medical Information Elective. Poster session at the Annual Meeting of the Medical Library Association. San Antonio, TX; May 1994.

MacNeil, K.J., Kochevar, D.T., & Hannigan, G.G. Case-based Library Instruction. Poster session at the Annual Meeting of the Medical Library Association. Washington, DC; May 1995.

- Bartold, S.P. & Hannigan, G.G. Diagnostic Computing: An Elective for Fourth-Year Medical Students. Poster session at the International Medical Informatics Association Meeting. Vancouver, BC; July 1995.
- Bramson, R., Hannigan, G.G. Self-Directed Learning Assignment in a Primary Care Preceptorship: A Pilot Project in Medical Education. Poster session at the North American Primary Care Research Group Meeting. Houston, TX; Nov 1995.
- Hannigan, G.G., Pliego, J., & Thompson, K. The Internet Rx. Poster session at the Annual Meeting of the Medical Library Association. Vancouver, BC; May 2000.
- DeSantis, M., Hannigan, G., Montoya, C., & Vugrin, M. Virtual Meetings to Support the CATCHUM Consortium: Forming a Community in Cyberspace. Poster session at the Annual Meeting of the Medical Library Association. Vancouver, BC; May 2000.
- Pokala, S. & Hannigan, G.G. Teaching Information Mastery: The Informatics Rotation. Poster session. Medical Library Association Annual Meeting. Dallas, TX; May 2002.
- Hannigan, G.G., et al. Mentoring the Next Generation of Health Sciences Librarians: Putting Students in Touch With Practitioners. Poster session. Medical Library Association Annual Meeting. Dallas, TX; May 2002.
- Piper, D., Eldredge, J.D., & Hannigan, G.G. An Introduction to Cuba's Health Information System. Poster session. Medical Library Association Annual Meeting. Dallas, TX; May 2002.
- Hannigan, G.G., Bramson, R., & Cleveland, A.D. MEDLINE Metric: A Method to Assess Medical Students' Search Effectiveness. Poster session. American Medical Informatics Association Annual Meeting. San Antonio, TX, November 2002.
- Pokala, S., Hannigan, G.G., & Win, S. IM Clerkship Informatics Rotation. Poster session. Clerkship Directors of Information Medicine (CDIM) National Meeting. Washington, DC; October 2002.
- Hannigan, G.G. & Bartold, S.P. International Distribution of Authorship in the Nuclear Medicine Literature: A Bibliometric Analysis. Poster session. World Congress of Nuclear Medicine and Biology. Santiago, Chile; October 2002.
- Cleveland, A.D., Hannigan, G.G., Bedard, M., Philbrick, J.L., Turner, P.M., Recruiting the Next Generation of Biomedical Librarians: Meeting Increasingly Complex Information Needs by Building on a Biomedical Sciences Education Foundation. ICML 9

Abstracts: Commitment to Equity, Salvador, Bahia, Brasil 20-23  
September, 2005, p. 81.

### **Internal Publications:**

Roht, L.H., Gardner, J.S., Howse, C.R., Mariano, J.P., O'Connell, M.J.,  
& Hannigan, G.G. "The Drug Abuse Warning Network  
(DAWN)." *Upjohn Technical Report 9147/89/001*. Nov 20,  
1989.

## **B. Grants and Research Activities**

### **1. Grants and Funded Projects/Research**

Hannigan, G.G. The MEDLINE Metric: A Method to Assess Medical Students' Search Effectiveness. 2003. Funded, in part, by MLA/ISI Doctoral Fellowship. \$2,000.

Hannigan, G.G., Williams, J., & Bathurst, J. Use of Personal Digital Assistants by Public Health Students. 2002. Funded by Campus Computer Access Fee Competitive Grant. \$6,000.

Bedard, M., Cleveland A., Turner P., Hannigan, G.G. An Innovative Partnership to Recruit and Educate Health Information Professionals for the 21<sup>st</sup> Century. 2003. Institute of Museum and Library Services Recruitment Grant. \$401,000 (3 years).

CATCHUM (National Cancer Institute Grant # 1 R25 CA65618)  
Steering Committee, College of Medicine Representative/Institutional co-PI \$7,000/year while at Texas A&M.

Health Disparities Information Outreach Award, 2013-2014 (\$5,000).  
Project Manager  
Funds from the National Library of Medicine, National Institutes of Health, under Contract No. HHSN-276-2011-00007-C with the Houston Academy of Medicine-Texas Medical Center Library

Express Outreach Award, 2013-2014 (\$5,000), Project Manager  
Funds from the National Library of Medicine, National Institutes of Health, under Contract No. HHSN-276-2011-00007-C with the Houston Academy of Medicine-Texas Medical Center Library

Digital Preservation and Access Award, 2013-2014 (\$25,000), PI  
National Network/Libraries of Medicine South Central Region



Funds from the National Library of Medicine, National Institutes of Health, under Contract No. HHSN-276-2011-00007-C with the Houston Academy of Medicine-Texas Medical Center Library

## **2. Completed Research**

Hannigan, G.G. The MEDLINE Metric: A Method to Assess Medical Students' Search Effectiveness. 2003. Funded, in part, by MLA/ISI Doctoral Fellowship. \$2,000.

## **3. Grant Proposals, Projects/Research in Progress, and Projected Research**

Electronic Consumer Health Outreach Award, 2014-2015 (\$25,000), PI  
Funds from the Department of Health and Human Services, National Institutes of Health, National Library of Medicine, under Contract No. HHSN-276-2011-00007-C with the Houston Academy of Medicine-Texas Medical Center Library.

## **C. Presentation**

### **1. Invited Presentations**

Ryan, T. & Hannigan, G.G. Library Faculty Retreat. MLA South Central Regional Group Annual Meeting. Houston, TX; 1979.

Panel Member. Consumer Health Information. MLA South Central Regional Group Meeting. Houston, TX; 1979.

Invited Guest Lecturer. Overview of Print Materials in the Medical Field. Advanced Reference Topics Course. Sam Houston State University Graduate School of Library Science. Texas; 1979.

Finding Information About Database Services. Texas ASIS/SLA Joint Meeting. Austin, TX; 1980.

Personal Filing Systems – The Basics. Personal Filing Systems, University of Texas Health Sciences Center Library. San Antonio, TX; 1981.

Hospital, Clinical, and Circuit Librarian Employment Opportunities – Clinical Librarianship. Job Market '82. MLA Annual Meeting. Anaheim, CA; 1982.

University of Minnesota University Libraries ESPRI presentation. Learning Resources. December 7, 1983.

Participation in the Medical Education Forum: Alternatives to the Lecture. University of Minnesota Medical School: "Enhancing Instruction with Learning Resources: The New Look in the Health Sciences Learning

Resources Center.” May 16, 1983 “Application of Computers for Instruction, I: Resources for CAI in the Learning Center.” June 6, 1983.

The Health Sciences Learning Resources Center – New Directions for Independent Learning. University of Minnesota Medical Education Forum. April 9, 1984.

Computer Learning Resources. Presented at Innovations in Computer Applications. Minnesota Health Sciences Library Association meeting. Duluth, MN; October 5, 1984.

Audiovisual Interlibrary Loan. Arrowhead Professional Library Association meeting. Duluth, MN; December 12, 1984.

Audiovisual Interlibrary Loan. Valley Medical Network. Moorhead, MN; July 25, 1985.

New Technologies for Independent Learning/Continuing Education. Keynote presentation at the Sixth Annual Seminar for Continuing Medical Education Directors. Update on Use of Enduring Materials for CME, Minnesota Medical Association. Wayzata, MN; November 15, 1985.

The Effects of the Introduction of Public Access Computers in a Library Environment. Information Seminars. College of St. Catherine, St. Paul, MN; November 23, 1985.

Learning Resources for the Future. Health Informatics Seminar. University of Minnesota, Minneapolis, MN; April 21, 28, 1985.

Facilitator for Learning Resources Centers in the Health Sciences Library. Roundtable Discussion. Medical Library Association Annual Meeting. Minneapolis, MN; May 1986.

Invited Panel Member. The Electric Cadaver. Annual Meeting of the Medical Library Association. Boston, MA; 1989.

Computers in the Curriculum. Presentation at the College of Medicine Curriculum Retreat Workshop. July 19, 1994.

Microcomputer Facilities and Services. Presentation to staff of the Briscoe Library. UT Health Sciences Center at San Antonio, San Antonio, TX; July 26, 1994.

Electronic Information Resources: Heading Toward the 21st Century. Presentation at El Futuro de la Formacion Profesional del Bibliotecario, Primer Coloquio, Escuela Nacional de Biblioteconomia y Archivonomia and the School of Library and Information Sciences, University of North Texas. San Juan del Rio, Qro., Mexico; September 9-10, 1994.

Integration of Medical Informatics into the Curriculum. Presentation at ITESO. Guadalajara, Mexico; March 9, 1995.

Integration of Medical Informatics into the Curriculum. Presentation at the Universidad de Colima, Colima, Mexico; March 14, 1995.

Incorporating New Information into Clinical Practice. Presentation at ITESO. Guadalajara, Mexico; October 12, 1995.

Biomedical Technology Roadmap Meeting, Health & Healthcare Informatics Work Group. Invited Participant. Sponsored by Sandia National Laboratories. Albuquerque, NM; April 22-24, 1996.

Hannigan, G.G. Anchoring Your Skills. Presentation at the CATCHUM Skills Development Workshop. February 28, 1998.

Hannigan, G.G. Librarian as Patient. Presented at the 25<sup>th</sup> Annual Meeting of the South Central Chapter/Medical Library Association. Fort Worth, TX; October 19, 1998.

Hannigan, G.G. A 46 year-old Woman with Breast Cancer and Lots of Questions. Presentation to the Department of Internal Medicine, Texas Tech Health Sciences Center at Odessa. Odessa, TX; September 17, 1999.

Hannigan, G.G. Panel member, The Librarian's Role in Meeting Public Health Challenges. Presented at General Session of the Annual Meeting of the South Central Chapter/Medical Library Association, Little Rock, October 25, 2005.

Hannigan, G.G. Tech Expo: Searching InfoRetriever and PubMed for Evidence. Presentation at Annual Meeting of the South Central Chapter/Medical Library Association. College Station, TX: October 23, 2006.

Hannigan, G.G. Teaching & Learning Today: Theory, Evidence, Experience, Advice. CDC Library Workshop. Atlanta, GA: August 5, 2009.

## **2. Other Presentations**

Policies Related to Use and Access. Part of Managing Micros Forum, Health Sciences Audiovisual Section. Medical Library Association Annual Meeting. Denver, CO, May 30, 1984.

Computer Shock: Introducing Microcomputers into the LRC, Biomedical Libraries Functional Section Program, Health Sciences Communications Association (HeSCA) Annual Meeting. Columbus, OH, May 12, 1985.

Hannigan, G.G. Learning Resources Center, Bio-Medical Library, University of Minnesota. Poster session at Information: Minnesota's Natural Resource, All-Association Conference. September 13, 1985.

- Hannigan, G.G. & Rhodes, J. Staff Support for Public Access Computing: The Role of the Computer Education Specialist. Health Sciences Audiovisual Section Contributed Paper Session, Annual Meeting of the Medical Library Association. New Orleans, LA; 1988.
- Bramson, R. & Hannigan, G.G. The Information Assignment: An Educational Intervention for Fostering Skills to Support Evidence-Based Medicine. North American Primary Care Research Group 24th Annual Meeting. Vancouver, BC; Nov 4, 1996.
- Hannigan, G.G. MEDLINE OCSCE Station for an Internal Medicine Clerkship. MLA South Central Chapter Annual Meeting. Albuquerque, NM; Oct 5, 1997.
- Bartold, S.P. & Hannigan, G.G. A Bibliometric Profile of the Nuclear Medicine Literature: The Declining Proportion of U.S. Contributions. Presented at the Southwestern and Rocky Mountain Division of the American Association for the Advancement of Science. 74<sup>th</sup> Annual Meeting. Grand Junction, CO; May 17-21, 1998.
- Hannigan, G.G. Librarian as Patient: A View From the Other Side of the Question. Presented at the Annual Meeting of the Medical Library Association. Philadelphia, PA; May 24, 1998.
- Hannigan, G.G. Weaving an Informatics Theme into the Curriculum. Panel on Medical Student Education. American Medical Informatics Spring Congress. Chicago, IL; May 26, 1999.
- Freytes, C.O., Hannigan, G.G., Vugrin, M., and members of the CATCHUM Educational Task Force. CATCHUM: Electronic Curriculum Resources to Support Cancer Prevention. Electronic Poster. CRICS. Havana, Cuba, April 2001.
- Pokala, S. & Hannigan, G.G. Incorporating Information Mastery into the Internal Medicine Clerkship. Undergraduate Medical Education for the 21<sup>st</sup> Century National Symposium. Baltimore, MD; March 16, 2002.
- Hannigan, G.G., Bramson, R., & Cleveland, A.D. MEDLINE Metric: A Method to Assess Medical Students' Search Effectiveness. Society of Teachers of Family Medicine 29<sup>th</sup> Annual Predoctoral Education Conference. Austin, TX; Feb 1, 2003.
- Bramson, R., Hannigan, G.G., & Deegar, J. Passion Meets Reality: Introducing Evidence-Based Medicine into the Curriculum. Society of Teachers of Family Medicine 29<sup>th</sup> Annual Predoctoral Education Conference. Austin, TX; Feb 1, 2003.
- Olmstadt, W.J., Hannigan, G.G., & Williams, J.M. Teaching Public Health Informatics: A Five-Year Experience. Annual Meeting of the Medical Library Association. San Diego, CA; May 4, 2003.

Hannigan, G.G., Bedard, M., Armstrong, T. Using a Content Management System (CMS) to Provide Web-Based Access to Curriculum Resources. The Fourth Graylyn Conference on Technology. Innovation in Medical Education, Wake Forest, NC, September 12, 2005.

Cleveland, A.D., Hannigan, G.G., Bedard, M., Philbrick, J.L., Turner, PM. Recruiting the Next Generation of Biomedical Sciences Librarians: Meeting Increasingly Complex Information Needs by Building on a Biomedical Sciences Educational Foundation. ICML 9, World Congress on Health Information and Libraries. Salvador, Bahia, Brazil: September 21, 2005.

Cleveland, A., Bedard M., Hannigan, G.G. Developing a Model Course Curriculum to Attract Biomedical and Health Sciences Undergraduates to Careers as Medical Information Specialists. Poster presented at the Annual Meeting of the South Central Chapter/Medical Library Association, Little Rock, AR: October 25, 2005.

Hannigan, G.G. Teaching Public Health Students Skills for Evidence-Based Practice. Poster Session, Annual Meeting of the Medical Library Association, Phoenix, May 22, 2006.

Bedard, M., Hannigan, G.G., Armstrong, T, Tammen, D. Library AND Curriculum Resources Database: Can a Content Management System Do Both? Poster Session, Annual Meeting of the Medical Library Association, Phoenix, May 22, 2006.

Cleveland, A.D., Philbrick, J., Pan, D., O'Neill, M., Hannigan, G.G., Bedard, M. The Power of Partnerships: Using Inter-Institutional Expertise to Develop a Model for Teaching Biomedical Sciences Information Management on the Web. Presented at the Annual Meeting of the South Central Chapter/Medical Library Association. College Station, TX: October 22, 2006.

Kruse D, MS, BA White, MA, G Hannigan, PhD, AHIP, A. Cleveland, PhD, AHIP (2007) "An Intern's Adventures in a College of Medicine Learning Resource Center" Poster for the Medical Library Association Conference, Albuquerque, NM

Hannigan GG, PhD, MLS, MPH, S Pokala, MD, FACP, BA White, MA, Edwards, PharmD (2009) "Partnerships Maximize Skill Sets and Minimize The Commitment: librarian, clinician, organization specialist, and drug information specialist collaboration to deliver the Informatics Rotation" Oral presentation by lead authors presented at the 10th International Congress on Medical Librarianship, Brisbane, Australia

Ciliska D, Hannigan, GG (2009) "Less is More – Efficient Search Strategies for Work." Workshop. Ontario Public Health Association Annual Meeting, November 3, 2009, Toronto, CA.

White BA, MA, Hannigan GG, PhD, MLS, MPH, Ogden PE, MD and

The Scholarly Thread Committee (2011) "Taking the Lead in Developing a Scholarly Thread Curriculum" Poster for the Southern Group on Educational Affairs, Leadership and Advocacy in Medicine, Houston, TX

Katz N, Stone N, Hoang T, Hannigan G, Reusser T, Landen, M. New Mexico: A Pioneer State in the Improvement of Race and Ethnicity Data Collection in Hospitals (2012). New Mexico Public Health Association Annual Meeting, Albuquerque, NM, April 2012. (Fri)

Eldredge JD, Kroth PJ, Hannigan GG, Hantak CM, Murray-Krezan CM, Carr R, Weagel EF. How Well Does the VIVO Harvester Populate Bibliographic References for an Institutional Instance of VIVO? Poster. Medical Library Association Annual Meeting, Boston, May 2013.

Kroth PJ, Daneshvari S, Hannigan GG. Celebrating 10 years of the BioMISS: a case study and observations about a successful biomedical informatics seminar series (Poster). MLA/South Central Chapter Annual Meeting, Fort Worth, TX, October 28, 2013. LoboVault <http://repository.unm.edu/handle/1928/23751>

Bradley P, Getrich C, and Hannigan GG. Improving Health Information Access Equity for Unaffiliated Health Care Practitioners in New Mexico: an Interview Study (Contributed Paper). MLA/South Central Chapter Annual Meeting, Fort Worth, TX, October 29, 2103.

Nash JL, Hall LJ, Szoke Z, Hannigan, G. The Valmora Industrial Sanatorium: A New Mexico Public Health Story (Poster). New Mexico Public Health Association (NMPHA) and University of New Mexico National Health Disparities 2014 Joint Conference. Albuquerque, NM, April 2, 2014. LoboVault <http://hdl.handle.net/1928/23701>

P Bradley, GG Hannigan, C Getrich. Are there Disparities in Health Information Access Among New Mexico Practitioners: Results of a Study (Poster). New Mexico Public Health Association (NMPHA) and University of New Mexico National Health Disparities 2014 Joint Conference. Albuquerque, NM, April 2, 2014.

Bradley PB, Getrich CM, Hannigan GG, Rayburn WF. Information resource availability and use by unaffiliated practitioners in predominantly rural New Mexico (Presentation). Society for Academic Continuing Medical Education, Cincinnati, OH, May 4, 2014.

Bradley PB, Getrich CM, Hannigan GG. New Mexico Practitioners' Access to and Satisfaction with Online Clinical Information Resources: an Interview Study Using Qualitative Data Analysis Software (submitted for Publication)

## IV. Documentation of Professional Activities

### A. Committee Assignments

#### 1. National

American Medical Informatics Association (AMIA).

Newsletter column editor, Medical Curriculum, 1996 .

Medical Library Association (MLA).

Responsible for "How to..." Session, 1982 Annual Meeting.

Editorial Committee for the MLA News, Chair, 1984-1985.

1983 National Program Committee, Local Arrangements Subcommittee

Editor, MLA Round\*Up newsletter of the 1983 Annual Meeting.

1986 National Program Local Assistance Committee Publicity  
Subcommittee, member.

Educational Media and Technologies Section/HSAVS.

Treasurer, 1983-1985.

Chair-Elect, 1985-1986.

Chair, 1986-87.

Film Festival Coordinator, 1993.

Section Council Alternate, 1987-89.

Section Council Representative, 1991-1993.

Section Council.

Communications Committee, Chair, 1990-1992.

Secretary, 1992-1993.

Books Panel, member, 1990-1994.

1997 National Program Committee, member, 1995-1997.

Member, Nominating Committee, 2004/2005

Member, Nominating Committee, 2012-2013

Medical Library Education Section

Incoming Chair, 2012-2013

Chair, 2013-2014

#### 2. Regional

American Society for Information Science Texas Chapter (TASIS).

Placement Officer, 1979-1980.

Chair, Local Arrangements Committee, TASIS Annual Meeting, 1980.

TASIS Newsletter editor, 1981-1982.

Chair, Nominating Committee, TASIS, 1980-1981, 1981-1982.

Medical Library Association South Central Chapter (MLA SCC).

Chair, Research Committee, 1993-1994.

Member, Local Arrangements Committee, 2006 Annual Meeting.

Governmental Relations Committee, member 2004-2006, chair 2006-  
2007.

MLA Membership Committee Representative, 2009-2010.  
Member, Awards Committee, 2012-2013.  
Chair, Awards Committee, 2013-2014.  
Minnesota Health Sciences Library Association (MHSLA).  
Public Relations/Membership and Publicity Committee, 1983.  
Secretary/Treasurer, 1984-1985.  
Executive Board, member, 1984-1986.  
Chair, Nominating Committee, 1986.

### **3. University/Corporation**

University of Minnesota Health Sciences.  
Health Sciences Learning Resources Committee, member, 1982-1983.  
Planned, coordinated HSLRC Faculty Development Workshop.  
Developing Computerized Instructional Programs, May  
18, 1983.  
Editorial Board Member, LRQ – Learning Resources Quarterly,  
1983.  
HSLR Committee Task Force for Purchase of Computer  
Equipment, 1983-1986.

The Upjohn Company.  
Information Resources Management Subcommittee, member 1987-1990.  
ADIS Press Subcommittee, member, 1987-1990.  
Corporate Information Directory Project Committee, Chair, 1988-1989.  
Divisional Records Management Committee, member, 1988-1989.

Texas A&M University College of Veterinary Medicine.  
Curriculum Committee, member, 1990-1995.

Texas A&M University System Health Science Center College of Medicine.  
Curriculum Committee, member, 1990-present.  
Computers and Medicine Interest Group, member, 1993- .  
Computers in the Curriculum Subcommittee, chair, 2002- .  
Internal Medicine Clerkship Committee, member, 1992-1994.  
Internal Medicine Student Education Committee, member, 1994- .  
Learning Resources Subcommittee, 1995-2000.  
Becoming A Clinician Course Committee, 1998-2001.  
Temple Campus Building Committee, member, 1994-2003.  
CATCHUM.  
Educational Technology Task Force, member, 1996- .  
chair 1997-1999.  
Steering Committee, member, 1999-2003.  
SACS, Committee V. Educational Support Services, Chair, 2000-2001.  
Curricular Outcomes Committee, member, 2001-2002.  
Campus Computer Access Fee Competitive Grant Committee,  
Representative, 2002 and 2003.  
Impact of Class Size on Financial Resources Committee, member, 2003.  
Curriculum Objectives Committee, member, 2003.  
LCME Self Study Steering Committee, member, 2003- .



LCME Self Study Committee on the Educational Program for the  
M.D. Degree, member 2003- .  
Review Subcommittee, chair 2003- .  
LCME Self Study Committee on Faculty, member, 2003.

TAMUS HSC Alliance of Libraries.  
Learning Resources representative, 2002- .

#### **4. Library**

Houston Academy of Medicine-Texas Medical Center Library.  
Faculty Status and Development Committee.  
Member, 1979-1982; Chair, 1979-1980.  
Library User Survey Task Force, member, 1980.  
Editor, New Titles and News Orientation Issue, 1980.

University of Minnesota Bio-Medical Library.  
Bio-Medical Library Advisory Committee Subcommittee on Bio-  
Medical.  
Library and Health Sciences Relationships, member, 1983.  
Bio-Medical Library Director Search Committee, member, 1983-1984.  
University of Minnesota Library Personnel Librarian Search Committee  
Member, 1984-1985.  
Library Council, member, 1984-1985.  
Bio-Medical Library Reference/Bibliographer Librarian Search  
Committee, Chair, 1985.  
Health Sciences Library Computer Education Specialist Search  
Committee Chair, 1985-1986.  
Education Librarian Search Committee, member, 1986.  
Editor, Bio-Medical Library Bulletin, 1985-1986.

The Upjohn Company Libraries.  
The Upjohn Libraries Planning Group, member, 1986-1990.  
Career Path Subcommittee, member, 1987-1990.

Texas A&M University Libraries.  
Medical Sciences Library.  
Management Group, member, 1990-1995.  
Faculty Group, member, 1990- .  
EdNet Working Group, member, 2001- .  
University Libraries.  
Library Administrative Planning Group, member, 1990-1995.  
TAMU Information Systems Task Force, chair, 1993-1995.

### **B. Other Professional Activities**

#### **1. Consultancies, Internships**

University of Texas Health Science Center at San Antonio Briscoe Library, 1995-  
1996.

Consultant regarding development of microcomputer lab and services.

United Nations Development Programme Reference Unit.  
Intern, Summer 1976 (Selected by Cal-in-the-UN Program).

Informatics content reviewer, *Academic Medicine*, 2006-

Member, Evidence Summaries Team, *Evidence Based Library and Information Practice*, 2006-2007

State of Texas Higher Education Coordinating Board. Accreditation Team Member, 2006-2010.

## **2. Courses Taught**

University of Texas, Graduate School of Library and Information Sciences. Adjunct Lecturer, GSLIS 397, Research Methods in Library and Information Science, Fall 1990, Spring 1991, Fall 1991.

Medical Library Association/South Central Chapter. Instructor, CE 501, Research Methods for the Health Sciences Librarian.

Texas A&M College of Medicine, Humanities Department, Track Director, MEID 901 Leadership in Medicine – Medical Informatics Track, Spring 1995, Spring 1996, Spring 1997, Spring 1998, Spring 1999, Spring 2000.

Texas A&M University Health Science Center, College of Medicine, Elective Administrator, IMED-989301 Computers & Medical Information, 1992- . (Year round)

Texas A&M University Health Science Center, School of Rural Public Health, Course Director, SRPH 640 Public Health Informatics, Fall 1998, Summer 1999, Summer 2000, Summer 2001, Fall 2002, Fall 2003.

University of North Texas, School of Library and Information Sciences. Adjunct Faculty, Introduction to Health Sciences Information Management, Fall 2001, Spring 2002, Fall 2002, Spring 2003, Fall 2004-Fall 2009.

Texas A&M Medical Sciences Library/University of North Texas School of Library and Information Sciences. Course Co-Director, TAMU BIMS 489/UNT BIOL/HLTH Biomedical Sciences Information Management, Fall 2004, Spring 2005.

Co-developed (with Janis Brown) MLA CE Course #603: Incorporating Informatics into the Curriculum. Taught at University of Illinois Health Sciences Library, March 18, 2005; Medical Library Association Annual Meeting, San Antonio, TX, May 14, 2005.

Co-developed (with Jeanne Burke) MLA CE Course #600: More Effective Teaching Activities. Taught at Medical Library Association Annual Meeting, Philadelphia,

PA, May 18, 2007.

Co-teach University of North Texas, College of Information. SLIS 5960.  
Community-Based Health Information, Summer 2011-present

### **Other Teaching**

Developed and taught seminar on organizing personal reprint files offered five times (1980-1982) HAM-TMC Library; presented to the Education Department of the Harris County Hospital District (March 1982); given as part of series of seminars at the University of Minnesota Bio-Medical Library (November 1982).

Guest lecturer for University of Minnesota Medical School's Scientific Information Research Strategies course:  
Computer-based Bibliographic File Management, April 9, 1984.  
Introduction to Audiovisual Resources, April 10, 1984.

Coordinator, Strategies for Finding Clinical Information (part of the orientation to the Internal Medicine Clerkship) presented quarterly, College of Medicine, Texas A&M Health Science Center, 1991-1999.

Faculty, Diagnostic Computing Elective, College of Medicine, Texas A&M University Health Science Center, 1993-1996.

PBL facilitator, Introduction to Clinical Medicine Problem-Based Learning Course, 1995-2000.

Coordinator, Medical Informatics Review. Series of lectures for fourth-year medical students, March 1996, February 1997.

Co-coordinator, Informatics Rotation, Internal Medicine Clerkship, 2000-2009.

### **3. Continuing Education Activities**

NLM Initial Training, National Library of Medicine. Bethesda, MD; November 1977.

NLM Advanced Training, University of Texas Southwestern Health Sciences Center. Dallas, TX; June 1978.

MLA CE 10: Drug and Pharmaceutical Information Resources. Chicago, IL; June 1978.

MLA CE 51: Online Search Optimization. Washington, DC; June 1980.

MLA CE 54: Neoplasia. Washington, DC; June 1980.

Trends in Biomedical Telecommunications: The Electronic Library. College Station, TX; April 1981.

MLA CE 68: Clinical Librarianship. Montreal, Canada; June 1981.

MLA CE 524: MeSH and NLM Classification. Nanheim, CA; June 1982.

What the Non-Technical Person Can Do to Obtain More Effective Slides, Health Sciences Communications Association. San Francisco, CA; April 18, 1983.

Group Relations: A Workshop on Authority and Responsibility in Organizations, Health Sciences Communications Association. Columbus, OH; May 11, 1985.

The Message and the Medium, University of Minnesota Continuing Education and Extension. Minneapolis, MN; September 19-20, 1985.

MLA CE: Medical Informatics Tutorial, May 1987, Portland, OR

MLA CE 122: Planning Library Facilities. New Orleans, LA; May 21, 1988.

NLM Train the Trainer Workshop. New Orleans, LA; May 26, 1988.

The Upjohn Company Courses for Management. Kalamazoo, MI:

Personnel, Policy, Practice, November 17-20, 1986.

Targeted Selection, April 7-9, 1987.

Crosstalk, May 1, 1987.

Managing Accelerated Performance, September 27-30, 1987.

The Assessment Center, October 3-5, 1988.

Communications and Problem-Solving Skills for Supervisors, January 9-12, 1989.

Leading Change, March 29-30, 1989.

Models for Management, September 12-14, 1989.

MLA NP 906: Teaching Strategies for Medical Librarians. Detroit, MI; May 18-19.

SCAMC Tutorial: Medical Concept Representation: From Classification to Understanding. Baltimore, MD; November 8, 1992.

MLA CE: Information Survival Skills for Medical Librarians. Chicago, IL; May 14, 1993.

SCC CE: Exploring the Internet: Beyond the Basics. New Orleans, LA; October 16, 1993.

SCAMC Tutorial: Evaluating Medical Decision-Aids: Why, What, Where and How? Washington, DC; October 31, 1993.

SCAMC Tutorial: Knowledge-Based Medical Image Representation, Analysis, and Management. Washington, DC; November 6, 1994.

MLA NP 529: Health Services Research Information. Washington, DC; May 11, 1995.

Qualitative Research Methods for Medical Librarians. South Central Chapter, Medical Library Association. Little Rock, AR; October 24, 1995.

Taking Evidence Based Medicine into the Future: Disseminating New Knowledge by Creating Informed Consumers of Medical Information. North American Primary Care Research Group 23rd Annual Meeting Preconference Workshop. Houston, TX; November 8, 1995.

Teaching the Internet. South Central Chapter, Medical Library Association. Galveston, TX; October 19, 1996.

AMIA Tutorial 25: Evaluation in Medical Informatics: Techniques for Measuring What's Important. Washington, DC; October 27, 1996.

AMIA Tutorial 37: Evaluation in Medical Informatics: Study Design and Analysis. Washington, DC; October 27, 1996.

MLA CE: Evidence-Based Medicine for Librarians. Seattle, WA; May 24, 1997.

Society for Medical Decision Making: New Developments in the Use of Computers for Medical Decision Making. Houston, TX; October 26, 1997.

Society for Medical Decision Making: Utility Elicitation in Clinical Research - Theory and Practice. Houston, TX; October 26, 1997.

Risk Taking in the Electronic Environment. South Central Chapter/Medical Library Association. Albuquerque, NM; October 4, 1997.

MLA Teleconference: Evidence-Based Health Care in Action. September 16, 1998.

AMIA Tutorial 16: Innovative Methods for Evaluating Medical Information Systems: A Cognitive Engineering Approach. Orlando, FL; November 7, 1998.

AMIA Tutorial 28: Automating the Evaluation Process Using Information Technology to Evaluate Your Students, Faculty, and Curriculum. Orlando, FL; November 8, 1998.

Understanding Meta-Analysis. Medical Library Association 765 EBHC. Chicago, IL; May 19, 1999.

Copyright Workshop. TexShare. Lubbock, TX; February 8, 1999.

SC #1: Basics of Decision Analysis, Society for Medical Decision Making. Reno, NV; October 3, 1999.

Partners in the Texas Public Health Community: Improving Access to Public Health Information. Small group discussion facilitator. Houston, TX; February 28, 2000.

Informatics for Public Health Officials Preconference Workshop, Public Health Informatics and Distance Learning Conference. Association of Schools of Public Health. New Orleans, LA; August 7, 2001.

The Effects of E-Journals on Your Library: an MLA Satellite Teleconference. November 15, 2000.

Evidence-Based Medicine: Information Mastery. Scott & White/ TAMUS HSC Conference. Temple, TX; January 11-12, 2001.

Public Health Informatics Electronic Journal Club, facilitator. Medical Library Association. September-February 2000-2001.

SC #8: Introduction to Survival Analysis and Prognostic Predictors, Society for Medical Decision Making. San Diego, CA; October 21, 2001.

MLA CE Sync or Swim: Managing the Flood of PDAs in Health Care, teleconference. February 6, 2002.

MLA CE 7032: Evidence-Based Librarianship. Dallas, TX; November 1, 2002.

MLA CE 574: Palmtop Computers in the Library. Dallas, TX; May 18, 2002.

T05 Human Factors: Engineering an Essential Component of User-Centered Design of Healthcare Informatics Systems: Usability Laboratory Tutorial AMIA. November 9, 2002.

MLA CE 511: Advanced Personal Digital Assistants (PDAs) for Librarians. San Diego, CA; May 2, 2003.

MLA CE: Roles and Essential Skills for the Expert Searcher, satellite teleconference. March 10, 2004.

MLA CE: Face to Face: Strategies for Effective Consumer Health Communication. Little Rock, AR; October 23, 2005.

MLA CE Institute: Developing Web-based Instruction. March 12-17, 2006, Chicago, IL.

SCC/MLA Disaster Preparedness Symposium. College Station, TX. October 20, 2006.

MLA CE: Moving at the Speed of Byte: Emerging Technologies for Information Management, Educational Webcast. November 8, 2006.

Scholarly Publishing and Open Access: Straight Talk, Educational Webcast. November 20, 2007.

Evidence-Based Scholarly Communication Conference, University of New Mexico Health Sciences Library and Informatics Center. Albuquerque, March 11-12, 2010.

MLA CE 400: Oral History Training Seminar. Washington, DC. May 21, 2010.

PBL Facilitation Education Tutor Training. University of New Mexico, Albuquerque, March 4-5, 2013

Creating Reader-Friendly Print and Web Materials. University of New Mexico, Albuquerque, July 1-11, 2013.

### **C. Honors & Awards**

Anne Sampson Scholarship for Undergraduate Women, UC Berkeley, 1972-73.  
Distinguished Member, Academy of Health Information Professionals, 1990- .  
US Department of Education Fellowship in Medical Informatics, University of North Texas, 1992-1995.  
Member, Phi Kappa Phi graduate student honor society, 2000- .  
1996 Medical Library Association/Institute for Scientific Information Doctoral Fellowship Award.  
1996 Estelle Brodman Award for Academic Medical Librarian of the Year, Medical Library Association.  
Fellow, National Library of Medicine Course in Medical Informatics, Woods Hole, MA, June 1-7, 1997.  
2009-2010, Faculty Development Leave, Texas A&M University  
2011 Lucretia W. McClure Excellence in Education Award, Medical Library Association

### **D. Memberships**

American Medical Informatics Association, 1992- .  
American Public Health Association, 1982- .  
American Society of Information Science, 1977-1982; 1992-2000.  
Texas Chapter, 1976-1982.  
Medical Library Association, 1977- .  
New Mexico Public Health Association, member, 2011- .  
Special Libraries Association, 1976-1977.  
Texas Public Health Association, member, 2000-2011.

### **V. Other Activities**

Central Texas Veterans' Administration Hospital, Math tutor for GED student, Spring 1996.  
Global Volunteers. Volunteer, Dolores Hidalgo, Mexico, March 3-17, 2001.

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