# Heiko Spallek — Curriculum Vitae
## The University of Sydney School of Dentistry

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## EDUCATION and TRAINING

**GRADUATE:**

| | | |
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| 09/1988-06/1993 | Humboldt University, School of Dentistry, Berlin (Charité), Germany | DMD, 1993 |
| 09/1990-06/1993 | Humboldt University, School of Dentistry, Berlin (Charité), Germany | PhD, Dental Material Sciences, 1993 |
| 09/1997-06/2000 | Temple University, The Fox School of Business, Philadelphia, PA | MSBA, Computer and Information Science, 2000 |

## APPOINTMENTS and POSITIONS

**ACADEMIC:**

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| 09/1993-06/1996 | Humboldt University, School of Dentistry, Department of Periodontology, Berlin (Charité), Germany | Assistant Professor |
| 07/1996-12/2001 | Temple University, School of Dentistry, Department of Dental Informatics, Philadelphia, PA | Assistant Professor |
| 10/1997-12/2001 | University of Pittsburgh, Center for Biomedical Informatics, Pittsburgh, PA | Affiliated Faculty |
| 01/2002-06/2010 | University of Pittsburgh, School of Dental Medicine, Center for Dental Informatics, Pittsburgh, PA | Assistant Professor |
| 11/2005-06/2016 | University of Pittsburgh, School of Information Sciences, Pittsburgh, PA | Secondary Appointment |
| 12/2006-06/2016 | University of Pittsburgh, Department of Biomedical Informatics, Pittsburgh, PA | Secondary Appointment |
| 11/2008-06/2016 | University of Pittsburgh, Clinical and Translational Science Institute, Pittsburgh, PA | Secondary Appointment |
| 02/2008-06/2016 | University of Pittsburgh | Graduate faculty member |
| 07/2010-02/2016 | University of Pittsburgh, School of Dental Medicine, Department of Dental Public Health, Pittsburgh, PA | Associate Professor |

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| 11/2010-06/2016 | University of Pittsburgh, School of Dental Medicine, Pittsburgh, PA | Associate Dean for Faculty Affairs |
| 03/2014-02/2016 | Center for Informatics in Oral Health Translational Research, University of Pittsburgh, School of Dental Medicine, Pittsburgh, PA | Executive Director |
| 02/2016-01/2018 | The University of Sydney, Faculty of Dentistry | Professor, Pro-Dean |
| 02/2018-10/2018 | The University of Sydney, Faculty of Dentistry | Acting Dean |
| 11/2018-present | The University of Sydney School of Dentistry, Faculty of Medicine and Health | Head of School and Dean |
| 02/2019-present | The University of Sydney, Faculty of Medicine and Health | Academic Lead Digital Health and Health Service Informatics |

## MEMBERSHIPS in PROFESSIONAL and SCIENTIFIC SOCIETIES

| | |
|---|---|
| German Society for Periodontology | 1993-2002 |
| The Institute of Electrical and Electronics Engineers | 1996-2017 |
| American Medical Informatics Association | 1996-present |
| American Dental Education Association | 1996-present |
| International Medical Informatics Association's Working Group 11, Dental Informatics | 1997-present |
| National Association for Photoshop Professionals | 2004-2016 |
| Associate Member of the American Dental Association | 2007-present |
| BioCommunications Association | 2008-2016 |
| American Association for Dental Research | 2009-present |
| ADEA Leadership Institute Alumni Association | 2011-present |
| American Association of Medical Colleges, Group on Information Systems | 2012-present |
| Australian Dental Association | 2016-present |

## HONORS

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| Talents Department of the Friedrich Naumann Endowment, Germany | 1990-1993 |
| Dean's Certificate of Excellence for outstanding academic achievement in the Master of Science Business Administration Program (Richard J. Fox School of Business and Management, Temple University, Philadelphia, PA) | 2000 |

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| Honorable Mention: Software Competition "2001 Instructional Computing in Dentistry" (American Dental Education Association) | 2001 |
| Fellow of the ADEA Leadership Institute | 2010 |
| Elected member, Beta Chapter, Omicron Kappa Upsilon Honor Dental Society | 2010 |
| Induction into the American College of Dentists | 2012 |
| Telemedicine on Demand: Working Together to Avoid an Unnecessary ER Visit. Winner in the People's Choice Competition of the American Telemedicine Association | 2012 |
| Induction into the International College of Dentists | 2017 |

## PUBLICATIONS

### 1. Peer-reviewed articles

1. **Spallek, H**, Deschner, J. [Bone transplants and implants. Glossary for the dental practice] in German. Parodontologie. 1995;4;331-336.

2. **Spallek H**, Gougousoudis A. [Data super highways for the dentist? – The use of contemporary communication channels in dentistry] in German. Quintessenz. 1995;46(4):551-61.

   **Spallek, H**, Gougousoudis, A: ¿Superautopistas de datos para el odontólogo?: aprovechamiento de los modernos medios de comunicación en odontología. Quintessence Vol 9, 1996, 4: 271-278

3. **Spallek H**, Gougousoudis A. [Use of modern data transmission for information exchange in dentistry] in German. Parodontologie. 1995;1:41-50.

4. **Spallek H**, Gougousoudis A, Johnson WW. Scientific data-exchange in periodontology via internet. J Clin Periodontol. 1996;5:497-504.

5. **Spallek H**, Arnold L, Kleber B-M. [Computer learning applications for periodontology via the Internet] in German. Dtsch Zahnarztl Z 52. 1997;7:483-7.

6. Schleyer T, **Spallek H**, Arsalan M. Dental resources on the world wide web. MD Comput. 1998 July;15(4):252-5,265.

7. **Spallek H**, Freigang B. [Effective searching on the Internet] in German. Laryngo-Rhino-Otol. 1998;77:347-51.

8. Schleyer TK, **Spallek H**, Torres-Urquidy MH. A profile of current Internet users in dentistry. J Am Dent Assoc. 1998 December;129(12):1748-53.

9. **Spallek H**, Spallek G. [Effective use of medical-scientific internet resources] in German. Ophthalmologe, Journal of the German Ophthalmologic Society. 1999;96(11):741-8.

10. **Spallek H**, Schleyer TK. Internet basics. J Am Coll Dent. 1999;66(2):6-15.

11. **Spallek H**, Schleyer TK. Educational implications for copyright in a digital world. J Dent Educ. 1999 September;63(9):673-81.

12. **Spallek H**, Berthold P, Shanley DB, Attstrom R. Distance education for dentists: improving the quality of online instruction. The American Journal of Distance Education. 2000;14(2):49-59.

    **Spallek, H**, Berthold, P, Shanley, DB, Attstrom, R: Distance education for dentists: Improving the quality of online instruction. In: Distance education in the health sciences. Moore, MG, Savrock, JT, editors. University Park (PA): American Center for the Study of Distance Education, Pennsylvania State University; 2001. p. 98-106.

13. Schleyer T, **Spallek H**. Dental informatics. A cornerstone of dental practice. J Am Dent Assoc. 2001 May;132(5):605-13.

14. Schleyer T, **Spallek H**. An evaluation of five dental Internet portals. J Am Dent Assoc. 2002 February;133(2):204-12.

15. **Spallek H**, Pilcher E, Lee JY, Schleyer T. Evaluation of web-based dental CE courses. J Dent Educ. 2002 March;66(3):393-404.

16. Spallek H. Information retrieval on the Internet: a guide for dental practitioners. Dent Clin North Am. 2002 July;46(3):435-62.

17. Oliver R, Paganelli C, Cerny D, Gravert C, Klinge B, Kordass B, Johnson L, O'Keefe J, Onisei D, Podesta MT, Schleyer T, **Spallek H**. 4.3 Towards a global superstore of quality-assured modularized learning programmes. Eur J Dent Educ 2002;6 Suppl 3:147-51.

18. Schleyer TK, **Spallek H**, Bartling WC, Corby P. The technologically well-equipped dental office. J Am Dent Assoc. 2003 January;134(1):30-41.

19. **Spallek H**. A resource guide for practice development through technology. J Am Dent Assoc. 2004 October;135:38S-44S.

20. **Spallek H**. Adaptive hypermedia: a new paradigm for educational software. Adv Dent Res. 2003 December;17:38-42.

21. **Spallek H**, Etzel KR, Maher BS. Dental school applicants' use of website information during the application process. J Dent Educ. 2005 December;69(12):1359-67.

22. Schleyer TK, Thyvalikakath TP, **Spallek H**, Torres-Urquidy MH, Hernandez P, Yuhaniak J. Clinical computing in general dentistry. J Am Med Inform Assoc. 2006;13(3):344-52.

23. Corby PM, Schleyer T, **Spallek H**, Hart TC, Weyant RJ, Corby AL, Bretz WA. Using biometrics for participant identification in a research study: a case report. J Am Med Inform Assoc. 2006 March;13(2):233-5.

24. Schleyer T, **Spallek H**, Hernandez P. A qualitative investigation of the content of dental paper-based and computer-based patient record formats. J Am Med Inform Assoc. 2007;14(4):515-26.

25. **Spallek H**, Irwin JY, Schleyer T, Butler BS, Weiss PM. Supporting the emergence of dental informatics with an online community. Int J Comput Dent. 2007 July;10(3):247-64.

26. Yuhaniak IJ, Fernando S, Schleyer T, **Spallek H**. Speech recognition in dental software systems: features and functionality. Medinfo 2007;12(Pt 2):1127-31, PMID: 17911891

27. **Spallek H**, Butler BS, Schleyer TK, Weiss PM, Wang X, Thyvalikakath TP, Hatala CL, Naderi RA. Supporting emerging disciplines with e-communities: needs and benefits. J Med Internet Res. 2008;10(2):e19. doi:10.2196/jmir.971

28. Schleyer T, **Spallek H**, Butler BS, Subramanian S, Weiss D, Poythress ML, Rattanathikun P, Mueller G. Facebook for scientists: requirements and services for

optimizing how scientific collaborations are established. J Med Internet Res. 2008;10(3):e24.

29. **Spallek H**, O'Donnell J, Yoo YI: Preparing Faculty Members for Significant Curricular Revisions in a School of Dental Medicine. J Dent Educ. 2010;74(3): 275-288

30. Song M, **Spallek H**, Polk D, Schleyer T, Wali T. How information systems should support the information needs of general dentists in clinical settings: suggestions from a qualitative study. BMC Medical Informatics and Decision Making. 2010; 10(7)

31. **Spallek H**, O'Donnell J, Clayton M, Anderson P, Krueger A. Paradigm shift or annoying distraction – emerging implications of Web 2.0 for clinical practice. Appl Clin Inf 2010; 1: 96–115 DOI: 10.4338/ACI-2010-01-CR-0003, PMID: 23616830

32. **Spallek H**, Song M, Polk DE, Bekhuis T, Frantsve-Hawley J, Aravamudhan K. Barriers to implementing evidence-based clinical guidelines: A survey of early adopters The Journal of Evidence-Based Dental Practice (2010)4, 195-206. doi: 10.1016/j.jebdp.2010.05.013

33. Irwin JY, Schleyer T, **Spallek H**: The dental informatics online community. Bioinformation 5(7): 307-309 (2011) http://www.bioinformation.net/005/007000052011.pdf

34. Schleyer TK, Butler BS, Song M, **Spallek H**. Conceptualizing and Advancing Research Networking Systems. ACM Transactions on Computer-Human Interaction. (19)1:1073-0516, 2012. http://doi.acm.org/10.1145/2147783.2147785

35. Irwin JY, Thyvalikakath T, **Spallek H**, Wali T, Kerr AR, Schleyer T. English and Spanish oral cancer information on the Internet: a pilot surface quality and content evaluation of oral cancer Web sites. Journal of Public Health Dentistry. (71)2:106-16, 2011. DOI: 10.1111/j.1752-7325.2010.00207.x, PMID: 21774133

36. Brodie A, Crow H, Eber R, Handysides R, Holexa R, Kiat-amnuay, **Spallek H**. Evaluating Postdoctoral Dental Candidates: Exploring A National Qualifying Examination. J Dent Educ. 2011;75(6):719-725

37. Bekhuis T, Kreinacke M, **Spallek H**, Song M, O'Donnell JA. Using natural language processing to enable in-depth analysis of clinical messages posted to an Internet mailing list: a feasibility study. J Med Internet Res. 2011;13(4):e98. *DOI:10.2196/jmir.1799* PMID: 22112583

38. Sharma N, Butler B, Irwin J, **Spallek H**. Emphasizing Social Features in Information Portals: Effects on New Member Engagement. Journal of the American Society for Information Science and Technology. 2011: 62(11)

39. Schleyer TK, Thyvalikakath TP, **Spallek H**, Dziabiak MP, Johnson LA: From Information Technology to Informatics: The Information Revolution in Dental Education. J Dent Educ. 2012;76 142-153

40. Oakley M, **Spallek H**. Social Media in Dental Education: A Call for Research and Action. J Dent Educ. 2012;76(3) 279-287

41. Rindal D, Rush W, Schleyer TK, Kirshner M, Boyle R, Thoele M, Asche S, Thyvalikakath TP, **Spallek H**, Durand E, Enstad C, Huntley C. Computer-assisted guidance for tobacco counseling in dental offices - A cluster-randomized clinical trial. American Journal of Preventive Medicine. 2013;44(3) 260–264

42. O'Donnell JA, Modesto A, Oakley M, Polk DE, Valappil B, **Spallek H**: Sealants and dental caries: Insight into dentists' behaviors regarding implementation of clinical practice recommendations. J Am Dent Assoc. 2013 Apr;144(4):e24-30. PMID: 23543700

43. Horvath Z, O'Donnell JA, Johnson LA, Karimbux NY, Shuler CF, **Spallek H**: Use of Lecture Recordings in Dental Education: Assessment of Status Quo and Recommendations. J Dent Educ, 2013 Nov;77(11):1431-42

44. Oakley M, Horvath Z, Weinberg S, Bhatt J, **Spallek H**: Comparison of E-Mail Communication Skills Among First- and Fourth-Year Dental Students. J Dent Educ, 2013 Nov;77(11):1413-24.PMID: 24192406

45. Song M, O Donnell JA, Bekhuis T, **Spallek H**: Are dentists interested in the oral-systemic disease connection? A qualitative study of an online community of 450 practitioners. BMC Oral Health. 2013 Nov 21;13(1):65. PMCID: PMC3924341. [**Highly accessed article**; also featured in British Dental Journal. 2013; 215(11): 545, News section, online: 6 December 2013. doi:10.1038/sj.bdj.2013.1152]. This paper has **"one of the highest ever scores"** computed by Altmetrics for the BMC Oral Health Journal.

46. Stein C, Eisenberg E, O'Donnell JA, **Spallek H**: What dental educators need to understand about emerging technologies to incorporate them effectively into the educational process. J Dent Educ, 2014;78 520-529: PMID: 24706681

47. Rush W, Schleyer TKL, Kirshner M, Boyle R, Thoele MJ, Lenton P, Asche S, Thyvalikakath TP, **Spallek H**, Durand E, Enstad C, Huntley C, Rindal DB: Integrating tobacco dependence counseling into electronic dental records: a multi-method approach. Journal of Dental Education, 2014: 78(1), 31–9, PMID: 24385522

48. Weiner DK, Morone NE, **Spallek H**, Karp JF, Schneider M, Washburn C, Dziabiak MP, Hennon JG, Elnicki DM: E-Learning Module on Chronic Low Back Pain in an Older Adult: Evidence of Impact on Medical Student OSCE Performance. Journal of the American Geriatrics Society, 2014: 62(6), 1161–1167. doi:10.1111/jgs.12871, PMID: 24833496

49. **Spallek H**, Johnson L, Kerr J, Rankin D: Costs of Health IT: Beginning to Understand the Financial Impact of a Dental School EHR. Journal of Dental Education, 2014, 78(11): 1542-1551, PMID: 25362696

50. **Spallek H**, von Bergmann H: Should Laptops Be Allowed in the Classroom? Two Viewpoints: Viewpoint 1: Laptops in Classrooms Facilitate Curricular Advancement and Promote Student Learning and Viewpoint 2: Deconstructing and Rethinking the Use of Laptops in the Classroom. Journal of Dental Education, 2014, 78 (12):1580-1588

51. **Spallek H,** Karimbux N, Turner S, Donate-Bartfield E, Zarkowski P, Chambers D: Social Media in the Dental School Environment, Part A: Benefits, Challenges and Recommendations for Use. Journal of Dental Education, 2015, 79(10): 1140-1152, PMID: 26427774

52. **Spallek H,** Karimbux N, Turner S, Donate-Bartfield E, Zarkowski P, Chambers D: Social Media in the Dental School Environment, Part B: Curricular Considerations. Journal of Dental Education, Journal of Dental Education, 2015, 79(10): 1153-1166, PMID: 26427775

53. Straub-Morarend, CL, Wankiiri-Hale C, Blanchette DR, Lanning SK, Bekhuis T, Smith BM, Brodie AJ, Cruz Oliveira D, Handysides RA, Dawson DV, **Spallek H**: Evidence-Based Practice Knowledge, Perceptions and Behavior: A Multi-Institutional, Cross Sectional Study of a Population of U.S. Dental Students. Journal of Dental Education, 2016, 80(4): 430–438

54. Kalenderian E, Halamka JD, **Spallek H**: An EHR with Teeth. Appl Clin Inform 2016 7 2: 425-429. dx.doi.org/10.4338/ACI-2015-09-LE-0124. PMID: 27437051

55. Irving M, Stewart R, **Spallek H**, Blinkhorn A: Using teledentistry in clinical practice, an enabler to improve access to oral health care: a qualitative systematic review. J Telemed

Telecare. 2017 Jan 1:1357633X16686776. doi: 10.1177/1357633X16686776. PMID: 28092220

56. Obadan-Udoh E, Simon L, Etolue J, Tokede O, White J, **Spallek H**, Walji M, Kalenderian E: Dental Providers' Perspectives on Diagnosis-Driven Dentistry: Strategies to Enhance Adoption of Dental Diagnostic Terminology. International Journal of Environmental Research and Public Health, 2017 Jul 13;14(7). http://doi.org/10.3390/ijerph14070767

57. Holden ACL, **Spallek H**: How Compliant are Dental Practice Facebook Pages with Australian Healthcare Advertising Regulations? A Netnographic Review. Aust Dent J. 2018 Mar;63(1):109-117

58. Holden ACL, **Spallek H**: Looking Gift-Horses in the Mouth; Gift Giving in the Dental Profession. Journal of Law and Medicine. J Law Med. 2018 Apr;25(3):794-799.

59. Kalenderian E, Ramoni R, Spallek H, White J, Walji M: Quality measures everywhere: The case for parsimony. JADA 2018 April; 149(4):322-326.

60. Brunner M, McGregor D, Keep M, Janssen A, **Spallek H**, Quinn D, Jones A, Tseris E, Yeung W, Togher L, Solman A, Shaw T: An eHealth Capabilities Framework for Graduates and Health Professionals: Mixed-Methods Study. J Med Internet Res. 2018 May; 20(5):e10229. doi: 10.2196/10229.

61. Holden ACL, Jean G, Tennant M, **Spallek H**: Professionalism by proxy: a case for the formal regulation of dental assistants in Australia. British Dental Journal 2018 Sept; 225(6): 482-486

62. Neumann A, Kumar S, Bangar S, Kumar Kookal K, **Spallek H**, Tokede O, Simmons K, Even J, Mullins J, Mertz E, Yansane A, Obadan-Udoh E, White J, Walji M, Kalenderian E: Tobacco Screening and Cessation Efforts by Dental Providers: a quality measure evaluation. J Public Health Dent. 2018 Dec 19. doi: 10.1111/jphd.12298. [Epub ahead of print]

63. Holden ACL, Jean G, Tennant M, **Spallek H**: Alternatives to the American Model of Dentistry--- Australia. Journal of the American College of Dentists, 2018, 85(1): 35-39

64. Nanayakkara S, Zhou X, **Spallek H**: Impact of big data on oral health outcomes. Oral Dis. 2018 Nov 26. doi: 10.1111/odi.13007.

65. **Spallek H**, Weinberg SM, Manz M, Nanayakkara S, Zhou X, Johnson L: Perceptions and Attitudes Toward Data Sharing Among Dental Researchers. JDR Clin Trans Res. 2019 Jan;4(1):68-75.

66. Holden ACL, Gibson B, **Spallek H**: Embarrassing Realities: the Portrayal of Dentistry in Reality TV 'Dentertainment'. Community Dent Health. 2019 Feb 25;36(1):46-54. doi: 10.1922/CDH_4423Holden09.

67. Dimitropoulos Y, Blinkhorn A, Irving M, Skinner J, Naoum S, Holden A, Masoe A, Rambaldini B, Christie V, **Spallek H**, Gwynne K: Enabling Aboriginal dental assistants to apply fluoride varnish for school children in communities with a high Aboriginal population in New South Wales, Australia: a study protocol for a feasibility study. Pilot Feasibility Stud. 2019 Jan 22;5:15. doi: 10.1186/s40814-019-0399-4. eCollection 2019.

68. Johnson L, Callaghan C, Balasubramanian B, Haq H, **Spallek H**: Cost Comparison of an On-Premise IT Solution with a Cloud-Based Solution for Electronic Health Records in a Dental School Clinic. Journal of Dental Education April 2019, DOI: https://doi.org/10.21815/JDE.019.089

69. Shaw T, Janssen A, Crampton R, O'Leary F, Hoyle P, Jones A, Shetty A, Gunja N, Ritchie AG, Spallek H, Solman A, Kay J, Makeham MA, Harnett P: Attitudes of health professionals to using routinely collected clinical data for performance feedback and

personalised professional development. Med J Aust. 2019 Apr;210 Suppl 6:S17-S21. doi: 10.5694/mja2.50022.

70. Simon L, Obadan-Udoh E, Yansane AI, Gharpure A, Licht S, Calvo J, Deschner J, Damanaki A, Hackenberg B, Walji M, Spallek H, Kalenderian E.: Improving Oral-Systemic Healthcare through the Interoperability of Electronic Medical and Dental Records: An Exploratory Study. Appl Clin Inform. 2019 May;10(3):367-376. doi: 10.1055/s-0039-1688832. Epub 2019 May 29. PMID: 31141831 [PubMed - in process]

## 2. Refereed educational resources

1. **Spallek H**, Kaiser R. Crown Preparation—Interactive 3D Course. MedEdPORTAL; 2010. Available from: https://www.mededportal.org/publication/1656

2. **Spallek H**. Searching the Internet and Assessing Information Quality. MedEdPORTAL; 2011. Available from:  https://www.mededportal.org/publication/8441

3. **Spallek H,** Polk D, Becker K, O'Donnell J, Horvath Z. Introduction to Health History Interviewing for the Dental Student. MedEdPORTAL; 2011. Available from: https://www.mededportal.org/publication/9049

4. **Spallek H**. Curriculum Management Tool (CMT). Group on Information Resources (GIR) for AAMC. Software Application Index. Category: Curriculum Management and Course Delivery https://www.aamc.org/members/gir/sai/285230/resource109.html

5. Pruskowski J, Childers J,  Moore PA, Zemaitis MA, Bauer RE, Deverts DJ, Elnicki DM, Levine SC, Kaufman R, Dziabiak MP, **Spallek H**, Weiner DK, Horvath Z.  Managing Acute Pain and Opioid Risks following Wisdom Teeth Extraction: An Illustrative Case. MedEdPORTAL (accepted)

## 3. Reviews, invited published papers, proceedings of conferences and symposia, monographs, books and book chapters

1. **Spallek, H.** Ultraschallcharakterisierung dentaler Verbundsysteme. Doctor's thesis, Humboldt-Universität Berlin, Charité 1992

2. **Spallek H.** Die Pflege des parodontalen Instrumentariums. Zahnärzteblatt Brandenburg. 1995;6(2):9-12.

3. **Spallek H.** Book review: Aktueller stand der Parodontologie v. Hetz, g. Parodontologie. 1995;4:329-330.

4. Kleber, B-M, **Spallek, H**. Current terminology [German]. In: Hetz, G: State-of-the-art periodontology. Balingen: Spitta-Verlag; 1996. Part 2 Section 3.

5. Kleber, B-M, **Spallek, H**. Epidemiology. [German]. In: Hetz, G: State-of-the-art periodontology. Balingen: Spitta-Verlag; 1996. Part 2 Section 5.

6. **Spallek, H,** Kleber, B-M. Acute necrotizing ulcerative gingivitis / periodontitis [German]. In: Hetz, G: State-of-the-art periodontology. Balingen: Spitta-Verlag; 1996. Part 5 Section 7.

7. **Spallek, H,** Kleber, B-M. Flap operation [German]. In: Hetz, G: State-of-the-art periodontology. Balingen: Spitta-Verlag; 1996. Part 7 Section 4.

8. **Spallek, H,** Kleber, B-M. Excisional new attachment procedure [German]. In: Hetz, G: State-of-the-art periodontology. Balingen: Spitta-Verlag; 1996. Part 7 Section 4.

9. Kleber, B-M, **Spallek, H**. Modifications of surgical procedures and suture teachniques [German]. In: Hetz, G: State-of-the-art periodontology. Balingen: Spitta-Verlag; 1996. Part 7 Section 4.

10. Kleber, B-M, **Spallek, H**. Therapy of gingiva hyperplasia [German]. In: Hetz, G: State-of-the-art periodontology. Balingen: Spitta-Verlag; 1996. Part 7 Section 4.

11. **Spallek H**, Arnold L. CBT in periodontology. Proceedings Vol 1 (Oral Health Informatics) of the TEPR; Illinois: Kelvyn Press; 1996. p. 290-8.

12. Kleber, B-M, **Spallek, H**. Periodontal recessions [German]. In: Hetz, G: State-of-the-art periodontology. Balingen: Spitta-Verlag; 1996. Part 7 Section 4.10.

13. **Spallek, H**, Schleyer, T, Zahnmedizinische Informatik als Lehrfach der Universität, Zahnmedizinische Mitteilungen, Vol. 86, No. 22, 82-83.

14. **Spallek, H**, Schleyer, T, DENTALIS -The Global Dentistry Network; Der Online - Weg in die Zukunft? Zahn medizinische Mitteilungen, Vol. 87, Nr. 5, 72-74.

15. **Spallek H**, Spallek G, The Global Village of Dentistry [German]. Berlin: Quintessenz-Verlag; 1997.

16. Schleyer, T, **Spallek, H**, Spallek, G. The global village of dentistry-internet, intranets, online services for the dental profession. Chicago: Quintessence Publishing; 1998.

17. **Spallek H,** Schleyer T. Im internen Netz surfen. Zahnärzteblatt Sachsen. 1998;9(5):19-20.

18. **Spallek H,** Schleyer T. Abwehr von Eindringlingen. Zahnärzteblatt Sachsen. 1998;9(5):19-20.

19. **Spallek H**, Schleyer T. Online weiterbilden. Zahnärzteblatt Sachsen. 1998;9(10):32-33.

20. **Spallek H**, Schleyer T. Dentistry and the web: continuing education. Dental Products Report. 2001 May: 18-26.

21. **Spallek H,** Schleyer T. Dentistry and the web: clinical decision support. Dental Products Report. 2001: 24-29.

22. **Spallek H**, Schleyer T. eLearning - für den Zahnmediziner geeignet? (part 1). Zahnärzteblatt Sachsen. 2003 Apr 3:21-22.

23. **Spallek H**, Schleyer T. eLearning – online Kurse für den Zahnmediziner? (part 2). Zahnärzteblatt Sachsen. 2003 June 3:25-26.

24. Schleyer T, **Spallek H**. Introduction. Proceedings of Dental Informatics and Dental Research: 2003 June 12-13; Bethesda, MD. Alexandria, VA: Advances in Dental Research; 2003. 17:1.

25. **Spallek H**, Butler B, Schleyer T, Weiss P, Wang X, Hatala C, Naderi R: Information needs assessment for dental informatics online community (DIOC). Proceedings of the 84th ADEA Annual Session & Exhibition; 2007 March 17-21; New Orleans, LA: Journal of Dental Education; January 2007. p. 113.

26. Schleyer T, **Spallek H**, Butler B, Kelleher C, Johnson S. Online communities for translational research. Proceedings of the AMIA Spring Congress; Orlando, FL; 2007.

27. **Spallek H**, Polk D. How do we bring scientific knowledge to the dental practice? Dental Tribune. 2008 Sept 22-28;3(33):1-3.

28. Schleyer T, **Spallek H**, Butler BS, Subramanian S, Weiss D, Poythress ML, Rattanathikun P, Mueller G. Requirements for expertise location systems in biomedical science and the semantic web. Proceedings of the 3rd Expert Finder Workshop on Personal Identification and Collaboration; 2008 Oct 27; Karlsruhe, Germany. Tilburg University, The Netherlands: CEUR-WS.org; 2008. p. 31-41.

29. Wali T, **Spallek H**, Polk D, Schleyer T. Determining the information needs of general dentists during patient care. Proceedings of the American Medical Informatics Association Annual Symposium; 2008 November 6; Washington, DC. 2008. p. 1166.

30. **Spallek H**, Schleyer T, Butler BS. Good partners are hard to find: the search for and selection of collaborators in the health sciences. Proceedings of the 4th IEEE International Conference on eSciene; 2008 Dec 7-12; Indianapolis, IN. Los Alamitos: IEEE Computer Society; 2008.  p. 462-7.

31. Schleyer TK, **Spallek H**, Butler BS, Song M, Dziabiak M, Shirey WE, Milnes J. Digital Vita: A Qualitative Evaluation.  American Medical Informatics Association. Summit on Clinical Research Informatics (CRI). March 9-11, 2011, San Francisco, CA

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## 4. Published abstracts

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3. **Spallek, H**, Müller, W-D: Ultrasonic characterization of dental bonding systems (Abstract). 31st Annual Meeting of International Association for Dental Research CED, Abstract Book, 1994: 152

4. **Spallek, H**, Muller W D: Ultrasonic characterization of dental bonding systems. Journal of Dental Research 74: (3) 930-930 Mar 1995 (Current Content)

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9.  Schleyer, T., **Spallek, H**.: Implementation of a World Wide Web-based Continuing Education Program. In: Computers in Healthcare Education Symposium: Re-engineering Healthcare Education, April 23-25, Philadelphia, PA, USA, 1997: 47

10. **Spallek, H**, Schleyer, T, Kwok, M, Implementation of an intranet, Computers in Health Care Education, Philadelphia, PA, April 1997.

11. Binder, D., **Spallek, H**., Kleber, B.-M.: Histopathological investigation of marginal periodontitis. In: Research/Biology and Pathology, European Federation of Periodontology - Europerio2, Florence, Italy, May 16 , 1997: 75

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13. Schleyer T, **Spallek H**, Implementation of a web-based clinical information system, AADS 75th Annual Session and Exposition, Minneapolis, MN, February 28 - March 4, 1998.

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24. **Spallek, H**, Schleyer, T: Adaptive Hypermedia for Online Dental Education. 2003 Spring Research Symposium, School of Dental Medicine, University of Pittsburgh. April 15, 2003; Pittsburgh, PA.

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48. Irving M, Stewart R, **Spallek H**, Blinkhorn A: Using Teledentistry in Clinical Practice: A Qualitative Systematic Review. Poster presentation. IADR/AADR/CADR Annual Meeting & Exhibition, San Francisco, Calif., March 24, 2017

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science schools: Implementation and evaluation. Poster presentation at: 2017 MED Ed Day, Pittsburgh, PA, USA, September 8th, 2017.

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2. Spallek H. Berichterstattung 31. Jahrestagung der IADR-Continental European Division, Lyon, 16.-17. September 1994. Nachrichten - Deutsche Gesellschaft für Parodontologie, 2. Halbjahr 1994, Quintessenz Verlag, Berlin, 1994: 14.

3. Deschner J, **Spallek H**. 13 Jahre GTR. Wissenschaftliche Jahrestagung der Deutschen Gesellschaft für Parodontologie. Congress-Report. Parodontologie. 1995;4:341-346.

4. Spallek H. Wissenschaftlich orientierter Datenaustausch in der Zahnmedizin. Rechenzentrum – Mitteilungen. 1995;5(10):30-32.

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6. Spallek H. Global learning for dentists made in Berlin. AMIA, Megabite. 1997;6(2):1.

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10. **Spallek H,** Freigang B: Das internet - "suchet so werdet ihr finden". Nordostdeutsche Gesellschaft für Otorhinolaryngologie und zervikofaziale Chirurgie. 1998 June:26.

11. Schleyer T, **Spallek H**. The gothic cathedral: a new model for research? The AMIA Student Working Group News. 2005 March;2(3):7-9.

12. **Spallek H**. Experienced educators needed. (Letter to the editor) J Am Dent Assoc. 2010 Jun;141(6):622, 624. PMID: 20516086

13. **Spallek H**. Senate Matters: Smile! On-campus dental care. Editorial. University Times (University of Pittsburgh). 3/22/2012. Available online: http://www.utimes.pitt.edu/?p=20423

14. Kreinacke M, Bekhuis T, **Spallek H**, Song M, O'Donnell JA. Preprocessing messages posted by dentists to an Internet mailing list: a report of methods developed for a study of clinical content [technical report no. 09262011]. Pittsburgh, PA, USA: University of

Pittsburgh School of Medicine, 2012. Available online: http://d-scholarship.pitt.edu/14247/

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16. Bekhuis T, Kim K, Valappil B, **Spallek H**. Adapting the Scottish PRIME Fissure Sealant Questionnaire for implementation research in the United States: lessons learned [technical report in APA PsycEXTRA database]. American Psychological Association (APA). 2014.doi: 10.1037/e502572014-001.

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20. **Spallek H**. Harnessing the power of data to underpin clinical practice. New South Wales Dentist, July 2016. 20-21.

21. **Spallek H**, Kumar S, Guest G, Littlewood A, Graham L: Technical Report No. 1095 for Electronic Resources for Access and Appraisal of Clinical Information. ADA Publication, ADA1005-2018D, approved January 2018

22. Makeham M, **Spallek H**: Australian Patients in the Driver's Seat for Personally Controlled Health Record. American Dental Education Association, DI Newsletter Feb 2018. 4-5

23. **Spallek H**, Jean G, Kruger E, Tennant M: Diagnosis versus care: What do we need to know to advance health systems of today and the future? Croakey #TalkingTeeth, 28 February 2018. https://croakey.org/diagnosis-versus-care-what-do-we-need-to-know-to-advance-health-systems-of-today-and-the-future/

24. Holden A, **Spallek H**, Jean G, Kruger E, Tennant M: Why dental assistants should be professionally regulated in Australia. Croakey #TalkingTeeth, 30 April 2018. https://croakey.org/talking-teeth-why-dental-assistants-should-be-professionally-regulated-in-australia/

25. Interview with Professor **Heiko Spallek** by Dr Sarah Raphael: Putting technology at the heart of health care. Featured article, NSW Dentist, May 2018

26. **Spallek H**, Brown L: Structured Content in Comprehensive Health Records: A Discussion for Healthcare Practitioners, Educators, Researchers and Policymakers. Blog: 14 August 2018, https://collaboration4hit.org/news/structured-content-in-comprehensive-health-records

27. **Spallek H**: No clever answers! Finding the right questions about dental care in Australia. Blog: 7 November 2018, http://johnmenadue.com/heiko-spallek-no-clever-answers-finding-the-right-questions-about-dental-care-in-australia/

28. **Spallek H**: Time to make dental care an election issue: Doing less but achieving more in dentistry. Blog: 4 December 2018, http://johnmenadue.com/lesley-russell-time-to-make-dental-care-an-election-issue-2/

29. Spallek H, Holden A: Oral health – an essential component of a healthy life. Blog: 8 March 2019, Blog: 4 December 2018, http://johnmenadue.com/heiko-spallek-alexander-holden-oral-health-an-essential-component-of-a-healthy-life/
30. Holden A, **Spallek H**: Laying Out the Road Map for an Australian Universal Dental Scheme. Blog: 19 March 2019, http://johnmenadue.com/alexander-holden-and-heiko-spallek-laying-out-the-road-map-for-an-australian-universal-dental-scheme/
31. Contributor to: Duckett, S., Cowgill, M., and Swerissen, H. (2019). Filling the gap: A universal dental scheme for Australia. Grattan Institute. ISBN: 978-0-6483311-9-3. Available at: https://grattan.edu.au/report/filling-the-gap/
32. Contributor to: Emerging Technologies and and Promising Science to Transform Oral Health. In: Oral Health in America – Advances and Challenges: 2020 Surgeon General's Report on Oral Health

# PROFESSIONAL ACTIVITIES

**TEACHING:**

| Course | Position | Contact Hours | No. of Lectures | No. of Students | Level | Dates |
|---|---|---|---|---|---|---|
| Course in preventive dentistry | Faculty | 80/year | 8 | 60 | Predoctoral | 9/1993-6/1996 |
| Course in perio-dontal surgery | Faculty | 80 | 8 | 60 | Predoctoral | 9/1995-6/1996 |
| Course in perio-dontal diagnostics and therapy | Faculty | 80/year | 15 | 60 | Predoctoral | 9/1993-6/1995 |
| Course in perio-dontal diagnostics and therapy | Course Director | 80 | 15 | 60 | Predoctoral | 9/1995-6/1996 |
| Introduction to Computing | Course Director | 10/year | 10 | 80 | Predoctoral | 9/2003-6/2006 |
| Dental Informatics Research | Faculty | 15/year | 6 | 2 | Graduate | 9/1999-4/2000, 9/2001-4/2002 |
| Management of Information Infrastructures | Faculty | 36/year | 8 | 2 | Graduate | 9/1999-4/2000, 9/2001-4/2002 |
| Dental Informatics Seminar | Faculty | 20/year | 6 | 3 | Graduate | 9/1999-4/2000, 9/2001-4/2002, 1/2003-5/2003 |

| Course | Position | Contact Hours | No. of Lectures | No. of Students | Level | Dates |
|---|---|---|---|---|---|---|
| Dental Information Systems | Faculty | 36/year | 6 | 2 | Graduate | 8/2002-05/2005, 8/2007-12/2007 |
| Clinical Conferences (DENT5256) | Facilitator | 4/year | NA | 10-12 | Predoctoral | 01/2007-04/2008 |
| Cultural and Behavioral Issues in Dental Care | Faculty | 4/year | NA | 10-12 | Predoctoral | 10/2003-12/2007 |
| Senior Case Competency Presentation | Faculty | 4/year | NA | 2 | Predoctoral | 1/2006-1/2012 |
| Preclinical Problem Based Learning | Facilitator | 4/year | NA | 10-12 | Predoctoral | 5/2002-4/2007 |
| Professionalism Recitations (CDENT 5112) | Facilitator | 4/year | NA | 10-12 | Predoctoral | 11/2008-11/2012 |
| Dental Informatics (CDENT 5141) | Course Director | 15 | 13 | 80 | Predoctoral | 1/2008-5/2009 |
| Introduction to Dentistry (DENT 5112) | Course Co-Director | 5 | 2 | 80 | Predoctoral | 8/2009-12/2009 |
| Health Promotion and Disease Prevention (DENT 5145) | Course Co-Director | 2/year | 5 | 80 | Predoctoral | 1/2010-11/2012 |
| PhD Program: Informática e Novas Tecnologias em MD at the University of Porto, Portugal | Instructor | 14 | 7 | 30 | Graduate | 4/2011 |
| Facilitating Standardized Patient Sessions | Facilitator | 6/year | - | 6 | Predoctoral | 9/2010-3/2015 |
| Professionalism in Dental Medicine (CDEN T 5117) | Faculty | 7/year | 1 | 80 | Predoctoral | 9/2012-10/2015 |
| Health Promotion and Disease Prevention 2 (DENT 5145) | Faculty | 2 | - | 20 | Predoctoral | 3/2015 |

| Course | Position | Contact Hours | No. of Lectures | No. of Students | Level | Dates |
|---|---|---|---|---|---|---|
| Health Promotion and Disease Prevention 3 (CDENT 5173) | Faculty | 2/year | - | 20 | Predoctoral | 8/2012-9/2014 |
| Current Topics in Oral Health Research (DENT 5340) | Faculty | 2/year | 2 | 80 | Predoctoral | 4/2014, 2/2015 |
| Introduction to Leadership and Career Development Settings (DENT 5980) | Course Co-Director | 10 | 4 | 6 | Predoctoral | 5/2015 |
| Bachelor of Oral Health | Faculty | 1/year | 1 | 120 | Undergrad | 7/2016, 03/2017 |

**Academic Planning Proposal**
2/2010: Biomedical Informatics Online Certificate Program for the Department of Biomedical Informatics
Role: individual initiating and authoring the proposal
Status: approved & implemented

**Thesis Advisor / PhD Thesis Committee**

| | |
|---|---|
| Untersuchung zur Histopathogenese der marginalen Parodontitis (German), Department of Periodontology of the Charité, Berlin | 1996 |
| Development of an information architecture for an online textbook (German), University of Applied Sciences, Department for Informatics, Karlsruhe, Germany | 2004 |
| Member of the Doctoral Preliminary Evaluation Committee for the training in Biomedical Informatics for Heather Johnson | 2004 |
| Member of the Medical Informatics Doctoral Comprehensive Examination Committee for Mohamed Foraida | 2005 |
| PhD Thesis Committee for the School of Information Sciences, University of Pittsburgh for Michael Yudelson | 2009/ 2010 |
| PhD Thesis Committee: Ms Alla Talal Y Alsharif: "Development and application of an innovative methodological approach to the design of frameworks for targeted School Dental Service programs; using empirical predictive data", University of Western Australia, Perth WA 6009 Australia | 2016 |

**RESEARCH:**
1. **Grants**

| 1a. Research: Grant Number (Funded) | Grant Title | Role in Project and % Effort | Years Inclusive | Source $ Amount |
|---|---|---|---|---|
| 1R01 DE015351 | The Genetic Contribution | Co-investigator 5% | 10/2004-06/2006 | $250,000 |
| National Library of Medicine/NIH 1 G08 LM008667-01A1 | Dental Informatics Online Community | Principal investigator 20% (yr 1); 15% (yrs 2, 3) | 03/2006-3/2009 | $350,525 |
| NIH 1 UL1 RR024153 | Center for Clinical and Translational Informatics (CCTI) of the University of Pittsburgh Clinical and Translational Research Institute | Co-investigator 15% | 09/2006-06/2011 | $9,846,625 |
| NIH 1R21DE018158-01 | Feasibility of a Natural Language Processing-based Dental Charting Application | Co-investigator 10% | 07/2007-06/2009 | $272,000 |
| National Institute for Dental and Craniofacial Research/NIH 1R21DE021494-01 | Implementing Research Findings and Evidence-based Interventions into Real-World Dental | Principal investigator 10% | 02/2011-02/2014 | $189,375 |

| | | | | |
|---|---|---|---|---|
| | Practice Settings | | | |
| NIH Pain Consortium Contract #: GS-10F-0261K Task Order #: HHSN271201100111U | Center of Excellence in Pain Education: Pain Challenges in Primary Care | Co-Principal Investigator 4.25% | 07/2012-06/2014 | $413,000 |
| National Institute for Dental and Craniofacial Research/NIH 1R34DE023895-01A1 | Computer Assisted Tobacco Intervention for Dental Providers | Principal investigator (MPI) 10% | 09/2014-08/2015 | $242,656 |
| National Heart, Lung, and Blood Institute/NIH R34HL123500-01A1 | Minding GOALS: An Internet-Assisted Mind-Body-Behavior Program for Blood Pressure Control | Co-investigator 2% | 05/2015-03/2018 | $304,021 |
| National Institute on Drug Abuse, NIH NIDA R&D Contracts Management Branch Contract #: HHSN271201500082C | Center of Excellence in Pain Education: Pain Challenges in Primary Care | Principal Investigator 11% | 09/2015 09/2020 | $907,931 |
| National Institute for Dental and Craniofacial Research/NIH U01DE026135 | A Clinic-Randomized Trial of a Clinical Decision Support System to Improve Dental Provider Delivery of Brief Tobacco Interventions and Quitline Referrals | Principal investigator (MPI) 15% | 08/2016 07/2020 | $2,488,348 |

| 1b.  Training: Grant Number (Funded) | Grant Title | Role in Project and % Effort | Years Inclusive | Source $ Amount |
|---|---|---|---|---|
| N/A | Student Grant from the Talents Department of the Friedrich Naumann Endowment | | 1990-1993 | $18,000 |
| National Institute for Dental and Craniofacial Research/NIH LM-96-002 | Dental Informatics Training Grant | Faculty, 5% | 1997-2002 | |
| NLM/NIDCR 2 T15 LM 007059-26 | Pittsburgh Biomedical Informatics Training Program | Instructor | 2012-2017 | $1,031,822 |
| RFA-LM-06-001 | Pittsburgh Biomedical Informatics Training Program | Instructor | 2002-2007 | $837,554 |
| 3T15LM007059-24S1 | Pittsburgh Biomedical Informatics Training Program | Online Certificate Program Director, 10% | 2010-2011 | $200,000 |

| 1c. Conference: Grant Number (Funded) | Grant Title | Role in Project and % Effort | Years Inclusive | Source $ Amount |
|---|---|---|---|---|
| NIDCR 1R13DE014611-01 | Dental Informatics and Dental Research | Co-investigator, 10% | 03/2002-02/2004 | $6,000/year |

**1d. University:**

| Grant Number (Funded) | Grant Title | Role in Project and % Effort | Years Inclusive | Source $ Amount |
|---|---|---|---|---|
| University of Pittsburgh Innovation in Education Award 2003 | Adaptive hypermedia to introduce tissue engineering to dental, medical and engineering students | PI (MPI) | 05/2003-05/2004 | $23,484 |
| University of Pittsburgh Innovation in Education Award 2008 | Quantitative Image Analysis using Adobe® Photoshop® CS3 Extended | PI (MPI) | 05/2008-05/2009 | $14,541 |
| University of Sydney 2016 Strategic Education Grant #16067 | Design and implementation of a curricular framework and assessment to promote the enhancement of the Ethical, Social and Professional Understanding of the Sydney graduate. | Co-I | 01/2017-01/2018 | $35,000 |
| University of Sydney 2016 Strategic Education Grant | Operationalising Interprofessional Education (IPE) at Westmead Precinct: Medicine, Dentistry and Nursing Programs | Co-I | 01/2017-01/2018 | AU$51,489 |
| University of Sydney 2018 Strategic Education Grant #18031 | Team-teaching and Inter-professional learning: building interdisciplinary engagement and capacity | Co-I | 01/2018-01/2019 | |

**1d. University:**

| Grant Number (Funded) | Grant Title | Role in Project and % Effort | Years Inclusive | Source $ Amount |
|---|---|---|---|---|
| NSW Health, Paediatric Innovation Funding Scheme | When doing a filling is not enough: Implementation of a novel, evidence-based chronic disease management program to empower at-risk kids to reduce dental treatment, pain and general anaesthetic needs | Project advisor | | AU$200,000 |

| **1e. Travel Grant (Funded)** | **Grant Title** | **Role in Project t** | **Years Inclusive** | **Source $ Amount** |
|---|---|---|---|---|
| ICE Health System, Calgary, Canada, Collaboration for Health IT | Supporting attendance of the 2017 ADEA and IADR meeting in CA, USA | PI | 2017 | $3,100 |
| ICE Health System, Calgary, Canada, Collaboration for Health IT | Supporting attendance of the 2018 ADEA and AADR meeting in Orlando, USA | PI | 2018 | $3,500 |

## 2. Seminars and invited lectureships

| Presenter(s) | Title | Event | Date(s) |
|---|---|---|---|
| Spallek, H | Ultrasonic characterization of dental bonding systems | 31st Annual Meeting of International Association for Dental Research CED. Lyon, France | 9/16/1994 |
| Spallek, H | Periodontal instruments (**invited**) | Workshop for Dental Assistants, Cottbus, Germany | 1/7/1995 |

| Presenter(s) | Title | Event | Date(s) |
|---|---|---|---|
| Spallek, H | World Wide Web and Medicine | Workshop for the 6th European Students Conference of the Charité, Berlin, Germany | 10/21/1995 |
| Spallek, H, Arnold, L | CBT in Periodontology | Oral Health Track, Towards an Electronic Patient Record, San Diego, CA | 5/15/1996 |
| Spallek, H, Arnold, L. Kleber, B-M | Computer-learning programs for periodontology via Internet (German) | Annual Meeting Deutsche Gesellschaft für Parodontologie, Baden-Baden, Germany | 9/20/1996 |
| Schleyer, T, Torres, H, Spallek, H | Internet use in dentistry | Toward Electronic Patient Records, Medical Records Institute, Nashville, TN | 4/1997 |
| Schleyer, T, Spallek, H | Implementation of a World Wide Web-based continuing education program | Computers in Health Care Education Symposium, Philadelphia, PA | 4/1997 |
| Schleyer, T, Spallek, H | Department of Dental Informatics | ADEA Educational Exhibits 75th Annual Session and Exposition, Minneapolis, MN | 2/28/1998 |
| Spallek, H | Electronic Communication (**invited**) | American Medical Informatics Association: 1998 AMIA Spring Congress. Philadelphia, PA | 5/26/1998 |
| Spallek, H | Dental education in the 21st century (**invited**) | Plenary Meeting of DENTED, Dublin, Ireland | 9/15/1998 |
| Spallek, H, Spallek, G | Efficient usage of scientific Internet resources (German) | 96th DOG Annual Meeting, Berlin, Germany | 9/22/1998 |
| Spallek, H | Application of quality criteria of hypermedia documents (**invited**) | 2nd Workshop in Interactive Periodontology. Brienz, Switzerland | 1/7/1999 |
| Spallek, H | Quality Criteria of Hypermedia Documents (**invited**) | Seminar of the Department of Medical Informatics, Columbia University. New York, NY | 2/11/1999 |

| Presenter(s) | Title | Event | Date(s) |
|---|---|---|---|
| Spallek, H | Computing at Temple University School of Dentistry | Dental Informatics Postgraduate Program Open House, Philadelphia, PA | 12/13/1999 |
| Spallek, H | Dental Informatics: A New Discipline for Dentistry? (**invited**) | The Center for Frontier Sciences at Temple University: Defining Dentistry: Maintaining a Healthy Smile and Body, Philadelphia, PA | 11/15/2000 |
| Spallek, H, Freigang, B | Virtual universities for medical education? | Round table talk: Internet for ENT specialists, Annual Symposium of the German Society for ENT, Hamburg, Germany | 05/2001 |
| Spallek, H | What does the World Wide Web offer the periodontists? | The 2nd Annual Periodontal Symposium at Temple University School of Dentistry, Philadelphia, PA | 10/2001 |
| Schleyer, T, Johnson, L, (Spallek, H) | Developing a protocol for an educational software competition | American Medical Informatics Association: 2001 Symposium. Washington, DC | 11/2001 |
| Spallek, H Pilcher, E Lee, J-Y Schleyer, T | Evaluation of Web-based Dental CE-Courses | ADEA 79th Annual Session and Exposition, San Diego, CA | 03/2002 |
| Spallek, H | Dental Informatics – A frontier discipline in dentistry (webinar) | 13th International Alexandria Dental Congress, Alexandria, Egypt | 10/29/2002 |
| Spallek, H | Computing in Dentistry: Synergy of a printed book and a Website (part of Workshop on Educational Program Web Sites: Demonstrations and Discussion) | American Medical Informatics Association: 2002 Symposium. San Antonio, TX | 11/9/2002 |
| Spallek, H | Adaptive Hypermedia for Dental Education | CBMI Colloquium, University of Pittsburgh | 11/15/2002 |
| Spallek, H | Computing at the School of Dental Medicine | Dental Informatics Postgraduate Program Open House, Pittsburgh, PA | 12/6/2002 |

| Presenter(s) | Title | Event | Date(s) |
|---|---|---|---|
| Spallek, H | Usability Engineering & Website Design Projects | CBMI course: Internet and Healthcare Informatics | 02/27/2003 |
| Schleyer, T<br>Spallek, H | "Computing in Dentistry": A new Book and Website | ADEA 80th Annual Session and Exposition: TechnoFair, San Antonio, TX | 03/11/2003 |
| Spallek, H | Adaptive Hypermedia: A New Paradigm for Educational Software | Dental Informatics and Dental Research: Making the Connection, National Institutes of Health, Bethesda, MD | 06/12/2003 |
| Spallek, H | Adaptive Hypermedia Dental Education | 9th International Conference on User Modeling, Johnstown, PA | 06/22/2003 |
| Spallek, H | Dental Informatics and the SDM Curriculum | Curriculum Retreat: Patient-Centered Care: Preparing for the Future, School of Dental Medicine, Pittsburgh, PA | 07/11/2003 |
| Spallek, H | Adaptive Hypermedia for Educational Software in Dentistry | Intelligent Systems AI Forum, Computer Science Department, University of Pittsburgh, PA | 11/07/2003 |
| Schleyer, T<br>Spallek, H | Survival of the fittest? Information technology as a subject in health professional curricula: How do we teach dental students IT skills? | Workshop, American Medical Informatics Association: 2003 Symposium. Washington, DC | 11/10/2003 |
| Spallek, H | Dental Informatics at the School of Dental Medicine | 2003 Board of Visitors, School of Dental Medicine, Pittsburgh, PA | 11/21/2003 |
| Spallek, H | The Art of Poster Design | Center for Biomedical Informatics, Brown Bag Seminars, Pittsburgh, PA | 11/21/2003 |
| Spallek, H | Usability Engineering Methods on the Web | CBMI course: Internet and Healthcare Informatics | 03/01/2004 |
| Spallek, H | The Integration of an IT Course into the Predoctoral Curriculum | ADEA 81st Annual Session and Exposition: Lunch and Learn, Seattle, WA | 03/8/2004 |

| Presenter(s) | Title | Event | Date(s) |
|---|---|---|---|
| Spallek, H | Dental Informatics and Library Information Sciences | Applications in Medical Informatics, graduate course for MLIS students at the School of Information Science, Pittsburgh, PA | 03/31/2004 |
| Spallek, H | The Dental Informatics Collaboratory Project | Second Annual Dental Informatics Think Tank, Pittsburgh, PA | 04/09/2004 |
| Antoniu, A, Spallek, H | Development of a Formative Evaluation Method for an Adaptive Hypermedia Course | Fourth Annual Spring Research Symposium, Pittsburgh, PA | 04/13/2004 |
| Spallek, H | Adaptive Hypermedia in Medical and Dental Education Course | Innovations in Medical Education, School of Medicine, Pittsburgh, PA | 04/21/2004 |
| Spallek, H | Dental Informatics Online Community | Joint AMIA and IMIA Dental Informatics WG Meeting at the American Medical Informatics Association: 2003 Symposium. San Francisco, CA | 09/09/2004 |
| Sfeir, Ch, Spallek, H | Adaptive Hypermedia for Tissue Engineering | Teaching Excellence Fair 2004, University of Pittsburgh, PA | 10/27/2004 |
| Spallek, H | Strategic Dental Informatics Plan for the School of Dental Medicine | 2004 Board of Visitors, School of Dental Medicine, Pittsburgh, PA | 11/19/2004 |
| Spallek, H | Dental Informatics – An emerging discipline | DIST Colloquium, School of Information Science, Pittsburgh, PA | 02/01/2005 |
| Spallek, H, Sfeir, Ch. | Adaptive Hypermedia for Tissue Engineering | McGowan Institute for Regenerative Medicine's Annual Retreat, Nemacolin, PA | 03/08/2005 |
| Hernandez, PL, Thyvalikakath, T, Torres-Urquidy, M, Spallek, H, Schleyer, T | Chairside Computer Use in Clinical Dentistry | ADEA 82nd Annual Session and Exposition: TechnoFair, Baltimore, MD | 03/08/2005 |

| Presenter(s) | Title | Event | Date(s) |
|---|---|---|---|
| Spallek, H | Dental Informatics and Library Information Sciences | Applications in Medical Informatics, graduate course for MLIS students at the School of Information Science, Pittsburgh, PA | 04/05/2005 |
| Spallek, H | Dental Informatics Online Community | Distinguished Speaker Series in Medical Informatics, Center for Biomedical Informatics, Pittsburgh, PA | 04/29/2005 |
| Spallek, H | Data Collection in Clinical Practice | 2005 National Oral Health Conference (AAPHD), Pittsburgh, PA | 05/03/2005 |
| Stoner, D, Spallek, H | Formative Evaluation of "Information Retrieval for Dental Professionals" | Fifth Annual Spring Research Symposium, Pittsburgh, PA | 05/18/2005 |
| Spallek, H | Dental Informatics Research at the University of Pittsburgh | University of Connecticut, School of Dental Medicine, Farmington CT | 06/12/2005 |
| Spallek, H, Schleyer, T | Dental Informatics at the University of Pittsburgh | Guy's Hospital Dental School, London, UK | 09/14/2005 |
| Spallek, H | Implications for Copyright in a Digital World—A Researcher's Perspective | Postgraduate Research Seminar Series, The University of Michigan School of Dentistry, MI | 11/15/2005 |
| Spallek, H | How does a Website influence an applicant's decision to apply? | ADEA 83rd Annual Session and Exposition: Lunch and Learn, Orlando, FL | 03/9/2006 |
| Spallek, H | Dental Informatics Online Community-a Virtual, Global Community for Dental Informaticians | ADEA 83rd Annual Session and Exposition: Technofair, Orlando, FL | 03/11/2006 |
| Spallek, H | Dental Informatics and the DIOC project | Applications in Medical Informatics, graduate course for MLIS students at the School of Information Science, Pittsburgh, PA | 04/04/2006 |

| Presenter(s) | Title | Event | Date(s) |
|---|---|---|---|
| Naderi, RA Spallek, H | Information Needs of Dental Researchers: A Research Methodology Description | Sixth Annual Spring Research Symposium, Pittsburgh, PA | 05/02/2006 |
| Spallek, H | Communicating with patients by Email | Professionalism and Social Issues in Dentistry, School of Dental Medicine, Pittsburgh, PA | 09/12/2006 |
| Spallek, H | The Art of Poster Design | Department for Biomedical Informatics, Professional Development Series, Pittsburgh, PA | 10/13/2006 |
| Spallek, H | Guest lecture: Dental Informatics—An Overview | Graduate course for MLIS students at the School of Information Science, Pittsburgh, PA | 03/12/2007 |
| Spallek, H | Dentistry in the Digital Age | Spring '07 Grand Rounds Lecture Series, Pittsburgh, PA | 03/15/2007 |
| Spallek, H | Dental Informatics and Evidence-based Dental Practice | 2007 Annual Meeting of the Medical Library Association, Philadelphia, PA | 05/21/2007 |
| Spallek, H | Supporting Emerging Disciplines with e-Communities: Needs and Benefits | DBMI Lecture Series, Department of Biomedical Informatics, University of Pittsburgh School of Medicine, Pittsburgh, PA | 09/07/2007 |
| Spallek, H | Online Research Community | Clinical Research Seminar Series, UPMC Montefiore, University of Pittsburgh School of Medicine, Pittsburgh, PA | 10/09/2007 |
| Spallek, H, | Software-assisted quality management in dental practice | International Society for Computerized Dentistry, Annual World Dental Congress (FDI), Dubai, UAE | 10/26/2007 |
| Spallek, H | Good partners are hard to Find: The Search for and Selection of Collaborators in the Health Sciences | IEEE eScience 2008, Workshop: Project Management and User Engagement, Indianapolis, IN | 10/08/2008 |

| Presenter(s) | Title | Event | Date(s) |
|---|---|---|---|
| Spallek, H | Curriculum Development for the School of Dental Medicine | 2008 Board of Visitors, School of Dental Medicine, Pittsburgh, PA | 11/19/2008 |
| Spallek, H | Informatics Curriculum: Preparing Our Students for the Future in Health Care: A Predoctoral Dental Informatics Course | ADEA 86th Annual Session and Exposition, Phoenix, AZ | 03/17/2009 |
| Spallek, H | Dental Informatics Research Challenges | Graduate course for MLIS students at the School of Information Science, Pittsburgh, PA | 04/06/2009 |
| Spallek, H | Presentation Techniques | Faculty Development Seminar, School of Dental Medicine, University of Pittsburgh, Pittsburgh, PA | 05/28/2009 |
| Spallek, H | Comprehensive Assessment of Teaching Effectiveness—Self-Deception or Possibility? | ADEA CCI Summer 2009 Liaisons Meeting, San Diego, CA | 06/29/2009 |
| Spallek, H | Using Blackboard for Teaching Software Skills to a Diverse Audience | Teaching Excellence Showcase, 2009, Pittsburgh, PA | 10/21/2009 |
| Spallek, H | Web 2.0 and the Dental Informatics Online Community | DBMI Colloquium, University of Pittsburgh, PA | 11/06/2009 |
| Spallek, H | Curriculum Management Tool | 2009 Board of Visitors, School of Dental Medicine, Pittsburgh, PA | 11/18/2009 |
| Spallek, H | Curriculum/CMT: Work in Progress | 2009 Faculty Retreat, School of Dental Medicine, Pittsburgh, PA | 12/14/2009 |
| Spallek, H | Web 2.0 and the Dental Informatics Online Community | Intelligent Systems AI Forum, Computer Science Department, University of Pittsburgh, PA | 01/15/2010 |
| Spallek, H; O'Donnell, J | Three-Pronged Course Evaluation | ADEA 87th Annual Session and Exposition: Lunch and Learn, Washington, DC | 03/2/2010 |

| Presenter(s) | Title | Event | Date(s) |
|---|---|---|---|
| Spallek, H | Dental Informatics Research Challenges | Graduate course for MLIS students at the School of Information Science, Pittsburgh, PA | 03/30/2010 |
| Spallek, H | Reliable information on the Internet for dental practice: Where do I go to find out what I need to know? | Annual World Dental Congress (FDI), Salvador da Bahia, Brazil | 09/04/2010 |
| Spallek, H | Effective Presentation Techniques | Writing and Presentation Class (BIOINF2134), Department of Biomedical Informatics, Pittsburgh, PA | 09/13/2010 09/06/2011 05/03/2012 09/11/2012 09/03/20130 9/17/2014 09/10/2015 |
| Eisenberg, E; Spallek, H | How to lead as the use of technology continues to increases? | 2011 ADEA Annual Session & Exhibition: **Keynote** at the ADEA Leadership Institute Alumni Association Business Meeting, San Diego, CA | 03/14/2011 |
| Spallek, H | Dental Informatics—An Overview | Graduate course for MLIS students at the School of Information Science, Pittsburgh, PA | 03/212011 |
| Spallek, H | Implementing Research Findings and Evidence-Based Interventions into Real-World Dental Practice Settings | Center for Dental Informatics, Department of Dental Public Health, Research Seminar, Pittsburgh, PA | 07/01/2011 |
| Spallek, H | Effective Presentation Techniques | School of Dental Medicine, University of Bonn, Germany | 08/1/2011 |
| Spallek, H | Apple iPads for Teaching and Learning | OMFS residents and faculty meeting, School of Dental Medicine, University of Pittsburgh, Pittsburgh, PA | 07/26/2011 |

| Presenter(s) | Title | Event | Date(s) |
|---|---|---|---|
| Spallek, H | Dental Informatics – An Overview | Health Information Management in the Non-Traditional Setting lecture series, Pittsburgh, PA | 10/12/2005 10/18/2006 10/17/2007 10/27/2008 11/09/2009 11/08/2010 11/09/2011 11/05/2012 11/13/2013 11/12/2014 |
| Patel V, Spallek H, Walji MF | The Need for Informatics Education and Training in Dentistry | 2012 ADEA Annual Session & Exhibition, Orlando, FL | 03/21/2012 |
| Eisenberg ES, Spallek H | Lecture Capture: Pedagogy, Policy, and Student/Faculty Perspectives | 2012 ADEA Annual Session & Exhibition, Orlando, FL | 03/19/2012 |
| O'Donnell JA, Spallek H, Becker K, Polk D | Can you teach empathy with a computer? | 2012 ADEA Annual Session & Exhibition: Teaching and Learning With Emerging Technologies and Informatics: Short Talks, Orlando, FL | 03/17/2012 |
| Spallek, H | Tweeting along for Assessment | Annual Faculty Retreat, School of Dental Medicine, Pittsburgh, PA | 04/30/2012 |
| Spallek, H | Creating an Effective Pain Education Portal | Centers of Excellence in Pain Education (CoEPEs) Kick-Off Meeting, NIH, Bethesda, MD | 07/11/2012 |
| Spallek, H | The Role of Informatics in Research, Patient Care and Education | Marshfield Clinic, Marshfield, WI | 08/7/2012 |
| Kalenderian E, Spallek H | Panelist for axiUm CE: Patient Portal, axiUm e-prescription | axiUm User Summit, Vancouver, BC | 02/11/2013 |
| Spallek H | Crown Preparation Tutorial | ADEA Annual Session & Exhibition: MedEdPORTAL Showcase (**invited** annually as speaker) | 03/14/2011 03/19/2012 03/18/2013 |

| Presenter(s) | Title | Event | Date(s) |
|---|---|---|---|
| Horvath Z, Spallek H, Oakley M | The Perils of Electronic Communication in the Dental Setting | 2013 ADEA Annual Session & Exhibition, Seattle, WA | 03/17/2013 |
| Spallek H, Bender D, MacDonald, L von Bergman H | Transforming a Clinical Dentist Into a Dental Educator in 24 Hours (Session Chair: Spallek H) | American Education Research Association, Division I - Education in the Professions, San Francisco, CA | 04/28/2013 |
| Johnson L, Spallek H, Genuis M, Yazdi K, | The future of data sharing for all of health care | Information Technology in Academic Medicine Conference sponsored by the Association of American Medical Colleges Group on Information Resources (GIR), Vancouver, Canada | 06/05/2013 |
| Spallek H | Cheating with Technology | Annual Faculty Retreat Follow-Up Session, Pittsburgh, PA | 06/28/2013 |
| Spallek H | Appointment, Promotion and Tenure at the SDM--An Overview of Current Guidelines and University Policies to faculty | Workshop, Pittsburgh, PA | 11/12/2013 |
| Spallek H | Technology in Dental Education | **Keynote**, Annual Faculty Retreat, Rutgers School of Dental Medicine, Newark, NJ | 12/16/2013 |
| Spallek H | Building a Service Organization for Dental Education | **Invited Presentation,** University of Pennsylvania, School of Dental Medicine | 01/13/2014 |
| Spallek H, Horvath Z, Vieira, A, Weinberg, S | Writing and Maintaining your CV | Faculty Development Workshop, School of Dental Medicine, Pittsburgh, PA | 02/24/2014 |
| Spallek H | Academic Dishonesty— How to Detect It and How to Prevent It | 2014 ADEA Annual Session & Exhibition, San Antonio, TX | 03/15/2014 |

| Presenter(s) | Title | Event | Date(s) |
|---|---|---|---|
| Spallek H, Oakley M | Credentialing Employees and Students: Changing Our Approach and Ending the Administrative Nightmare | 2014 ADEA Annual Session & Exhibition, San Antonio, TX | 03/17/2014 |
| Berg J, Johnson L, Rankin D, Spallek H | TEACHnology: Integrating Learning With the Future Electronic Health Record | 2014 ADEA Annual Session & Exhibition, San Antonio, TX | 03/16/2014 |
| Johnson L, Spallek H, Genuis M, Rankin D | The Electronic Health Record (R)evolution | 2014 Internet2 Global Summit, Denver, CO (selected for netcasting as featured event) | 04/07/2014 |
| Spallek H | Understand Dissemination — Types of Strategies and What Do We Do that Works? | **Invited Presentation:** Evidence Based Dentistry Champions 2.0 Conference, Chicago, IL (1/2015: presentation converted to Podcast and distributed by ADA) | 05/10/2014 |
| Spallek H, Hangorski, U | Unlocking Innovation through Technology: Interactive Panel: Myth Busters | 2014 American Dental Education Association Commission on Change and Innovation in Dental Education (ADEA CCI) Summer Liaisons Meeting, Philadelphia, PA | 06/11/2014 |
| Spallek H, Kalenderian E, McBrearty C, Espiritu J, Brandon R | Medicare & Medicaid EHR Incentive Program: Meaningful Use Stage 1, 2 & 3 Requirements Overview | 2014 Dental Consortiums Mid-Year Meeting, Memphis, Tennessee | 09/04/2014 |
| Spallek H | Technology in Dental Education | **Keynote**, Faculty Development, The Ohio State University College of Dentistry, Columbus, OH | 09/23/2014 |
| Yazdi K, Carozzoni R, Spallek H, Hoven P, Johnson J, Wolf A | Overcoming roadblocks when deploying cloud-based software: pulling one tooth at a time | 2014 Technology Exchange, Internet2, Indianapolis, IN | 10/29/2014 |

| Presenter(s) | Title | Event | Date(s) |
|---|---|---|---|
| Weiner D, Spallek H | Multi-Disciplinary Educational Research | **Invited Presentation:** Medical Educational Research Methods and Innovation Design (MERMAID) Series, School of Medicine, University of Pittsburgh, Pittsburgh, PA | 12/12/2014 |
| Kimmes N, Garcia RM, Wolff MS, Oakley M, Aronhime YL, Spallek H, Horvath, Z. | Assessment of the Status Quo of Clinical Grading Practices in Dental Education | Consortium for Oral Health Research and Informatics (COHRI) Education Steering Committee, Annual axiUm Summit, Vancouver, Canada | 02/06/2015 |
| Spallek, H | Technology in Clinical Teaching: Online Medical Professionalism | **Invited Presentation:** Faculty Learning Community, University of Pittsburgh, Pittsburgh, PA | 02/05/2015 |
| Spallek, H | Creating and Promoting your Own Technology for Clinical Teaching | **Invited Presentation:** Faculty Learning Community, University of Pittsburgh, Pittsburgh, PA | 02/05/2015 |
| Spallek, H | Social Media for Pre-Dental Students | **Invited Presentation:** Undergraduate Pre-Dental Club, University of Pittsburgh, Pittsburgh, PA | 03/03/2015 |
| Spallek, H Yazdi, K Johnson, L Rankin, D | Moving to the Cloud? Tips for Successful Change Management | 2015 ADEA Annual Session & Exhibition, Boston, MA | 03/08/2015 |
| Spallek, H Horvath, Z | Developing Faculty for Inter-professional Education and Scholarship | **Invited Panel Speaker:** IFDEA Workshop, 2015 IADR General Session in Boston | 03/11/2015 |
| Spallek, H | Converting Data Cemeteries into Sources of Knowledge | **Invited Presentation:** Big Data for Oral Health Knowledge (in conjunction with the 2015 IADR General Session in Boston) | 03/14/2015 |

| Presenter(s) | Title | Event | Date(s) |
|---|---|---|---|
| Spallek, H | Costs of Health IT: Beginning to Understand the Financial Impact of a Dental School EHR https://vimeo.com/fdim/spallek-cost-of-health-it | I2 Global Summit, Washington DC | 04/27/2015 |
| Spallek, H | Dissemination and Implementation – Routine Practice | **Invited Presentation:** 2015 Dental Quality Alliance Conference "The Roles of Quality Measurement" ADA HQ, Chicago, IL | 05/02/2015 |
| Spallek, H Weng, C Becich, M Cooper, G Jacobson, R McTigue, K | Towards Learning Health Systems: What role does Informatics play? | **Invited Panel Moderator:** Annual Department of Biomedical Informatics Training Program Retreat, Pittsburgh, PA | 08/22/2015 |
| Spallek, H Kimmes, N | E-portfolios: Status quo, Implementation Experiences, Barriers, Solutions | 2015 Dental Consortiums Mid-Year Meeting: COHRI Meeting, San Francisco, CA | 09/28/2015 |
| Spallek, H | Continuous Learning Health System and Dentistry | 2015 Dental Consortiums Mid-Year Meeting: COHRI Meeting, San Francisco, CA | 09/29/2015 |
| Spallek, H | Why bother? Why cloud? | 2015 ADEA Sections on Business and Financial Administration and Clinic Administration (ADEA BFACA), Fort Lauderdale, FL | 10/04/2015 |
| Spallek, H | Technology in Clinical Teaching: Online Medical Professionalism | **Invited Presentation:** Faculty Development Seminar, University of Pittsburgh, Pittsburgh, PA | 10/08/2015 |
| Spallek, H | Introduction to the file sharing system "Box" as collaboration tool | **Invited Webinar**: National Institute for Drug Abuse, Centers for Excellence in Pain Education | 10/14/2015 |
| Stohler, CS Spallek, H Plummer, KD | Innovative Approaches for Teaching with Technology: Engaging Today's Learners | 2016 ADEA Annual Session & Exhibition, Denver, CO | 03/14/2016 |

| Presenter(s) | Title | Event | Date(s) |
|---|---|---|---|
| Atchison, K<br>Dye, B<br>Walji, M<br>Spallek, H | Big data, informatics and dental education | AADR/CADR Annual Meeting & Exhibition, Los Angeles, CA | 03/18/2016 |
| Spallek, H | Big Data in Dentistry | Data Science in Business Research Group, School of Business, University of Sydney, NSW | 04/07/2016 |
| Spallek H | Technology in Clinical and Didactic Teaching: Enabler of Active Learning or Source of Profound Embarrassment? | **Invited Presentation:** University of Vancouver Faculty of Dentistry, Vancouver, BC, Canada | 05/31/2016 |
| Spallek H | The importance of an electronic oral health system and accurate patient data entry | **Invited Presentation:** 2016 NSW Public Oral Health Conference, Centre for Oral Health Strategy NSW, Leura, NSW | 09/20/2016 |
| Spallek H | Big Data: Opportunities for Dental Research in Australia | **Invited Presentation:** Faculty Research Day, Faculty of Dentistry, University of Sydney, NSW | 09/22/2016 |
| Spallek H | Reorganisation of Medical and Health Faculties | **Invited Presentation:** Faculty of Pharmacy Research Retreat, Sydney, NSW | 11/01/2016 |
| Spallek H | Technology-rich Learning Environments in Health Professions Education: Lessons learned during the last two decades | **Invited Presentation:** Education Hub Grand Rounds, Research and Education Network, Westmead Hospital, NSW | 11/14/2016 |
| Spallek H | Dental Informatics in the Western Sydney Local Health District | **Invited Presentation:** WSLHD Health Informatics Advisory Group, Westmead, NSW | 11/28/2016 |
| Spallek H | Advances in Dental Education — "ls our children learning?": Lessons learned during the last two decades | **Invited Presentation:** Faculty Development Workshop, The University of Texas Health Science Center at Houston, School of Dentistry, Houston, TX | 01/18/2017 |

| Presenter(s) | Title | Event | Date(s) |
|---|---|---|---|
| Spallek H | Big Data and How Data can guide Scientific Decision-Making<br><br>https://www.youtube.com/watch?v=pY3HIoMnCoc | **Closing Key Note speaker**: American Institute of Dental Public Health's national colloquium "Dental Public Health Informatics: Opportunities in a Changing Environment", San Antonio, TX | 01/19/2017 |
| Johnson L<br>Spallek H<br>Voss D<br>Rankin D | Teaching From the Cloud: What Elements of Dental Education Should Move to the Cloud? | 2017 ADEA Annual Session & Exhibition, Long Beach, CA | 03/20/2017 |
| Neumann ACS<br>Spallek H<br>Alghanem T<br>Gutkin J | Using Technologies to Facilitate and Enhance Interprofessional Education | 2017 ADEA Annual Session & Exhibition, Long Beach, CA | 03/20/2017 |
| Johnson L<br>Spallek H<br>Pitts N<br>Genuis M | How Cloud Electronic Health Records (EHRs) Support Research | IADR/AADR/CADR Annual Meeting & Exhibition, San Francisco, CA | 03/23/2017 |
| Spallek H | How can computers and information science reshape healthcare? | Sancta Sophia College, University of Sydney, NSW | 04/28/2017 |
| Spallek H | Big Data: How data can guide the clinical decision-making process | Australian Dental Students' Association, Annual Convention, Sydney, NSW | 07/07/2017 |
| Spallek H | Local and Global Opportunities: Eliminate data cemeteries in support of research | Collaboration for Health IT, Annual Meeting, Calgary, Canada | 07/27/2017 |
| Spallek H<br>Deschner J<br>Freeman B<br>Nguyen K | Sydney Ideas Dental Health Forum: Putting the mouth into health | Moderator of Expert Panel Discussion, Sydney, NSW | 08/08/2017 |
| Spallek H | Navigating your Way, Experiences of a New Senior Leader | University of Sydney, Senior Leaders' Induction Program, Sydney, NSW | 09/19/2017 |

| Presenter(s) | Title | Event | Date(s) |
|---|---|---|---|
| Spallek H | Big Data for Better Health Outcomes in NSW | Prevention & Beyond: A Symposium on Oral Health Priorities, Sydney, NSW | 10/05/2017 |
| Spallek H | Future Ways of Working in Dentistry | University of Sydney, ICT Project Management Office Town Hall, Sydney, NSW | 10/05/2017 |
| Irving M Spallek H | Evaluation of a teledentistry program to support new dental graduates working in rural and remote Aboriginal communities using the technology acceptance model | 57th Annual Scientific Meeting of IADR Australian & New Zealand Division, Adelaide, SA | 10/26/2017 |
| Johnson L Genuis M Spallek H | Collaboration for Health IT: Designed to Support Research | Texas Repository of Oral Health Data for Evaluation and Outcomes: webinar 74 attendees https://www.youtube.com/watch?v=8_Is-23IUZI | 02/07/2018 |
| Scott S Baur L Cheng T Chow C Pickett H Sorrell T Spallek H | Panelist | International Day of Women and Girls in Science, Westmead Institute for Medical Research: public conversation, Westmead, NSW | 02/08/2018 |
| Johnson L Rankin D Spallek H | What is YOUR Vision of the Future of Patient Care? | 2018 ADEA Annual Session & Exhibition, Orlando, FL | 03/18/2018 |
| Walji M Yansane A Spallek H Kalenderian E | How to Use EHR Data for Research | 2018 ADEA Annual Session & Exhibition, Orlando, FL | 3/18/2018 |
| Johnson L Genuis M Spallek H González-Cabezas C | Contemporary EHRs: How Standards Support Global Research and Education | 2018 AADR/CADR Annual Meeting & Exhibition, Fort Lauderdale, FL | 03/22/2018 |

| Presenter(s) | Title | Event | Date(s) |
|---|---|---|---|
| Spallek H | Vision of the Collaboration for Health IT | Nova Southeastern University, College of Dental Medicine, Webinar | 03/23/2918 |
| Spallek H | Social Media for Dental Professionals | Poche Centre for Indigenous Health at Westmead | 04/10/2018 |
| Spallek H, Laskin B | Interoperability, AI, and Blockchain with Professor Heiko Spallek | The Operatory Podcast | |
| Spallek H | Navigating your Way as a Senior Leader | University of Sydney, Senior Leaders' Induction Program, Sydney, NSW | 04/13/2018 |
| Spallek H | Is Artificial Intelligence Threatening our Professional Future? | Academic Event, Sancta Sophia College, University of Sydney | 04/26/2018 |
| Spallek H | Using Data for Better Health | Sydney Dental School Research seminar | 05/29/2018 |
| Spallek H Lynch K Kilbreath S | Developing your Academic Strategy and Narrative: Preparing for Advancement | Sydney Women's Mentoring Program | 06/22/2018 |
| Spallek H Neville P Patrick A Holden A | Reality Bytes: Are We Unfollowing Dental Professionalism on Social Media? | 2018 IADR/PER General Session & Exhibition, London, England | 07/25/2018 |
| Spallek H Johnson L Genuis M Fisher J | Research Potential of Electronic Dental Records | 2018 IADR/PER General Session & Exhibition, London, England | 07/26/2018 |
| Spallek H | Informatics for Better Dental Education | **Keynote** 29th South East Asia Association for Dental Education (SEAADE), Da Nang, Vietnam | 09/11/2018 |
| Spallek H | Excellence in Dental Research Through the Use of Big Data | **Keynote** 32nd IADR Southeast Asian Division Annual Meeting, Da Nang, Vietnam | 09/13/2018 |

| Presenter(s) | Title | Event | Date(s) |
|---|---|---|---|
| Spallek H | Navigating your Way as a Senior Leader | University of Sydney, Senior Leaders' Induction Program, Sydney, NSW | 10/05/2018 |
| Spallek H | Panel member for Pan Pacific Dental Education Forum | 41ST Annual Scientific Meeting and Dental Exhibition, Chinese Taipei Association for Dental Sciences, Kaohsiung, Taiwan | 10/19/2018 |
| Spallek H | The Use of Data for Better Dental Education and Research | **Keynote** 2nd SNUSD International Conference for Future Dentistry, Seoul, Korea | 10/27/2018 |
| Spallek H | Big Data and How Data can guide Scientific Decision-Making | **Invited Presentation** Australian Society of Orthodontics NSW Branch Meeting, Sydney, NSW | 11/02/2018 |
| Spallek H | Panelist | The Role of Big Data in Addressing the Determinants of Non-communicable Diseases in the Ageing Era, Worldwide Universities Network (WUN), Sydney, NSW | 12/10/2018 |
| Spallek H | Opening remarks as Academic Lead DH-HSI | AMSAH 2019: Artificial Intelligence in Medicine, Surgery and Healthcare, Westmead, NSW | 03/09/2019 |
| Walji M, Spallek H, Rindall B, Kalenderian, E | Improving Dental Quality Through the BigMouth Learning Health Consortium | 2019 ADEA Annual Session, Chicago, USA | 03/18/2019 |
| Spallek H | Why is innovation so hard in dentistry? | **Invited Presentation** QS Subject Focus Summit on Dentistry, Kyung Hee University, Seoul, Korea | 04/05/2019 |
| Spallek H | A world of fax machines is not safe for our patients! | Sydney Dental School Research seminar, Westmead, NSW | 05/28/2019 |

| Presenter(s) | Title | Event | Date(s) |
|---|---|---|---|
| Spallek H | Panelist: How do you build digital capacity in the healthcare workforce | HISA Grand Round Event: building digital capacity in the healthcare work force, Westmead, NSW | 06/12/2019 |
| Spallek H | Upskilling our Clinical Workforce in Digital Health | HISA Grand Round Event: building digital capacity in the healthcare work force, Westmead, NSW | 06/12/2019 |
| Spallek H | Host of Symposium: The Future of Dentistry as Part of a Learning Health System | ADR/AADR/CADR General Session & Exhibition, Vancouver, CA | 06/20/2019 |
| Spallek H | Health Information Technology: A Long-term Vision for the Collaboration | **Invited Presentation** Collaboration for Health IT Annual Meeting, Calgary, Canada | 06/25/2019 |
| Spallek H | From womb to tomb: A vision for how data can improve health | **Invited Presentation** 2019 Lifespan Research Day, University of Sydney, Sydney, NSW | 07/25/2019 |

## 3. Other research related activities

Editorship

| | |
|---|---|
| 1993-2006 | Editor of Mailing List Periodont (electronic circulation) |
| 2004 | Co-editor of the proceedings of "Dental Informatics and Dental Research: Making the Connection", Bethesda, June 12 and 13, 2003 published in Advances in Dental Research 12-1-2003;17 |
| 2009-2012 | Board member, MedEdPORTAL Advisory Board, American Dental Education Association |
| 2012-2016 | Member of the ADEA *Journal of Dental Education* Editorial Review Board |

Scientific Program Committees

Annual Symposium of the Association for Computing Machinery (ACM) on Applied Computing, Special Track on "Computer Applications in Health Care", March 2003, Melbourne, Florida

American Medical Informatics Association Annual Symposium

Annual Symposium of the Association for Computing Machinery (ACM) on Applied Computing, Special Track on "Computer Applications in Health Care", March 2004, Nicosia, Cyprus

Medinfo 2004, November 2004, San Francisco

2005, 2006, 2013 Annual Session TechFair & Expo of the American Dental Education Association

Annual Symposium of the Association for Computing Machinery (ACM) on Applied Computing, Special Track on "Computer Applications in Health Care", March 2007, Seoul, Korea

Applications of Hypertext, Hypertext 2008, ACM Conference on Hypertext and Hypermedia, Pittsburgh, PA, June 2008

Applications of Hypertext Program Committee, ACM Hypertext 2009, Pittsburgh

2011 AMIA Fall Symposium

Reviewer

Advances in Medical Education and Practice

American Journal of Distance Education

Artificial Intelligence in Medicine for special issue "Intelligent Medical Training Systems"

BMC Health Services Research

BMC Medical Education

BMC Oral Health

BMC Pediatrics

European Journal of Dental Education

International Dental Journal (FDI)

International Journal of Healthcare Management

Journal of Applied Clinical Informatics

Journal of Dental Education

Journal of Esthetic and Restorative Dentistry

Journal of Medical Internet Research

Journal of Medical Systems

Journal of Pathology Informatics

Journal of Public Health Dentistry

Journal of Pain Medicine

Journal of the American Dental Association

Journal of the American Medical Informatics Association

MedEdPORTAL

PLOS ONE

The Cleft Palate-Craniofacial Journal

University of Pittsburgh Office of Technology Management (invention disclosures for patenting)


**SERVICE:**

## 1. University

<u>Temple University</u>

| | |
|---|---|
| 8/1999 | Chair, Search Committee for Associate Professor (Instructional Design) |
| 07-08/2000 | 2000 Academic Appeals Committee |
| 11/2000-12/2001 | Continuing Education Committee |
| 10/1998-12/2001 | Honor Board |
| 11/1996-12/2001 | WWW Editorial Board |
| 03/1996-12/2001 | Curriculum Committee |
| 10/1996-05/2000 | Temple University Technology Classrooms Committee |

<u>University of Pittsburgh</u>

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|---|---|
| 09/2002-9/2004 | Chair, Web Content Task Force for the development of a new Website for the School of Dental Medicine (SDM) |
| 01/2003-9/2005 | IT Advisory Committee, School of Dental Medicine (SDM) |
| 01/2002-9/2005 | Education Technology Advisory Committee (SDM) |
| 07/2007-12/2015 | First Professional Curriculum Committee (SDM) |
| 09/2007-5/2010 | Accreditation Steering Committee (SDM) |
| 10/2007-5/2010 | Chair, Information Management Accreditation Sub-Committee (SDM) |
| 06/2008-2012 | Vice-Chair, First Professional Curriculum Committee (SDM) |
| 02/2009-2014 | Strategic Planning and Outcomes Committee (SDM) |
| 08/2009-12/2015 | Health Sciences Ambassador, University of Pittsburgh (UoP) |
| 10/2010-2012 | Electronic Health Record Faculty Liaison Committee (SDM) |
| 01/2011-2013 | Working Group on Interprofessional Education (UoP) |
| 02/2011-12/2015 | University Council on Graduate Study (UoP) |
| 02/2011-12/2015 | Liaison to the Center for Instructional Development & Distance Education for the School of Medicine |
| 07/2011-12/2015 | Center for Global Health, University of Pittsburgh (UoP), part of the Global Health Education Consortium |
| 02/2013-12/2015 | Chair, Next Generation Electronic Health Record System Committee (SDM) |
| 02/2013-12/2015 | Chair, Subcommittee on Graduate Procedures, University Council on Graduate Study (UoP) |
| 04/2013-12/2015 | Member, University's Central Research Development Fund (CRDF) Science and Engineering Review Committee |
| 07/2014-09/2015 | Health Sciences Course in Scientific Management and Leadership Planning Committee |
| 09/2015-12/2015 | Health Sciences Faculty Leadership Academy Planning Committee |

<u>University of Sydney</u>

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|---|---|
| 05/2016-present | Westmead Education and Conference Centre Refurbishment Project User Group |
| 08/2016 | Selection panel for Deputy Dean Academic for Faculty of Health Sciences |
| 09/2016-present | e-record committees: (1) Oral Health Project Steering Committee for WSLHD, (2) SLHD Titanium Implementation Committee |

| 10/2016-present | Oral Health Clinical Counsel for SLHD |
| 10/2016-present | Board, Poche Centre for Indigenous Health |
| 03/2017-present | Clinical Trial Management Tool Project Control Board |
| 05/2017-present | eHealthMap Steering Committee |
| 06/2017-present | Digital Health and Informatics Steering Committee |
| 07/2017-present | Professionalism in Dentistry Steering Group |
| 06/2017-present | Visiting Noel Martin Chair Steering Committee |
| 07/2017 | Selection panel for Head of School for School of Literature, Art and Media |
| 02/2018 | Selection panel for Kam Ling Barbara Lo Chair in Neurodegenerative Disorders, Brain and Mind Centre |
| 11/2018-present | Honorary Associate, Sydney Health Ethics, Sydney School of Public Health, Faculty of Medicine and Health |
| 05/2019-present | Member, Oral Health Research Committee (OHRC) |
| 06/2019-present | Member, Australian Dental Council Working Party for Risk-based Accreditation |
| 06/2019-present | Director, Australasian Council of Dental Schools (ACODS) |

## 2. Community Activities

| 11/1997-present | Web design and professional electronic communication, GABA International AG (pharmaceutical company, Switzerland) |
| 10/1999-present | eMarketing and Web-based patient appointment tracking, FreeVis (LASIK Center Germany) |
| 03/2005-present | Graphic and Web design, K. P. Soergel & Associates, Inc., Gibsonia, PA |
| 11/2001 | Judge for Software Competition "2001 Instructional Computing in Dentistry" (American Dental Education Association) |
| 3/2001-10/2004 | Strategic Advisory Board, Idenex.com |
| 9/2005 | Office of the Chief Dental Officer, Department of Health, United Kingdom |
| 2008-2015 | Graphic and Web design, MS Miles of Smiles (http://www.msmilesofsmiles.com/) |

## 3. Continuing Education Presented

| Date(s) | Presenter(s) | Title | Meeting | Hrs |
|---|---|---|---|---|
| 12/9/1995, 11/4/1995 | Bernimoulin P, Kleber BM, Purucker B, Hägewald S, Spallek H | Clinical Periodontology – Basics of the non-surgical therapy & Periodontal Surgery | Philipp-Pfaff-Institute, Berlin, Germany | 14 |
| 11/1996, 2/1997, 5/1997 | Schleyer T, Spallek H | Dentistry on the Internet (online) | Temple University School of Dentistry | 3 |

| Date(s) | Presenter(s) | Title | Meeting | Hrs |
|---|---|---|---|---|
| 10/1999, 9/2000, 3/2001 | Schleyer T, Spallek H | Introduction to computers (hands-on) | Temple University School of Dentistry | 8 |
| 11/1999, 10/2000, 3/2001 | Schleyer T, Spallek H | Discover the power of the Internet (hands-on) | Temple University School of Dentistry | 8 |
| 1/13/2000 | Spallek H | Overview of Dental Informatics | Roxborough Study Club for Dentistry | 2 |
| 4/1/2000 | Spallek H, Schleyer T | Educational implications for copyright in a digital world | American Association of Dental Schools Annual Session | 3 |
| 7/1999, 9/2000 | Lang P, Spallek, H | Accessing and Searching Bibliographic Databases (online) | Temple University School of Dentistry | 3 |
| 11/2000 | Schleyer T, Spallek H | Design a Website for your practice (hands-on) | Temple University School of Dentistry | 8 |
| 04/2001 | Spallek H | Dental Computing: An overview | Northeast Dental Society, Philadelphia | 3 |
| 01/2003 - present | Spallek H | Information Retrieval for Dental Professionals (online) | University of Pittsburgh, School of Dental Medicine | 3 |
| 02/2005 | Spallek H, Schleyer T | Intraoral Cameras | University of Pittsburgh, School of Dental Medicine | 2 |
| 02/2006 | Spallek H, Seyedain A | Dental Photography: How to shoot digital and optimize the results with Photoshop | University of Pittsburgh, School of Dental Medicine | 6 |
| 11/2006 | Spallek H, Seyedain A | Dental Photography: How to shoot digital and optimize the results with Photoshop | University of Pittsburgh, School of Dental Medicine | 9 |
| 02/2007 | Spallek H | How to Optimize the Results With Photoshop | University of Pittsburgh, School of Dental Medicine | 2 |
| 09/2007 | Johnson L, Spallek H, Anderson P | Using web-based resources in clinical practice | American Dental Association, 148th Annual Session, San Francisco | 5 |
| 11/2007 | Spallek H | How to Optimize the Results With Photoshop | University of Pittsburgh, School of Dental Medicine | 6 |
| 10/2008 | Spallek H | How to Optimize the Results With Photoshop | University of Pittsburgh, School of Dental Medicine | 6 |

| Date(s) | Presenter(s) | Title | Meeting | Hrs |
|---|---|---|---|---|
| 01/2010 | Spallek H | Effective Presentation Techniques | University of Texas Dental Branch at Houston, Houston, TX | 1 |
| 04/2010 | Spallek H | How to Optimize the Results With Photoshop | University of Pittsburgh, School of Dental Medicine | 6 |
| 03/2012 | Horvat Z Spallek H O'Donnel J Polk DE | Use of standardized patients: How to prepare students and facilitators for practice sessions | ADEA Annual Session & Exhibition, Orlando, FL | 2 |
| 10/2012 | Spallek H | How to Optimize the Results With Photoshop | University of Pittsburgh, School of Dental Medicine | 3 |
| 11/2016 | Spallek H | Social Media for Dentists | University Department of Rural Health, Broken Hill, NSW | 2 |
| 04/2017 | Spallek H | Social Media for Health Care Providers | University Department of Rural Health, Broken Hill, NSW | 2 |
| 07/2017 | Spallek H | Social Media for Dentists | Continuing Education Unit, Faculty of Dentistry, University of Sydney | 2 |

## 4. National Committees

| | |
|---|---|
| 01/2002-01/2007 | Working Group Steering Committee, American Medical Informatics Association |
| 10/2001-10/2004 | Dental Manufacturers of America, Electronic Environment Committee |
| 11/1997-12/2004 | Chair, Dental Informatics Working Group American Medical Informatics Association |
| 2011-Present | Member, Advisory Board for the Collaboration on Health IT" |
| 05/2012-05/2014 | Member, Board of Directors of the Consortium for Oral Health Research and Informatics (COHRI) |
| 07/2012-05/2014 | Chair, Education Steering Committee, COHRI |
| 03/2013-03/2014 | Secretary, Dental Informatics Section, American Dental Education Association |
| 03/2014-03/2015 | Chair Elect, Dental Informatics Section, American Dental Education Association |
| 03/2015-03/2016 | Chair, Dental Informatics Section, American Dental Education Association |
| 03/2016-Present | Councillor, Dental Informatics Section, American Dental Education Association |
| 04/2014-Present | Member of the Advisory Council, Center for Oral and Systemic Health (COSH) at the Marshfield Clinic |
| 12/2014-02/2018 | Representative of the American Association for Dental Research to serve on the American Dental Association's Standards Committee on Dental Informatics (SCDI) |

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|---|---|
| 01/2015-02/2018 | Chair, ADA SCDI Working Group 13.1 on Educational Software Used in Electronic Media |
| 02/2016-02/2018 | Vice Chair, Subcommittee on Knowledge Management, American Dental Association's Standards Committee on Dental Informatics (SCDI) |
| 06/2015-Present | The National Dental Practice-Based Research Network (NDPBRN), member |
| 08/2015-02/2018 | Chair, ADA SCDI Working Group 13.4 Use of Computer-Based Resources for Access to Information Supporting Oral Healthcare |
| 09/2015-09/2016 | Secretary, Board of Directors of the Consortium for Oral Health Research and Informatics (COHRI) |
| 2018-Present | Member, University Executive Student Life Committee, The University of Sydney |
| 2018-Present | Chair, University Executive Student Life Working Party Westmead/ Parramatta, The University of Sydney |
| 2018-Present | Member, Poche Advisory Board, The University of Sydney |
| 02/2018-Present | Member, Australasian Council of Dental Schools (ACODS) |