

**EDUCATION/TRAINING**

<b>INSTITUTION AND LOCATION</b>	<b>DEGREE</b>	<b>MM/YY</b>	<b>FIELD OF STUDY</b>
West Governor’s University, (TN)	MBA	2017	Health Information Management
University of Tennessee, Knoxville, TN	MSIS	2013	Information Science
Tennessee State University, Nashville, TN	Ed.D	2010	Curriculum & Instruction
University of Illinois, Chicago, IL	MPH	2010	Public Health & Public Health Informatics
Harvard University, Cambridge, MA	Ed.M.	2000	Technology, Innovation, & Education
Brown University, Providence, RI	A.B	1998	Organizational Behavior & Management

**Summary**

Knowledge Management Expert; Instructional Designer and Technology Integration Specialist; Curriculum Developer; Professional with demonstrable analytical, problem resolution, and technical support expertise; Public Health and Public Health Informatics; Global Health Initiatives; Marketing & Communication; and Grant Writing.

**Summary of Qualifications**

- Digital Library management and operations
- Application of EBM knowledge resources to inform clinical decision making
- Appraisal of literature & Systematic Reviews
- Disease mapping with Geographic Information Systems
- Instructional design and technology integration strategies
- Program development and Grant writing skills
- Assessment and evaluation tools, and database design/analysis tools
- Leadership and management skills

**Achievements**

<b>Process Improvement:</b>	Reorganized and restructured library operations amounting to savings of \$150,000.
<b>Team Building:</b>	Effectively led staff to collaborate as a team focusing on excellent service, mutual respect, with an accountable team spirit.
<b>Training:</b>	Designed interactive, online instructional tutorials for ease of access with the library team.
<b>Program Development</b>	Restructured Academic Computing to focus on technology integration and effective faculty training and saved the College almost \$100,000 on Bb Collaborate and Bb Cloud. Received an award of \$20,000 to adapt the Health Policy Certificate to an Online medium
<b>Program Management:</b>	Efficiently managed diverse, research projects that culminated in program implementation, abstracts, poster, and paper presentations.
<b>Preservation and Conservation:</b>	Led a team to digitize historical collections including Yearbooks, Catalogues, Newsletters, Convocation programs, historical records; and provided online access through an open source database.

## Research Experience

- Integrating Evidence-Based Medicine/Dentistry in medical/dental education
- The Use of Handheld Devices (smart phones/Tablets) in Clinical Care
- Teaching Effectiveness & the use of Technology in Higher Education
- The Use of Collaboration Tools in Learning Management Systems (LCMS)
- Social Networking Tools: Web 2.0; Faculty 2.0; and Library 2.0.
- Information Science - Integrated Library Systems; User Instruction/Behavior
- Research Informatics – Public Health Decision Making Support Systems
- Social Informatics: Social Applications of Information Communication Technologies

## Video Publications/Link

1. THENEXTDDS WaveOne Technique Article  
[https://www.academia.edu/8751635/Single\\_File\\_Approach\\_for\\_Predictable\\_Endodontic\\_Canal\\_Instrumentation](https://www.academia.edu/8751635/Single_File_Approach_for_Predictable_Endodontic_Canal_Instrumentation)
2. You Tube Video: The Wave One Technique:  
<http://www.youtube.com/watch?v=xaTXLOghTxE&sns=em>
3. The NEXT DDS Endodontics  
[www.thenextdds.com/videos/management-of-nonsurgical-endodontic-retreatment-utilizing-contemporary-technologies](http://www.thenextdds.com/videos/management-of-nonsurgical-endodontic-retreatment-utilizing-contemporary-technologies)

## Book Chapter:

Jennifer A. Lyon, MS, MLIS; Fatima Barnes, EdD, MPH, MSIS; Brenda L. Minor, B.S. (2015). Librarians' Integration in a Working Group of the REDCap International Consortium. (pp. 17-32). Rowman & Littlefield, Lanham, MD.

## Peer-reviewed Publications:

1. Block RM, Mncube-Barnes FM, Supan P, Agboto V. Student evaluation of a didactic-oriented teaching model in preclinical endodontics. *J Educ Ethics Dent* 2017; 6:8-14.
2. Fatima M. Mncube-Barnes, Ben Lee, Olumuyiwa Esuruoso, Phil N. Gona, Stephane Daphnis. Mobile Access to Clinical Information at the Point of Care. *OJPHI*, **spring 2017**; Vol. 8, No. 3, 2016. doi: 10.5210/ojphi.v8i3.7099. <http://ojphi.org/ojs/index.php/ojphi/article/download/7099/5814>
3. Kirk McDonald, BS, MS; Robert Block, DDS, MS; Fatima Mncube-Barnes, Ed.D, MPH, MSIS. Non-Surgical Management of an Endodontic Failure Utilizing Contemporary Technologies. *THENEXTDDS.com*, **spring 2015**, 4 (2).
4. Kirk McDonald, BS, MS; Robert Block, DDS, MS; Fatima Mncube-Barnes, Ed.D, MPH, MSIS. *Single-File Approach for Predictable Endodontic Canal Instrumentation: The Wave One Technique*. *THENEXTDDS.com*, **fall 2014**, 4 (2).
5. Fatima Mncube-Barnes, Ed.D, MPH, MSIS; Philip Walker, MLIS; Robert Block, DDS, MS, FACDS; and Amelia Whitehead, MLS. *Podcasting in Medical Education: A Literature Review*. **August, 2014**, MedEdWorld Publish.
6. Sandra L Deming; Ada Egbuji; Joan Smith; Adina Gociu; Justin Young; Cleo Carter; Fatima Barnes; Jemimah Oduma; Kimanthi Kimende; Adedeji Onayade; et al. *Challenges unique to the design of a comprehensive questionnaire assessing breast cancer risk factors among women in sub-Saharan Africa*. *Journal of health care for the poor and underserved*, **2010**; 21(1 Suppl):11-6

## ABSTRACTS/PAPER/POSTER PRESENTATIONS

---

1. F.M. Mncube-Barnes, L. McAllister, & P.L. Sealey. *Formalizing an institution-wide Journal Club and Research Seminar Elective*. Poster # 82, **May 20, 2018**, Medical Library Association, Atlanta, GA.
2. J. Simuel & F.M. Mncube-Barnes. *Librarians as Health Advocates in Health Fairs*. Poster # 122, **May 20, 2018**, Medical Library Association, Atlanta, GA.
3. J. Gunnoe & F.M. Mncube-Barnes. *Implementing a Scholarly Repository for Faculty Publications*. **May 20, 2018**, Medical Library Association, Atlanta, GA. Poster # 73.
4. Fatima M. Mncube-Barnes, Ben Lee, Olumuyiwa Esuruoso, Phil N. Gona, Stephane Daphnis. *Mobile Access to Clinical Information at the Point of Care*. OJPHI, **spring 2017**; Vol. 8, No. 3, 2016. doi: 10.5210/ojphi.v8i3.7099. Presented at the 5<sup>th</sup> International Conference on Medical Informatics & Telemedicine, **August 31- September 1, 2017**, Prague, Czech Republic.
5. R. Block, DDS, MS; Diplm. ABE; F. Mncube-Barnes, EDD, MPH, MSIS. *Effective Teaching of Wave One Technique in a Flipped Classroom*. Poster presentation: International Association for Dental Research (IADR), **June 2016**, Seoul, South Korea.
6. Benjamin Lee, Fatima M. Barnes, Stephanie C. McClure. *Gamification of Physical Activity: A Tool to Change the Culture of Sedentary Lifestyle*. This study explores the concept of gamifying physical activity to evaluate its efficacy as a tool to increase the physical activity of everyday Americans. Abstract submitted to the American Public Health Association for the APHA 143<sup>rd</sup> Annual Meeting & Expo, **October 31-November 4, 2015**.
7. McGlathery, G., Barnes, F., Alexander, L., & Ukoli F. *Breastfeeding Knowledge and Awareness*. Abstract submitted to the American Public Health Association for the APHA 143<sup>rd</sup> Annual Meeting & Expo, **October 31-November 4, 2015**.
8. Fatima Mncube-Barnes. *The Versatility of Academic Libraries in Challenging Times*. World Library and Information Congress: 81st IFLA General Conference and Council, **15-21 August 2015**, Cape Town, SA.
9. F. Mncube-Barnes. *Fostering Research Presentations through Inter-Professional Collaboration*. MLA, **May 2015**, Austin, TX. # 108.
10. G. Davis II, D.D.S., F. Barnes, EdD, MPH, MSIS, J. Gardner, M.A. K. C. Cheng, EdD. *Results of Assessment Tools as Indicators of Success on NBDE*. ADEA, **March 2015**, Boston, MA.
11. R. Block, F. Barnes, P. Supan, and K. Jefferson. Analyzing Teaching Effectiveness in an Undergraduate Endodontic Curriculum. A. Cherrie Epps Ph.D. Annual School of Medicine's Education Symposium, Meharry Medical College **April 14, 2015**.
12. F. Barnes and R. Block. *Evaluating Flipped Endodontic Classes through Students' NBDE's Results*, # 0925, IADR meeting **March, 2015**, Boston, Mass.
13. K. McDonald, R. Block, F. Barnes, P. Supan, and K. Jefferson: *Student Evaluation of the Wave One Technique in a Flipped Pre-Clinic Endodontic Class*, JDR # 0926, IADR meeting **March, 2015**, Boston, Mass.

14. K. McDonald, R. Block, F. Barnes, P. Supan, and K. Jefferson: *Student Evaluation of the Wave One Technique in a Flipped Pre-Clinic Endodontic Class*, ASDA, Boston, MA, **Feb. 2015**.
15. Mncube-Barnes, F., Whitehead A.A., Ranganathan, S. *Understanding the User's Perspective of Information- Seeking in the Digital Age*. SC/MLA, Mobile AL. **October, 2014** (Award: 2<sup>nd</sup> Place).
16. Mncube-Barnes, F., Whitehead A.A., Ranganathan, S. *Sharing information as Health Advocates*. SC/MLA, Mobile AL. **October, 2014**.
17. F.M. Barnes, A. Adkins, R. Block, S. Daphnis, and A. Whitehead: *Enhancing Dental Education with Smartphones and Tablet Apps*, IADR, Cape Town, South Africa **June 25-28, 2014**. JDR Abstract # 187581.
18. R. Block, F.M. Barnes, K. Jefferson, S. Daphnis, and A. Whitehead: *Determining the Effects of Socratic Method Teaching Design in Pre-Clinical Endodontics*, IADR, Cape Town, South Africa, **June, 25-28, 2014**. JDR Abstract # 190490.
19. Fatima Mncube-Barnes, EdD, MPH, MSIS; Christyne Douglas, MLIS; Philip Walker, MLIS; and Amelia Whitehead, MLS. *Bridging Cultures with Institutional Treasures of the Past*. MLA, Chicago, IL. **May 17-23, 2014**. Poster # 36.
20. R. Block, F. Barnes, P. Supan, K. McDonald, and K. Jefferson: *Sophomore Student Evaluation of the "WAVE ONE" Technique in Preclinical Endodontics*, AAE 2014, Annual Session, National Harbor, Maryland, **April 30, 2014**, JOE, **March 2014** OR11.
21. R. Block, F. Barnes, P. Supan, K. McDonald, and K. Jefferson: *Sophomore Student Evaluation of the "WAVE ONE" Technique in Preclinical Endodontics*, Meharry Medical College, Dean's Education Symposium, Nashville, TN, **April 4, 2014**.
22. R. Block, F. Barnes, P. Supan, K. Jefferson, V. Agboto: *Using Student Evaluations to Analyze Teaching in Preclinical Endodontics*, Meharry Medical College, Dean's Education Symposium, Nashville, TN, **April 4, 2014**.
23. R. Block, F. Barnes, P. Supan, K. Jefferson, V. Agboto: *Analysis of Effective Teaching in Pre-Clinical Endodontics through Student Evaluations*, AADR/CADR Annual Session, Charlotte, NC, **March 19-22, 2014**. JDR Abstract # 186243.
24. F.M. Barnes, A. Adkins, R. Block, S. Daphnis, and A. Whitehead: *Enhancing Dental Education with Smartphones and Tablet Apps*, ADEA, San Antonio, TX, **March 15-18, 2014**.
25. R. Block, F.M. Barnes, K. Jefferson, S. Daphnis, and A. Whitehead: *Determining the Effects of Socratic Method Teaching Design in Pre-Clinical Endodontics*, ADEA, San Antonio, TX, **March, 15-18, 2014**.
26. E. Sainvil, R. Block, P. Supan: *Comparison of Four Readability Indices to Analyze Informed Consent Documents*, Meharry Medical College, Student Research Day, **March 12, 2014**.
27. R. Block, F. Barnes, P. Supan, K. McDonald, and K. Jefferson: *Sophomore Student Evaluation of the "WAVE ONE" Technique in Preclinical Endodontics*, Meharry Medical College, Student Research Day, **March 12, 2014**.

28. F.M. Barnes, A. Adkins, R. Block, S. Daphnis, and A. Whitehead: *Enhancing Dental Education with Smartphones and Tablet Apps*, Meharry Medical College, Student Research Day, **March 12, 2014**.
29. R. Block, F. Barnes, P. Supan, K. McDonald, and K. Jefferson: Sophomore Student Evaluation of the “WAVE ONE” Technique in Preclinical Endodontics, ASDA Annual Session, Anaheim, California, **February 28, 2014**.
30. R. Block, F.M. Barnes, K. Jefferson, S. Daphnis, and A. Whitehead: *Determining the Effects of Socratic Method Teaching Design in Pre-Clinical Endodontics*, Hinman Student Research Symposium, Memphis, TN, **October 25-27, 2013**.
31. E. Sainvil, R. Block, P. Supan: *Comparison of Four Readability Indices to Analyze Informed Consent Documents*, Abstract #2, Hinman Student Research Symposium, Memphis, TN, **October 25-27, 2013**.
32. R. Block, F. Barnes, P. Supan, K. McDonald, and K. Jefferson: Sophomore Student Evaluation of the “WAVE ONE” Technique in Preclinical Endodontics, Abstract #11, Hinman Student Research Symposium, Memphis, TN, **October 25-27, 2013**.
33. F.M. Barnes, A. Adkins, R. Block, S. Daphnis, and A. Whitehead: *Enhancing Dental Education with Smartphones and Tablet Apps*, Abstract #5, Hinman Student Research Symposium, Memphis, TN, **October 25-27, 2013**.
34. Fatima Barnes, EDD, MPH, MSIS; Philip Walker, MLIS; Christyne Douglas, MLIS; and Amelia Whitehead, MLS. *The Art of Information: Design, Deliver, Display*. SC/MLA Conference, Ridgeland, Mississippi, **October 17-20, 2013**.
35. Fatima Mncube-Barnes, EDD, MPH, Anthony Adkins, B.S., Robert Block, DDS, Stephan Daphnis, B.S., and Amelia Whitehead, MLS. *Enhancing Dental Education with Smartphones and Tablet Apps*. World Library and Information Congress: 79<sup>th</sup> IFLA General Conference and Council, **17-23 August 2013, Singapore**.
36. F.M. Mncube-Barnes, and Batts, D. *Review of Literature on Chickering and Gamson’s Seven Principles of Good Practice in Undergraduate Education: Has Teaching with Technologies Improved Since 1987?* HUIC Proceedings, Hawaii, **June 2013**.
37. F.M. Barnes, A. Adkins, R. Block, S. Daphnis, and A. Whitehead. *Can Smartphones and Tablets be used as Meaningful Tools to Enrich Dental Education?* HUIC Proceedings, Hawaii, **June 2013**.
38. F.M. Barnes, A. Adkins, R. Block, S. Daphnis, and A. Whitehead: *Can Smartphones and Tablets be used as Meaningful Tools to Enrich Dental Education?* ADEA, Seattle, Washington, **March 2013**.
39. R. Block, F.M. Barnes, K. Jefferson, S. Daphnis, and A. Whitehead: *Determining the Effects of Socratic Method Teaching Design in Pre-Clinical Endodontics*. ADEA, Seattle, Washington, **March 2013**.
40. Fatima M. Mncube-Barnes, Ed.D, MPH; Don Dryden, ML; Amelia Whitehead, MLS. *If you design it right, they will come: Leveraging innovation in information access*. SC/MLA **10/2011**, Augusta, GA.
41. Fatima M. Mncube-Barnes, Ed.D, MPH; Savi Ranganathan, MLIS; Amelia Whitehead, MLS. *Mobile Technology Promotion with Internal Medicine Faculty & Residents*. SC/MLA **10/2011**. Augusta, GA.
42. Fatima Mncube-Barnes, Ed.D, MPH; Christyne Douglas, MLIS; Amelia Whitehead, MLS. *Bridging Cultures through Institutional Historical Treasures*. SC/MLA, Augusta, GA, **10/2011**.

43. Justin Young, Cleo Carter, Fatima Mncube-Barnes, Olufemi Adegoke, Regina Offodile, Adedeji Onayade, Jemimah Oduma, Joan Smith, and Dana Marshall. *Delineation of lifestyle and genetic risk factors for breast cancer in women of diverse genetic backgrounds: African aspect of the study*. AACR Meeting Abstracts, **Nov 2007**, A19.

## **Grant Support**

1. Collaborated with the Office of Institutional Advancement and the Office of Information Technologies to promote and improve technology-related services and programs, used for grant-proposals and fund-raising activities.
2. The National Library of Medicine (NLM) Environmental Health Partnership Evaluation Assessment. (5,000), 2015.
3. Robert Wood Johnson Foundation – 2015-2016 Center for Health Policy MINI Grant: Establishing an Online Health Policy Certificate Collaboration Proposal between Meharry Medical College and Florida International University (\$20,000).
4. Spring 2014 Workshop: National Network of Libraries of Medicine (NN/LM) grant to support the Tennessee Health Science Library (TheSLA), Murfreesboro, TN. (\$1,000)
5. Fall 2014 Workshop: National Network of Libraries of Medicine (NN/LM) grant to support the Tennessee Health Science Library (TheSLA), Nashville, TN. (\$1,000).