

UNIVERSITY OF ARKANSAS FOR MEDICAL SCIENCES
GRADUATE FACULTY APPLICATION

1. Name: Thomas Powell, MD, MS
2. UAMS Graduate Program Sponsor: Biomedical Informatics (BMIG) Major field: Clinical Informatics
3. Present UAMS academic title or administrative position: Assistant Professor
- Date appointed this rank/position: 03/2018 Employed by: UAMS

4. **Comments of Department Chair/Head or Program Director including: evidence of scholarly development, effectiveness as a teacher, quality of publications and reallocation of duties if this application is approved.**

Dr. Powell serves on the department's curriculum committee and is the track director for the clinical informatics component of our curriculum. We will also be teaching classes in that curriculum. His experience and expertise are essential to the success of our academic program.

Fred Piro

5/8/18

Department Chair/Head or Program Director Date Graduate Council Representative

I have read the comments of my Department Chair/Head or Program Director and I do, do not (circle one) wish to supply additional information in support of my application.

TP 05/08/2018
Applicant's Signature Date

Approvals

M. MacNial 5/17/18
Chair, Graduate Faculty Committee Date

M. MacNial 5/17/18
Chair, Graduate Council Date

K. B. ... 5-17-2018
Dean of the Graduate School Date

INSTRUCTIONS FOR COMPLETION OF THE COMPUTERIZED FORM FOR APPLICATION TO THE UAMS GRADUATE FACULTY

1. Please read the form carefully and answer all questions. The form begins on the next page.
2. The form has been designed with fields for your responses, and these are indicated in blue and gray shading. Use the “tab” key to move between fields. The form will automatically expand to accommodate your entries. IF YOU NEED HELP IN ANY OF THE FIELDS, PRESS THE F1 KEY AND A HELP WINDOW WILL OPEN.
3. When you have completed the form, save it as a document on your own disk for future reference.
4. Print the document, and then obtain the appropriate signatures before submitting the form to the Graduate Office.

5. List your planned involvement in graduate education (courses, theses, dissertations):

I serve as the Track Director for the Clinical Informatics Track. This includes overseeing the development and management of the graduate certificate, master's, and PhD programs. I will also be advising students according to their plans of study, teach courses, and serve on theses and dissertation committees.

6. Briefly summarize your experience in graduate-level classroom teaching:

At Duke, University of Miami, Miami Children's Hospital, and here at UAMS I have numerous speaking engagements to graduate level and graduates teaching about medical, anesthesiology, and informatics topics. At Duke and University of Miami, I taught multiple lectures to graduate and medical students called an introduction to medical informatics. I lectured to graduate students in informatics about medical methods, and I trained Anesthesiology medical residents, also providing a number of classroom lectures around perioperative medicine and FDA drug/supplement approval.

7. Briefly summarize your experience in research and student research mentoring:

At Duke and University of Miami, I engaged in a number of research projects that led to publication, speaking, and poster presentations. I involved graduate students in informatics and medical residents in many of these projects mentoring them on process, statistical analysis, and analytics.

8. **Attach Curriculum Vita** showing educational background (including institutions attended, degrees awarded and dates), honors or awards received, scholarly or professional organization affiliations, teaching experience (give school, dates and advanced and graduate subjects taught), including student theses and/or dissertations supervised. Cite publications and research in progress.

Curriculum Vitae:

Thomas Edward Powell, MD MS

Address: 161 Courts Lane • Little Rock, AR 72223
Phone: 501-821-0940 • E-Mail: cooltpmd@yahoo.com

Professional Profile

- Medical and Executive Officer of Arkansas Office of Health Information Technology (OHIT) and Arkansas State Health Alliance for Records Exchange (SHARE) HIE.
- Clinical Tract Lead and Assistant Professor of Biomedical Informatics at the University of Arkansas for Medical Sciences (UAMS).
- A decade of CMIO experience, having implemented and optimized the full libraries of Epic and Cerner clinical systems.
- 16+ years of career experience in applied healthcare informatics in academic/non-profit and for-profit settings.
- Extensive Data Warehousing Experience.
- One of the original NIH/NLM Clinical Informatics Fellows, resulting in a M.S. Biomedical Engineering Degree.
- Clinical practice experience in Medicine (Anesthesiology) and Allied Health (Physical Therapy).
- Extensive education and experience in Healthcare, Informatics, and Analytics.

Education

Executive Leadership Certification

- Xavier University Leading With Purpose Certificate Program
Little Rock, Arkansas
January, 2016 – June 2016
- Cleveland Clinic Executive Visitors Program
Cleveland, Ohio
September 2014

M.S. Duke University
Durham, North Carolina
Major: Biomedical Engineering (Clinical Informatics)
January, 2000 – December, 2001

M.D. University of Texas Health Science Center at San Antonio
San Antonio, Texas
August, 1991 – May, 1995

B.S. University of South Alabama
Mobile, Alabama
Major: Physical Therapy
September, 1984 – June, 1987

University of Alabama
Tuscaloosa, Alabama
Major: Pre-Medical, Pre-Physical Therapy
January, 1983 – June, 1984

Current Employment

- **Medical and Executive Officer of Arkansas Office of Health Information Technology (OHIT) and Arkansas State Health Alliance for Records Exchange (SHARE) HIE (Little Rock, AR)**

Dates of Employment: March, 2018 -

Duties: **Medical and Executive Officer of OHIT and SHARE**

Achievements:

- Developed payer and provider user groups and governance structure.
- Performed technical, personnel, financial, and process evaluation of the Arkansas State Health Alliance for Records Exchange (SHARE).

Responsibilities:

- Report to the Director of the Arkansas Department of Health.
- Technical, administrative, and financial evaluation, strategy, and alignment.
- Achieve independent financial model for the Arkansas State Health Alliance for Records Exchange (SHARE).
- Service, product, and process recovery for existing clients.
- Expand user group, governance, and state participation in SHARE.

University of Arkansas for Medical Sciences – UAMS (Little Rock, AR)

Dates of Employment: October, 2017 -

Duties: **Clinical Informatics Track Lead and Assistant Professor of Biomedical Informatics**

Achievements:

- Helped develop a Clinical Informatics Tract with certificate, Thesis based Master's degree, Professional Master's Degree, and PhD programs. Help develop course curriculum, objectives.
- Developed a Clinical Informatics fellowship training program.

Responsibilities:

- Report to the Chair of Biomedical Informatics.
- Develop and maintain Clinical Informatics tract curriculum

and goals in alignment with standards to achieve state academic accreditation and AMIA accreditation.

- Recruit training and research faculty to the Clinical Informatics tract.
- Recruit and mentor students training in the Clinical Informatics tract.
- Teach key portions of Clinical Informatics tract courses.
- Direct and participate in independent and collaborative Biomedical informatics research activities.

Past Employment Experience

University of Arkansas for Medical Sciences – UAMS (Little Rock, AR)

Dates of Employment: May, 2013 – October, 2017

Duties: Chief Medical Information Officer (CMIO) and Associate Vice Chancellor for the Integrated Clinical Enterprise

Achievements:

- Led the implementation, stabilization, optimization, training, and change management efforts that transitioned the Hospital and its Ambulatory sites from an old version of Allscripts/Sunrise (inpatient) and GE Centricity (ambulatory) to the Epic EMR across all the 43 primary care and subspecialty groups in their inpatient and ambulatory environments.
- Successfully implemented Epicare Inpatient (inpatient), Epicare Ambulatory (ambulatory), Epic ASAP (ED), Optime (OR, procedural suites), Anesthesia, Beacon (oncology and bone marrow transplant), Beaker (integrated laboratory/pathology), Radiant (RIS), Willow (inpatient/outpatient pharmacy), ICU, Kaleidoscope (ophthalmology), Stork (OB/L&D), Haiku/Canto (mobile), Cadence (enterprise scheduling), Resolute (enterprise HB/PB), Healthy Planet (population health), Phoenix (transplant).
- Created and led the first budgeted Division of Analytics at UAMS, successfully delivering critical data & analytics to improve patient safety, cost containment, patient satisfaction, and clinical usability. Also implemented first-ever population health analytic tools. Configured Qlik for distributed analytics to our C-suite and Service Line leadership.

- Created and led the first budgeted Division of Informatics at UAMS, successfully delivering critical clinical system optimization and transformation to support and improve patient safety, cost containment, patient satisfaction, and clinical usability.
- Assumed leadership of enterprise data warehouse governance team and improved delivery of data to enterprise research efforts.
- Led successful enterprise wide optimization effort to improve usability and clinician satisfaction with the Epic EHR.
- Created first-ever operationally guided governance structure for technology initiatives that brought together clinical, operational, compliance, and revenue cycle leadership to guide technologic effectiveness and transformation.
- Transformed Clinical IT delivery and implemented tight project management and budgeting methodologies to support timely project delivery and detailed oversight of project teams and budget.
- Participated in strategic planning of data sharing and analytics around a newly formed ACO and to meet MIPS reporting obligations.

Responsibilities:

- Report to the Vice Chancellor and CEO of the clinical enterprise. I manage the operational, clinical, and technical staff and strategy surrounding the ongoing transformation and optimization of key enterprise workflows, system usability, and clinical processes.
- Entrusted with the key strategies surrounding clinical ordering/CPOE, clinical documentation, and clinical decision support.
- Clinical and Operations Liaison to key organizational stakeholders for Health Information Technology and Clinical transformation initiatives.
- Lead the ongoing optimization of the front-end enterprise data collection within the EMR, Business Systems, Genomic and Research tools, and the Data Warehouse.
- Entrusted with the enterprise-wide operational informatics and analytics strategy.
- Lead the informatics/analytics teams, which are entrusted

with the strategic guidance of the organization in its quality, safety, usability, financial, process improvement, research, and transformational goals.

Chair the UAMS Physician Advisory Council (PAC), Operational Technical Advisory Council (OTAC), and Clinical System Project Steering Committee. Participate in the Hospital Medical Board, Clinical Executive Leadership Council, Patient Safety Council, Inspection Readiness Council, Clinical Transformation Committee, and Medical Records Committee

Miami Children's Hospital (Miami, FL)

Dates of Employment: May, 2010 – April, 2013

Duties: Chief Medical Information Officer, Chief Informatics/Analytics Officer

Achievements:

- Successfully led the implementation, stabilization, optimization, training, and change management efforts that transitioned the Hospital and its Ambulatory sites from paper to the Cerner EMR across 38 pediatric subspecialties.
- Led administrative, IT, and clinical decision making for the project, which successfully implemented Cerner Millennium Powerchart (inpatient), Powerchart Office (ambulatory), Firstnet (ED, urgent care), Surginet (OR, procedural suites), Anesthesia, PC Oncology (oncology and bone marrow transplant), PC Cardiology (cardiology devices & procedures), and Radnet (RIS & PACS). I also assisted our non-owned practices with their Cerner Powerworks (ambulatory) installations.
- Led successful enterprise wide optimization effort to improve usability and clinician satisfaction with the Cerner EHR.
- Distributed key clinical data and decision support to the point of care to improve clinical safety, quality, and compliance with standards.

Responsibilities:

- Reported to the CIO. I managed the operational, clinical, and technical staff and strategy surrounding the ongoing transformation and optimization of key enterprise workflows, system usability, and clinical processes.
- The clinical and informatics lead of the MCH core initiative

that moved the institution from historical paper and disparate electronic processes to a unified paperless EMR strategy within the Cerner Millennium library of products.

- Served as the bridge and liaison between the MCH IT Department, medical staff, Administration, and technology vendors. I chaired the MCH physician advisory group (PAG) and was an active participant in the MCH evidence based medicine and clinical advisory groups (CAG) to coordinate processes, communication, language, and clinical buy-in.
- Worked in partnership with physicians, nursing, allied health, risk management, performance improvement, and revenue cycle departments to optimize the “meaningful” use of clinical IT across the enterprise to improve patient safety, clinical quality, clinical coding, and reimbursement.
- Entrusted with developing and implementing the first ever MCH enterprise informatics and analytics strategy.
- Led the enterprise data warehouse governance team and improved delivery of data to enterprise research efforts.

University of Miami/Jackson Memorial Hospital (Miami, FL)

Dates of Employment: March, 2002 – May, 2010

Duties: Director of Anesthesia Informatics, Assistant Professor of Anesthesiology and Assistant Medical Director of Perioperative Medicine, University of Miami HIPAA Liaison

Achievements:

- Successful UM/JMH reimplementation, stabilization, optimization, training, and change management efforts that transitioned the largest Anesthesiology residency program in the United States from beta version of PICIS to updated enterprise wide resource.
- Led successful optimization effort to improve usability and clinician satisfaction with the PICIS.
- Delivered actionable data from AIMS to support Anesthesiology analytics and process improvement.
- Provided clinical physician services in the perioperative medical management of all surgical patients at JMH.
- Coordinated care between anesthesiology, multiple surgical/procedural and transplant services, as well as medical consultants.
- Supervised nurse practitioners and actively trained

anesthesiology residents, while co-directing the administrative aspects of JMH perioperative services.

- Directed and implemented the Anesthesiology department's HIPAA compliance strategy. Acted as the privacy and security liaison between the University, JMH, and the department.

Responsibilities:

- Directed the department's EMR, technology, and data management strategy for all administrative, clinical, educational, and research functions. This included managing an IT and database group.
- Managed the department's technology implementations including anesthesia information management systems (AIMS), web site presence, web/video conferencing, mobile devices, and PC to unify processes across all academic and clinical sites.
- Coordinated the reimplementation, optimization, training, and change management necessary for PICIS, a multi-hospital anesthesia information management system (AIMS) for the largest anesthesia residency program in the United States.
- Served as the clinical subject matter expert (SME) for the department of anesthesiology during the implementation of Cerner at JMH.
- Managed the group responsible for ongoing clinical analytics and was entrusted with the reporting strategies that were used to measure and optimize clinical usability, AIMS compliance, as well as workflow and process improvement.
- Clinically evaluate every patient scheduled for surgery to assure optimal perioperative workup, communication, and care.

Fellowship Hall Hospital (Greensboro, NC)

Dates of Employment: April, 2001 – February, 2002

Duties: Staff Physician

Achievements:

- Provided Staff Physician Services

Self-Employed Locum Tenens - Physician (Durham, NC)

Dates of Employment: April, 1998 – April, 2000

Duties: Contract Physician

Achievements:

- Provided Contract Physician Services

PGY-2, 3 Anesthesia Department, Duke University (Durham, NC)

Dates of Employment: July, 1996 – December, 1997

Duties: Resident

Achievements:

- Provided Resident Physician Services

PGY-1 House Obstetrics & Gynecology Department, PGY-1 House Obstetrics & Gynecology Department

Dates of Employment: July 1995 - June 1996

Duties: Resident

Achievements:

- Provided Resident Physician Services

Self-Employed Locum Tenens Physical Therapy (San Antonio, TX)

Dates of Employment: Sept 1989 - Jan 1992

Duties: Staff Physical Therapist

Achievements:

- Provided Contract Physical Therapy Services
- Ran successful independent business

HealthSouth Rehabilitation (San Antonio, TX)

Dates of Employment: Aug 1988 - Sept 1989

Duties: Physical Therapist

Achievements:

- Provided Physical Therapy Services
- Spine certification (Stanley Paris)

Druid City Hospital (Tuscaloosa, AL)

Dates of Employment: Jul 1987- Aug 1988

Duties: Staff Physical Therapist

Physical Therapist

Achievements:

- Provided Physical Therapy Services

Academic Appointments

- **University of Arkansas for Medical Sciences – UAMS (Little Rock, AR)**
Dates of Appointment: May, 2013 – Present
Duties: Assistant Professor of Biomedical Informatics and Clinical Informatics Tract Lead
- **University of Miami/Jackson Memorial Hospital (Miami, FL)**
Dates of Appointment: March, 2002 – May, 2010
Duties: Assistant Professor of Anesthesiology
- **Duke University Medical Center (Durham, NC)**
Dates of Appointment: June, 2000 – February, 2002
Duties: Researcher, Medical Informatics
- **UTHSCSA School of Physical Therapy (San Antonio, TX)**
Dates of Appointment: April, 1991 – June, 1993
Duties: Physical Therapy clinical faculty and instructor of anatomy
- **University of Alabama (Tuscaloosa, AL)**
Dates of Appointment: August, 1987 – August, 1988
Duties: Physical Therapy clinical faculty

Ongoing Grant & Research Support

- R44MH114725 NAIK, S.V. (PI) NIH-NIMH 01/01/18 – 04/30/19
Implementing an Innovative Suite of Mobile Applications for Depression and Anxiety
There has been considerable excitement about the potential for technology to help overcome many of the access barriers to treatment for mental health problems. Attempts to implement and sustain these tools in care and service settings has proven challenging. We are optimizing IntelliCare, a suite of mobile apps for patients with depression and anxiety for implementation in an integrated primary care setting and conduct an effectiveness trial comparing the use of the mobile app suite to treatment as usual in a large integrated primary care clinic. The research also assesses cost effectiveness, as well as their usability for patients, providers and administrators. **Role:** Sub-award Co-investigator
- U54 TR001629 James, L (PI) NIH-NCATS 09/26/17 – 09/25/18

Expanding Translational Research in Arkansas

The Clinical and Translational Award (CTSA) to the University of Arkansas for Medical Sciences has as its primary goal to increase and expedite clinical and translational research in the state of Arkansas and in rural settings in general. This award funds infrastructure at UAMS and Arkansas Children's Hospital to support the full spectrum of clinical and translational research. **Role:** Clinical Informatics operational oversight

- o Medical Research Endow. AWD00052530 (M.N. Zozus) 01/01/18-12/31/18
MRE-UAMS

Assessment of Record Linkage Error on Safety Events

With sharing and reuse of patients and data between institutions, record linkage in healthcare is a growing concern. This research characterizes record linkage errors and quantifies their association with near misses and clinical safety events in the University of Arkansas for Medical Sciences health system. This study is an important early exploration into and characterization of linkage quality and harm resulting from record linkage errors in healthcare. **Role:** Co-Investigator

- o FC1409-22573 Zozus, M.N. (PI) PCORI 07/01/15 – 06/30/18

Measuring and Talking to Patients about the Accuracy of Data used in Patient Outcomes Research

This research is the largest study to date on the quality of EHR data and is conducted to identify and characterize discrepancies in electronic health record (EHR) and self-reported medical conditions, procedures, hospitalizations and medications. The discrepancies are provided to patients and followed to assess the proportion reported to healthcare facilities and the proportion of reported discrepancies that result in a change to the health record or impact guideline-based clinical decision-making. Lastly, algorithms using both EHR and self-reported data are explored to identify those that outperform either data source alone. **Role:** Co-Investigator

Completed Grant & Research Support

- o 664192 Powell (PI) 10/01/2012-10/01/2013
Roche Pharmaceuticals: Development of Clinical Decision

Support Tools to Support Identification and Care of Post-Operative Nausea and Vomiting (PONV)

This grant was established for initial exploration of the role of mobile technology in presenting evidence based algorithms surrounding PONV to clinicians at the point of care. The grant facilitated tool creation, evaluation, and validation surrounding effectiveness for the assessing PONV risk and guidance of evidence based therapeutic options. We explored the successful creation of an interactive PONV guideline for the evaluation and therapeutic intervention named Mobile Interactive PONV Evaluation (MIPE). The guideline creation, technical interactive tool creation, and impact were explored.

Role: PI

- LM-007-071 · Downs (PI)

07/01/1999-01/15/2001

Duke-UNC Training Program in Medical Informatics

This grant was established to facilitate the post-doctoral training of physicians in Medical/Clinical informatics. The grant supported training leading to a thesis based master's degree in Biomedical Engineering/Medical Informatics. The national goal was to produce a competence in technology, data analysis, and computer based tools within the medical community to support the growing complexity of medical practice, worsening patient safety, and data needs within medical research.

Role: Trainee

Research Posters & Abstracts

- Poster: Identifying the Mature Skillset for the Clinical Informatics Workforce in Healthcare. Accepted as Poster presentation at AMIA 2018 Clinical Informatics Conference – Phoenix, AZ
- Scientific Abstract: Tracking OR Drug Utilization with Automated Dispensing and Information Systems: A Time for Integration and Interaction. Accepted as Poster Presentation at European Society of Clinical Pharmacy Annual Symposium – Amsterdam.

May, 2018

October, 2005

- Scientific Abstract: Tracking OR Drug Utilization with Automated Dispensing and Information Systems: A Time for Integration and Interaction. Presented as Poster Presentation at American Society of Anesthesiology National Meeting – Atlanta. October, 2005
- Scientific Abstract: Using Probabilistic Decision Trees and Data-mining methods of Intra-operative Medical Records to Detect and Predict Adverse Events. Presented as Poster Presentation at American Society of Anesthesiology National Meeting – New Orleans. October, 2005
- Scientific Abstract: Using Probabilistic Decision Trees and Data-mining methods of Intra-operative Medical Records to Detect and Predict Adverse Events. Presented at International Anesthesia Research Society (IARS) national meeting– Honolulu. March, 2005
- Scientific Abstract: A Classification System for Electronically Extracted Adverse Events in Anesthesia. Presented at American Society of Anesthesia (ASA) national meeting– Las Vegas. October, 2004
- Scientific Abstract: Merging Man and Machine in Anesthesia Quality Assurance. Presented at American Society of Anesthesia (ASA) national meeting – Las Vegas. October, 2004
- Scientific Abstract: Adverse Event Reporting Failures, Fear May Not Be the Barrier. Presented at American Society of Anesthesia (ASA) national meeting– Las Vegas. October, 2004
- Poster: “Online Clinical Guidelines for Triage Management.” Poster presented at Duke-UNC Research Night. June 15, 2000. Advisor: David Lobach, MD (Director, Duke University Medical Informatics Program). June, 2000
- Poster: “A Case of Neurologic Deterioration under Continuous Spinal Anesthesia in a Parturient.” Duke University Medical Center Anesthesiology Academic Evening. April 30, 1997. Advisor: Donald Penning, MD (Director of Duke University Women’s Anesthesia). April, 1997

Research Publications/Presentations

- Presentation: June, 2018
Thomas Powell. Developing the 21st Century Clinical Informatics Workforce with

Reliable and Sustainable Competencies (A Case Report). Presented at AMIA 2018 informatics Educators Forum, New Orleans, LA.

- Presentation: May, 2018
Thomas Powell, Kat Donovan. Verbal Orders: Root Cause Analysis of Co-signature Authentication Timeframes. Presented at AMIA 2018 Clinical Informatics Forum, Phoenix, AZ.
- Publication: October
2017
Thomas Powell, Melody Penning, Meredith Nahm Zozus. Information Governance in an Academic Medical Center: a Case Study. MIT IQ Conference proceedings (<https://drive.google.com/open?id=0B81NXHLVoIS3MUwtVkrMYYos1TEU>)
- Publication: October,
2005
Cooper L, Hitchen K, Powell T, Gallagher C, Barron M, Automated anesthesia medication dispensing systems do not hinder emergency or cardiac medication access or delay patient therapy in emergency situations. *Pharmacy World and Science*, V 27, No. 5 p A 51, October 2005.
- Presentation: 2001
Powell, Thomas Edward. Developing data quality and usability in a perioperative data collection tool when no pre-existing system is in place. Dept. of Biomedical Engineering, Thesis (M.S.)--Duke University, 2001 M.S. P886D 2001. (*Abstract presented in Appendix II*).
- Master's Thesis: 2000-2001
Developing data quality and usability in a perioperative data collection tool when no pre-existing system is in place. Duke University Department of Biomedical Engineering.
Thesis Advisor: William Edward Hammond, Ph. D. (Professor Emeritus, Duke University Medical Informatics Program; Past President of American Medical Informatics Association; Past Chairman of Health Level 7 standards group; and current member of Committee on Data Standards for Patient Safety).
- Presentation:
"A comparison of Cervical Discography, Cervical MRI, and Surgical Outcomes." Presented at North American Spine Society Annual Meeting, Oct. 15, 1993. Advisor: M. David Dennis, MD (Orthopedic Surgeon, South Texas Spinal Clinic).

Teaching Experience

- *Clinical Informatics Board Review Course Training Course* September 2016
Preparation for UAMS physician faculty qualified to take the certification exam in clinical informatics (Health Information Systems, Project Management, and Strategic Planning).

- Clinical Residency Training of Anesthesiology Residents in *Perioperative Medicine*. March, 2002 – May, 2010
- *Informatics and Patient Safety*, given to MS-2 class, as part of new Safety curriculum. January, 2005
- *Introduction to Clinical Informatics*, given to MS-1 class, as part of new Informatics curriculum. January, 2005

Invited Speaking Engagements

- Invited Speaker: ARHIMA 2018 “The State and Prognosis for Clinical Informatics in Arkansas” April, 2018
- Invited Speaker: MIT ICIQ 2017 “Information Governance in an Academic Medical Center: A Case Study” October, 2017
- Guest Speaker: “Clinical Information Systems and the Informatics Cycle” February, 2017
- Guest Speaker: ArHIMA/ArHIMSS Annual Conference, Little Rock, “State of Clinical Informatics, Analytics, and the Information Cycle” April, 2016
- Guest Lecturer: University of Arkansas Little Rock “Operational and Clinical Analytics” March, 2016
- Invited Speaker: UAMS Medicine Grand Rounds “EMR and the Data Cycle” March, 2014
- Invited Speaker: Miami Children’s Hospital Grand Rounds: “EMR, and Meaningful Use in Clinical Practice” August, 2010
- Invited Speaker: Puerto Rican Society of Anesthesiology Annual Meeting: “*Information Systems in Anesthesiology*” (San Juan, PR) May, 2008
- Invited Speaker: Jackson Memorial Hospital Annual ARNP Education Forum: “*Herbal Supplements and Drug Interactions*” (Miami, FL) November, 2005
- University of Miami Department of Anesthesiology CA-1 Safety lecture: “*Informatics and Patient Safety*” (May 17, 2005 Miami, FL) May, 2005
- 2005 Medical Student Convention: “*Technology in Medicine*” (February 25, 2005 Miami, FL) February, 2005
- University of Miami Medical School MS-1 lecture: “Introduction to Clinical Informatics” (January 20, 2005 Miami, FL) January, 2005
- University of Miami Medical School MS-2 Patient Safety lecture: “*Informatics and Patient Safety*” (January 19, 2005 Miami, FL) January, 2005
- PICIS® User’s Group: “*Analyzing Anesthesia Data*” (June 9-10, 2004 Boston, MA) June, 2004
- University of Miami Department of Anesthesia Grand Rounds: May, 2002

"Informatics and Anesthesia Information Systems" (May 30, 2002
Miami, FL)

Certifications & Licensure

- North Carolina Medical License #: 98-00439 Oct, 1999 - present
- Florida Medical Licensure #: ME95117 April 2002 - present
- UPIN #: G91957

Affiliations/Memberships

- Healthcare Information and Management Systems Society (HIMSS) February, 2004 – present
- American Medical Informatics Association (AMIA) January, 2000 – present
- College of Healthcare Information Management Executives (CHIME) January, 2015 - present

Extracurricular Interests

- Golf, Tennis, Organized Sports, SCUBA diving, Music, and Travel

References

- Excellent references available upon request

