

## **CURRICULUM VITAE**

Date: September 1, 2019

### **I. PERSONAL**

Name: Arif M. Rana

Citizenship: United States Citizen

Telephone (Personal): +1-607-743-0551

Telephone (Work): +1-954-262-1619

Home Address: 8900 Jacaranda Lane  
Plantation, FL 33324

Work Address: Nova Southeastern University  
Dr. Kiran C. Patel College of Osteopathic Medicine  
Department of Health Informatics  
Terry-1213  
3200 S. University Drive  
Fort Lauderdale, FL 33328

Email (Work): arif.rana@nova.edu

Email (Personal): amrana@gmail.com

Website: <http://nsu.nova.edu/~ar1454>

Languages: Arabic, English, Hindi, Punjabi, Urdu

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**II. HONORS AND AWARDS**

- 9/22/2018 Marie Morris Leadership Award, International Health Initiatives  
6/2018 Best Research-in-Progress Paper Award, International Institute for Applied Knowledge Management  
5/17/2018 Medical Education Golden Apple Award, Nova Southeastern University  
5/17/2017 Medical Education Golden Apple Award, Nova Southeastern University  
5/6/2017 Marie Morris Mentorship Award, International Health Initiatives  
5/14/2015 Master of Public Health Program Service Award, Nova Southeastern University  
10/21/2014 External Funding Recognition Award, Nova Southeastern University  
8/9/2014 Meritorious Service Award, International Health Initiatives  
10/16/2013 External Funding Recognition Award, Nova Southeastern University  
7/2013 CAE Healthcare Video Award (awarded to Medical Education Department)  
5/2013 Biomedical Informatics Golden Apple Award, Nova Southeastern University  
2009 Teaching Excellence Award, Rutgers University  
2006 Kappa Delta Pi (Education Honor Society), Rutgers University  
2005 Samuel DeWitt Proctor Fellowship, Rutgers University  
2004-2005 Foundation Scholarship, Rutgers University  
2000 Academic Excellence Award, Rutgers University  
1996 Phi Sigma Iota (Foreign Language Honor Society), Rutgers University  
1993-1996 Dean's List  
1991 Osborne Scholarship  
1990 U.S. Bronze Congressional Award

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**III. HIGHER EDUCATION**

**Institutional:**

|          |   |            |
|----------|---|------------|
| May 2019 | <b>Master of Arts (M.A.)</b><br>Gerontology<br>Nova Southeastern University, Fort Lauderdale, FL  | GPA: 4.000 |
| May 2016 | <b>Master of Public Health (M.P.H.)</b><br>Public Health<br>Nova Southeastern University, Fort Lauderdale, FL                                 | GPA: 3.950 |
| May 2014 | <b>Master of Science (M.S.)</b><br>Medical Education<br>Nova Southeastern University, Fort Lauderdale, FL                                     | GPA: 4.000 |
| May 2013 | <b>Specialist in Education (Ed.S.)</b><br>Language Education<br>Rutgers University, New Brunswick, NJ   | GPA: 3.983 |
| May 2011 | <b>Doctor of Philosophy (Ph.D.)</b><br>Biomedical Informatics<br>Rutgers University, Newark, NJ   | GPA: 3.850 |
| May 2006 | <b>Master of Education (M.Ed.)</b><br>Language Education<br>Rutgers University, New Brunswick, NJ   | GPA: 4.000 |
| May 2000 | <b>Master of Science (M.S.)</b><br>Biomedical Informatics<br>Rutgers University, Newark, NJ<br>New Jersey Institute of Technology, Newark, NJ | GPA: 3.900 |
| May 1997 | <b>Bachelor of Arts (B.A.)</b><br>Biological Sciences (Major), Africana Studies (Minor)<br>Rutgers University, New Brunswick, NJ              | GPA: 3.399 |

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**Extramural Training/Certifications:**

|                   |  |
|-------------------|--|
| 2012 to Present   | Collaborative Institutional Training Initiative (CITI) Certification<br>University of Miami, Miami, FL   |
| February 28, 2012 | Lean Six Sigma Excellence - Green Belt<br>Nova Southeastern University, Fort Lauderdale, FL              |
| August 17, 2011   | Lean Six Sigma Excellence - Yellow Belt<br>Nova Southeastern University, Fort Lauderdale, FL             |
| February 2009     | Certificate of Eligibility with Advanced Standing in ESL<br>Department of Education, State of New Jersey |

**IV. EXPERIENCE**

**Academic:**

|                           |  |
|---------------------------|--|
| July 2017 to Present      | <u>Associate Professor of Biomedical Informatics, Medical Education, and Public Health</u> , Dr. Kiran C. Patel College of Osteopathic Medicine, Nova Southeastern University, Fort Lauderdale, FL |
| July 2017 to Present      | <u>Adjunct Associate Professor of Health Informatics</u> , Department of Health Informatics, Brooks Rehabilitation College of Healthcare Sciences, Jacksonville University, Jacksonville, FL       |
| June 2016 to June 2017    | <u>Adjunct Assistant Professor of Health Informatics</u> , Department of Health Informatics, Brooks Rehabilitation College of Healthcare Sciences, Jacksonville University, Jacksonville, FL       |
| August 2016 to June 2017  | <u>Assistant Professor of Public Health</u> , Public Health Program, College of Osteopathic Medicine, Nova Southeastern University, Fort Lauderdale, FL  |
| October 2012 to June 2017 | <u>Assistant Professor of Medical Education</u> , Department of Medical Education, College of Osteopathic Medicine, Nova Southeastern University, Fort Lauderdale, FL                              |
| April 2011 to June 2017   | <u>Assistant Professor of Biomedical Informatics</u> , Biomedical Informatics Program, College of Osteopathic  |

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Medicine, Nova Southeastern University, Fort  
Lauderdale, FL

Summer 2010

Curriculum Specialist, Summer STARTALK Urdu  
Language Program, University of Pennsylvania,  
Philadelphia, PA

January 2009 to May 2010

Service Learning Consultant, International Programs /  
Study Abroad, Rutgers University, New Brunswick, NJ

July 2007 to January 2011

Academic Advisor, Office of the Dean of Student Affairs,  
Rutgers University, Newark, NJ

September 2005 to December  
2010

Head Instructor and Coordinator, Department of Modern  
Languages, Brookdale Community College, Lincroft, NJ

September 2000 to December  
2000

Graduate Teaching Assistant, Department of Health  
Informatics, University of Medicine and Dentistry of New  
Jersey, Newark, NJ

January 1997 to December 2010

Lecturer and Assistant Coordinator, Department of  
Africana Studies/Center for Middle East Studies, Rutgers  
University, Piscataway, NJ; Department of Classical and  
Modern Languages and Literatures, Rutgers University,  
Newark, NJ

May 1996 to August 1997

Toxicology Researcher, Department of Pharmacology and  
Toxicology, Rutgers University, Piscataway, NJ

**Administrative:**

May 2017 to Present

Department Chair of Health Informatics, Dr. Kiran C.  
Patel College of Osteopathic Medicine, Nova  
Southeastern University, Fort Lauderdale, FL

May 2017 to Present

Director of Biomedical Informatics Program, Dr. Kiran C.  
Patel College of Osteopathic Medicine, Nova  
Southeastern University, Fort Lauderdale, FL

January 2016 to May 2017

Director of Medical Education Program, College of  
Osteopathic Medicine, Nova Southeastern University,  
Fort Lauderdale, FL

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|                                |   |
|--------------------------------|---|
| July 2013 to May 2017          | <u>Director of Faculty Development</u> , College of Osteopathic Medicine, Nova Southeastern University, Fort Lauderdale, FL                 |
| January 2008 to September 2008 | <u>Interim Director</u> , Honors College, Rutgers University, Newark, NJ  |
| May 2006 to August 2007        | <u>Assistant to Director / Senior Program Coordinator</u> , International Programs, Rutgers Business School, Rutgers University, Newark, NJ |
| January 2004 to January 2005   | <u>Help Desk Assistant</u> , Academic Computing Services, University of Medicine and Dentistry of New Jersey, Newark, NJ                    |
| January 2000 to August 2005    | <u>Assistant to Senior Program Coordinator</u> , Language Institute, Rutgers University, New Brunswick, NJ                                  |
| May 1999 to August 1999        | <u>Summer Intern</u> , Research Information Management Department, Novartis Pharmaceuticals, Summit, NJ                                     |

**V. PUBLICATIONS**

**Books:**

Fietz, K., Alsiadi, M. A., & **Rana, A. M.** (2009). *Basic Arabic* (Rev. ed.). Singapore: Berlitz Publishing.

**Manuscripts under review:**

Tewary, S., Jordan, J., **Rana, A.M.**, & Mayi, B. (under review). Academic Advising Using Theoretical Approaches for Struggling Medical Students in Preclinical Years. *The Journal of the American Osteopathic Association*.

**Peer-Reviewed Journals:**

Jacobs, R. J., Iqbal, H., **Rana, A. M.**, Rana, Z., & Kane, M. N. (2017). Predictors of medical students' readiness to utilize health information technology. *Journal of the American Osteopathic Association*, 117, 773-781.

Jacobs, R. J., Kane, M.N., Wallace, E. M., **Rana, A. M.**, Iqbal, & H., Rana, Z. (2016). Factors influencing osteopathic medical students' intent to work with underserved populations:

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implications for curriculum enhancement. *International Journal of Osteopathic Medicine*, 24, 42-47.

AlHazme, R. H., Haque, S. S., Wiggin, H., & **Rana, A. M.** (2016). The impact of health information technologies on quality improvement methodologies' efficiency, throughput and financial outcomes: a retrospective observational study. *BMC Medical Informatics and Decision Making*, 16(1), 154.

Roseman, J. L., & **Rana, A. M.** (2015). How do Medical Students Respond to the Concept of Compassion without Being Cued on its Importance? What is the Role of Compassion in Medicine, Medical Education and Training?. *International Journal of Emergency Mental Health and Human Resilience*, 17(1), 342-344.

Jacobs, R. J., Collias, B. A., **Rana, A. M.**, Wallace, E. M., Kane, M. N., & Boesler, D. R. (2015). Identification of musculoskeletal disorders in medically underserved regions of South America and Vietnam. *The Journal of the American Osteopathic Association*, 115(1), 12-22. [doi:10.7556/jaoa.2015.003]

AlHazme, R. A., **Rana, A. M.**, & De Lucca, M. (2014). Development and Implementation of a Business Intelligence System at Broward Regional Health Planning Council. *International Journal of Public Health Informatics*, 6(2).

**Conference Proceedings:**

Bronsborg, S. E., Wiggin, H. E. & **Rana, A. M.** (2018). Process Improvement in a Graduate Practicum to Create a Favorable Learning Environment for Knowledge Transfer. *Refereed Proceedings of the International Knowledge Management Conference*, June 26, 2018.

Jacobs, R. J., **Rana, A. M.**, Iqbal, H., Rana, Z. (2017). Development of an innovative medical school curriculum to enhance students' readiness to utilize health information technology in future practice. EDULEARN16: 8th annual International Conference on Education and New Learning Technologies.

Jacobs, R. J., Russell, A. C., Kane, M. N., & **Rana, A. M.** (2013). Nursing Students' Attitudes and Intentions Toward Providing Care to the Underserved. *ICERI 2013 Proceedings*, pp. 516-520. [<http://library.iated.org/publications/ICERI2013>]

**Rana, A. M.**, Haque, S. S., & Ahamed, S. V. (2011). Biomedical Informatics Data Modeling of the 911 Call Center at Newark, New Jersey, USA. In *Advances in Parallel Distributed Computing* (pp. 682-691). Springer Berlin Heidelberg.

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**Rana, A. M.** & Ahamed, S. V. (2005). Knowledge Bases from Medical and Hospital Networks. In *Telehealth: Proceedings of the IASTED International Conference*, ACTA Press, Anaheim, CA, pp. 64-68.

**Other Published Works:**

Afable, C. & **Rana, A. M.** (2019). The role of informatics in nursing. *Infuse!* 3(1):9-11.

AlHazme, R. H., **Rana, A. M.**, & Aodah, A. (2014). Serious Arabic meaning, grammatical, and study design flaws in the study “Faxed Arabic Prescriptions: A medication error waiting to happen?”. *International Journal of Medical Informatics*, 83(8):601-603.

Roseman, J. L., **Rana, A. M.** (2013). Honoring the Medicine: Medical Students Create Personal Code of Healing. *InSight 2: Engaging the Health Humanities International Exhibition*.

Voehl, F., **Rana, A. M.**, & Johnson, K. (2013, January). Using Health Information Technology and Lean Six Sigma to Optimize Health Care. *South Florida Hospital News and Healthcare Report*, 9(7), 10.

Lou, J. Q., & **Rana, A. M.** (2012, February). Biomedical Informatics and Its Role in Health Care. *Military Medical/CBRN Technology*, 16, 12-13.

**Rana, A. M.**, Adviser-Haque, S. S., & Adviser-Ahamed, S. V. (2011). A Generic Methodology to Design a Biomedical Informatics Data/Network Model for a 911 Call Center.

**VI. PRESENTATIONS**

**International Presentations:**

Jacobs, R. J., Iqbal, H., **Rana, A.M.**, & Rana, Z. *Development of an innovative medical school curriculum to enhance students’ readiness to utilize health information technology in future practice*. Presentation on July 5, 2016, at EDULEARN16: 8th annual International Conference on Education and New Learning Technologies, Barcelona, Spain.

Tran, A., Le, L., Vallin, C., Montarroyos, S., Cardona, S. Maning, J. Iqbal, H., Rana, Z., Florent-Carre, M., **Rana, A. M.**, Jacobs, R. J. *Perception of personal health and social support in rural Ecuadorians with chronic conditions*. Poster presentation on October 17, 2015 at the 17th Annual Bureau on International Osteopathic Medicine (BIOM) International Seminar held in conjunction with the AOAs Annual Osteopathic Medical Conference & Exposition (OMED) in Orlando, FL.

Maning, J., Cardona, S., Montarroyos, S., Vallin, C., Le, L. Tran, A., Iqbal, A., Rana, Z., Florent-Carre, M., **Rana, A. M.**, & Jacobs, R. J. *Students conducting research during*



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*international medical outreach programs: lessons learned.* Poster presentation on October 17, 2015 at the 17th Annual Bureau on International Osteopathic Medicine (BIOM) International Seminar held in conjunction with the AOAs Annual Osteopathic Medical Conference & Exposition (OMED) in Orlando, FL.

Vallin, C., Cardona, S., Le, L., Maning, J., Montarroyos, S., Tran, A., Iqbal, A., Rana, Z., Florent-Carre, M., **Rana, A. M.**, & Jacobs, R. J. *Health care provision and access to medical care in a sample of rural Ecuadorians with chronic illness.* Poster presentation on October 17, 2015 at the 17th Annual Bureau on International Osteopathic Medicine (BIOM) International Seminar held in conjunction with the AOAs Annual Osteopathic Medical Conference & Exposition (OMED) in Orlando, FL.

Jacobs, R. J., Russell, A. C., Kane, M. N., & **Rana, A. M.** *Nursing students' attitudes and intentions toward providing care to the underserved.* Presentation on November 18, 2013 at the 6th International Conference of Education, Research and Innovation, International Association of Technology, Education, and Development (IATED), Seville, Spain.

**Rana, A. M.** & Haque, S. S. *Quality of healthcare for the 911 call center patients at Newark, New Jersey, USA.* Presentation on November 15, 2011 at the 3<sup>rd</sup> International Conference on Global Trends in Biomedical Informatics, University of Medicine and Dentistry of New Jersey, Newark, NJ.

**Rana, A. M.**, Haque, S. S., & Ahamed, S. V. *Biomedical informatics data modeling of the 911 call center at Newark, New Jersey, USA.* Presentation on September 23, 2011 at the International Conference on Computer Science, Engineering, and Information Technology, Manonmaniam Sundharanar University, Tirunelveli, Tamil Nadu, India.

**Rana, A. M.** & Ahamed, S. V. *Knowledge bases from medical and hospital networks.* Presentation on July 21, 2005 at the International Multi-Conference on Telehealth, International Association of Science and Technology for Development (IASTED), Banff, Alberta, Canada.

**National Presentations:**

Jacobs, R. J., **Rana, A. M.**, Salemi, J., Iqbal, H., & Rana, Z. *Gender disparity in students' health information technology (HIT) readiness: Implications for public health physician education.* Presentation on November 6, 2017. American Public Health Association (APHA) 2017 Annual Meeting & Expo, Atlanta, GA.

Jacobs, R. J., **Rana, A. M.**, Salemi, J., Rana, Z., & Iqbal, H. *Does gender matter in career choice and intent to work with immigrant and underserved communities among students in medicine and public health?* Presentation on November 6, 2017. American Public Health Association (APHA) 2017 Annual Meeting & Expo, Atlanta, GA

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Iqbal, H., Jacobs, R. J., Rana, Z., & **Rana, A. M.** *Factors influencing students' readiness to utilize health information technology in future medical and public health practice.* Presentation on October 29-November 2, 2016, American Public Health Association (APHA) 2016 Annual Meeting & Expo, Denver, CO.

Blavo, C., Kroger, K., & **Rana, A. M.** *Building learning upon IPEC core competencies for collaboration that improves population health.* Presentation on April 29, 2015, Interprofessional Education Collaborative, Faculty Development Institute, Herndon, VA.

Florent-Carre, M., Blavo, C., St. Hilaire, M., Jean-Baptiste, J., Haliwa, I., & **Rana, A. M.** *Hurricane preparedness for youth in Haiti, a FAST approach.* Presentation on April 14, 2015, Preparedness Summit 2015, Atlanta, GA.

**Rana, A. M.** *Compliance: meeting and exceeding the standards. Best practices for standard domain four, faculty development program at Nova Southeastern University College of Osteopathic Medicine, Fort Lauderdale, Florida.* Presentation on April 2, 2014, Committee on College Accreditation Training, Accreditation Training Workshop for Colleges of Osteopathic Medicine, Washington DC.

**Regional Presentations:**

**Rana, A. M.** & Jordan, Jennifer. *Academic Wellness (Prioritization).* Presentation on September 23, 2016, Nova Southeastern University, College of Osteopathic Medicine, Fort Lauderdale, FL.

**Rana, A. M.** & Jordan, Jennifer. *Academic Wellness (Memorization).* Presentation on September 9, 2016, Nova Southeastern University, College of Osteopathic Medicine, Fort Lauderdale, FL.

**Rana, A. M.** *Resources and technology tools for NSU-COM M1 students.* Presentation on August 1, 2016, Nova Southeastern University, College of Osteopathic Medicine, Fort Lauderdale, FL.

Jacobs, R. J., Florent-Carre, M., **Rana, A. M.**, Iqbal, H., Rana, Z. *Risk and resilience regarding medication adherence in a multiethnic sample of older persons with multimorbid chronic conditions.* Presentation on February 25-26, 2016, at the Ninth Annual Interprofessional Geriatrics Training Institute "The Art of Successful Aging", Nova Southeastern University, Fort Lauderdale, FL.

Rana, Z., Iqbal, H., **Rana, A. M.**, & Jacobs, R. J. *The association between osteopathic medical students' sex, professional career choice, and intent to work with underserved patients.* Presentation on February 17-21, 2016 at the 113th Annual FOMA Convention, Bonaventure Resort and Spa, Weston, FL.

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Iqbal, H., Rana, Z., **Rana, A. M.**, & Jacobs, R. J. *Osteopathic medical students' attitudes toward health information technology utilization in medical practice.* Presentation on February 17-21, 2016 at the 113th Annual FOMA Convention, Bonaventure Resort and Spa, Weston, FL.

Rana, Z., Iqbal, H., **Rana, A. M.**, & Jacobs, R. J. *The association between sex and professional career aspirations and first-year osteopathic medical students' intent to work with underserved patients.* Presentation on February 12, 2016, at the Fifth Nova Southeastern University's Health Professions Division Research Day (HPD Research Day), Nova Southeastern University, Fort Lauderdale, FL.

Iqbal, H., Rana, Z., **Rana, A. M.**, & Jacobs, R. J. *Factors associated with osteopathic medical students' readiness to utilize health information technology in future practice.* Presentation on February 12, 2016, at the Fifth Nova Southeastern University's Health Professions Division Research Day (HPD Research Day), Nova Southeastern University, Fort Lauderdale, FL.

Jacobs, R. J., Florent-Carre, M., **Rana, A. M.**, Rana, Z., & Iqbal, H. *Factors related to medication adherence in a multiethnic sample of older persons with multimorbid chronic conditions.* Presentation on February 12, 2016, at the Fifth Nova Southeastern University's Health Professions Division Research Day (HPD Research Day), Nova Southeastern University, Fort Lauderdale, FL.

Iqbal, H., Jacobs, R. J., **Rana, A. M.**, Rana, Z. *The relationship between gender and choice of specialty in first-year osteopathic medical students' intent to work with medically underserved communities.* Poster presentation on November 13, 2015, at the Consortium for Excellence in Medical Education (CEME), Nova Southeastern University, Fort Lauderdale, FL

**Rana, A. M.** & Petrosky, S. *DigitalMeasures training workshop for COM.* Presentation on August 18, 2015, Nova Southeastern University, College of Osteopathic Medicine, Medical Education Department Training Workshop, Fort Lauderdale, FL.

**Rana, A. M.** *Resources and technology tools for NSU-COM M1 students.* Presentation on August 3, 2015, Nova Southeastern University, College of Osteopathic Medicine, Fort Lauderdale, FL.

**Rana, A. M.** & Petrosky, S. *DigitalMeasures training workshop for COM.* Presentation on July 20, 2015, Nova Southeastern University, College of Osteopathic Medicine, Medical Education Department Training Workshop, Fort Lauderdale, FL.

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- Rana, A. M. & Petrosky, S.** *DigitalMeasures training workshop for COM.* Presentation on July 10, 2015, Nova Southeastern University, College of Osteopathic Medicine, Medical Education Department Training Workshop, Fort Lauderdale, FL.
- Rana, A. M. & Petrosky, S.** *DigitalMeasures training workshop for COM.* Presentation on June 1, 2015, Nova Southeastern University, College of Osteopathic Medicine, Medical Education Department Training Workshop, Fort Lauderdale, FL.
- Rana, A. M.** *Interprofessional Education - Panel Discussion.* Presentation on May 20, 2015, Nova Southeastern University, College of Pharmacy, 2015 Faculty Development Program/Retreat, Fort Lauderdale, FL.
- Rana, A. M.** *Poll Everywhere training workshop for COM and CMS faculty.* Presentation on February 16, 2015, Nova Southeastern University, College of Osteopathic Medicine, Medical Education Department Training Workshop, Fort Lauderdale, FL.
- Rana, A. M.** *Poll Everywhere training workshop for COM and CMS faculty.* Presentation on February 4, 2015, Nova Southeastern University, College of Osteopathic Medicine, Medical Education Department Training Workshop, Fort Lauderdale, FL.
- Lafferty, L. & **Rana, A. M.** *Prepare Healthy Foods In 5 Minutes.* Presentation on February 2, 2015, Nova Southeastern University, College of Osteopathic Medicine, 2015 Faculty Wellness Series, Fort Lauderdale, FL.
- Rana, A. M.** *Poll Everywhere training workshop for COM and CMS faculty.* Presentation on January 29, 2015, Nova Southeastern University, College of Osteopathic Medicine, Medical Education Department Training Workshop, Fort Lauderdale, FL.
- Rana, A. M.** *Public health and informatics: Use of medical informatics in detecting breast cancer.* Presentation on January 28, 2015, Nova Southeastern University, College of Osteopathic Medicine, Master of Public Health Program, Fort Lauderdale, FL.
- Jacobs, R. J., **Rana, A. M.**, & Wallace, E. *Factors influencing osteopathic medical students' intent to be leaders in healthcare provision to underserved communities.* Presentation on January 24, 2015, Nova Southeastern University, Health Professions Educational Research Symposium (HPERS), Fort Lauderdale, FL.
- Blavo, C. & **Rana, A. M.** *Global Health Initiatives: Needs and Opportunities.* Presentation on November 6, 2014, Campbell University, Jerry M. Wallace School of Osteopathic Medicine, Grand Rounds, Buies Creek, NC.

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Blavo, C. & **Rana, A. M.** *Ebola Epidemic in West Africa: Cultural Implications and Challenge.* Presentation on September 25, 2014, Nova Southeastern University, PA-MPH Interprofessional Seminar, Fort Lauderdale, FL.

**Rana, A. M.** & Kroger, K. *Resources and technology tools for NSU-COM MI students.* Presentation on August 4, 2014, Nova Southeastern University, College of Osteopathic Medicine, Fort Lauderdale, FL.

Roseman, J. & **Rana, A. M.** *How do medical students respond to the concept of compassion without being cued on its importance? What is the role of compassion?* Presentation on February 14, 2014, Nova Southeastern University, Health Professions Division Research Day, Fort Lauderdale, FL.

**Rana, A. M.** & Oviawe, E. *Mastering Collaborate.* Presentation on August 26, 2013, Nova Southeastern University, College of Osteopathic Medicine, Faculty Development Program, Fort Lauderdale, FL.

**Rana, A. M.** & Echols, M. *NSU-COM technology orientation for MI students.* Presentation on August 8, 2013, Nova Southeastern University, College of Osteopathic Medicine, Fort Lauderdale, FL.

**Rana, A. M.,** Oviawe, McCarthy, H., & Kroger, K. *iPad training workshop - Vital Source and procedure videos.* Presentation on July 31, 2013, Nova Southeastern University, College of Osteopathic Medicine, Medical Education Department Training Workshop, Fort Lauderdale, FL.

**Rana, A. M.,** Oviawe, E., M., Chiplock, A., & Kroger, K. *iPad training workshop - advanced level for College of Medical Science faculty.* Presentation on July 24, 2013, Nova Southeastern University, College of Osteopathic Medicine, Medical Education Department Training Workshop, Fort Lauderdale, FL.

**Rana, A. M.,** Oviawe, E., M., Chiplock, A., & Kroger, K. *iPad training workshop - beginner level for College of Medical Science faculty.* Presentation on July 24, 2013, Nova Southeastern University, College of Osteopathic Medicine, Medical Education Department Training Workshop, Fort Lauderdale, FL.

**Rana, A. M.** *iPad training demonstration.* Presentation on July 19, 2013, Nova Southeastern University, College of Osteopathic Medicine, Faculty Council Meeting, Fort Lauderdale, FL.

**Rana, A. M.,** Oviawe, E., Echols, M., Chiplock, A., & Kroger, K. *e-Books and iPads.* Presentation on May 24, 2013, Nova Southeastern University, College of Osteopathic Medicine, Faculty Development Program, Fort Lauderdale, FL.

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- Rana, A. M., Oviawe, E., Chiplock, A., & Kroger, K.** *e-Books and library resources.* Presentation on May 20, 2013, Nova Southeastern University, College of Osteopathic Medicine, Medical Education Department Training Workshop, Fort Lauderdale, FL.
- Rana, A. M. & Schwalenberg, E.** *Using TurningPoint 2008.* Presentation on May 3, 2013, Nova Southeastern University, College of Osteopathic Medicine, Faculty Development Program, Fort Lauderdale, FL.
- Rana, A. M., Oviawe, E., Echols, M., Chiplock, A., & Kroger, K.** *iPad 101 for COM faculty.* Presentation on April 9, 2013, Nova Southeastern University, College of Osteopathic Medicine, Medical Education Department Training Workshop, Fort Lauderdale, FL.
- Rana, A. M., Oviawe, E., Echols, M., Chiplock, A., & Kroger, K.** *iPad 101 for COM faculty.* Presentation on April 8, 2013, Nova Southeastern University, College of Osteopathic Medicine, Medical Education Department Training Workshop, Fort Lauderdale, FL.
- Rana, A. M., Schwalenberg, E., & Oviawe, E.** *Using Collaborate (formerly Elluminate Live!).* Presentation on April 5, 2013, Nova Southeastern University, College of Osteopathic Medicine, Faculty Development Program, Fort Lauderdale, FL.
- Rana, A. M. & Schwalenberg, E.** *Using Blackboard SP8.* Presentation on February 8, 2013, Nova Southeastern University, College of Osteopathic Medicine, Faculty Development Program, Fort Lauderdale, FL.
- Schwalenberg, E., **Rana, A.M.**, Roseman, J. & Echols, M. *Introduction to faculty development tracks for 2013.* Presentation on January 25, 2013, Nova Southeastern University, College of Osteopathic Medicine, Faculty Development Program, Fort Lauderdale, FL.
- Rana, A. M.** *Designing effective presentations using PowerPoint.* Presentation on January 15, 2013, Public Health Workforce Development Series hosted by Broward Regional Health Planning Council, Hollywood, Florida.
- Rana, A. M., Schwalenberg, E. & Echols, M.** *Enhancing medical education using Blackboard.* Presentation on November 9, 2012, Nova Southeastern University, College of Osteopathic Medicine, Faculty Development Program, Fort Lauderdale, FL.
- Rana, A. M. & AlHazme, R. A.** *Using business intelligence systems in health care - implementation project at Broward Regional Health Planning Council.* Presentation on November 6, 2012, Nova Southeastern University, College of Osteopathic Medicine, Public Health Seminar, Fort Lauderdale, FL.

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**Rana, A. M.** *Use of medical informatics in detecting breast cancer.* Presentation on September 17, 2011, Nova Southeastern University, College of Osteopathic Medicine, Biomedical Informatics Student and Alumni Network Meeting, Fort Lauderdale, FL.

**Rana, A. M.** *Health information technology - challenges and opportunities for your practice.* Presentation on June 11, 2011, Nova Southeastern University, College of Osteopathic Medicine, Annual Rural Medicine Retreat, Fort Lauderdale, FL.

**VII. GRANTS**

**Grant proposals submitted, funded:**

**Title:** Geriatrics Workforce Enhancement Program  
**Submission Date:** February 6, 2019  
**Funding Agency:** Health Resources and Services Administration (HRSA)  
**Principal Investigator:** Naushira Pandya, M.D., CMD, FACP  
**Institution:** Nova Southeastern University  
**Role:** Subject Matter Expert  
**Percent of funded effort:** 3%  
**Total:** \$3,500,000

**Title:** A National Survey to Assess Multilevel Predictors of Osteopathic Medical Students' Health Information Technology Readiness for Educational Innovations  
**Submission Date:** May 13, 2016  
**Funding Agency:** Health Professions Division Education Grant  
**Principal Investigator:** Robin J. Jacobs, Ph.D., M.S.W., M.S., M.P.H.  
**Institution:** Nova Southeastern University  
**Role:** Co-Investigator  
**Percent of funded effort:** 10%  
**Total:** \$2,000

**Title:** A National Survey to Assess Multilevel Predictors of Osteopathic Medical Students' Health Information Technology Readiness for Educational Innovations  
**Submission Date:** May 13, 2016  
**Funding Agency:** Health Professions Division Research Grant  
**Principal Investigator:** Robin J. Jacobs, Ph.D., M.S.W., M.S., M.P.H.  
**Institution:** Nova Southeastern University  
**Role:** Co-Investigator  
**Percent of funded effort:** 10%  
**Total:** \$7,500

**ARIF M. RANA**  
**Curriculum Vitae**

**Title:** Health Literacy Assessment and Intervention to Reduce Disparities – FLIGHT/VIDAS II  
**Submission Date:** February 5, 2015  
**Funding Agency:** National Institute of Health( (NIH)  
**Principal Investigator** Raymond L. Ownby, M.D., Ph.D., M.B.A.  
**Institution:** Nova Southeastern University  
**Role:** Co-Investigator  
**Percent of funded effort:** 10%  
**Total:** \$2,877,958 (R01)

**Title:** Health Literacy Assessment and Intervention to Reduce Disparities – FLIGHT/VIDAS II  
**Submission Date:** February 5, 2015  
**Funding Agency:** National Institute of Health( (NIH)  
**Principal Investigator** Raymond L. Ownby, M.D., Ph.D., M.B.A.  
**Institution:** Nova Southeastern University  
**Role:** Co-Investigator  
**Percent of funded effort:** 5%  
**Total:** ~\$500,000 (R56)

**Title:** Public Health Workforce Development Series Webinar Portal  
**Submission Date:** June 1, 2013  
**Funding Agency:** Broward Regional Health Planning Council  
**Principal Investigator** Arif M. Rana, Ph.D.  
**Institution:** Nova Southeastern University  
**Role:** Principal Investigator  
**Percent of funded effort:** 10%  
**Total:** \$5,000

**Grant proposals submitted, under review:**

None at the present time

**Grant proposals submitted, not funded:**

**Title:** Project ECHO: Enhancing Communication to Improve Healthcare Outcomes  
**Submission Date:** December 16, 2015  
**Funding Agency:** The Health Resources and Services Administration (HRSA), United States Department of Health and Human Services (HHS)  
**Principal Investigator** Anthony Silvagni, D.O., Pharm.D., M.Sc.  
**Institution:** Nova Southeastern University  
**Role:** Supporting/Director of Medical Education



**ARIF M. RANA**  
**Curriculum Vitae**

**Percent of funded effort:** 10%  
**Total:** \$1,249,584

**Title:** Training in Disaster and Emergency Preparedness Partnership  
**Submission Date:** July 23, 2014  
**Funding Agency:** United States Federal Emergency Management Agency (FEMA)  
**Principal Investigator:** Kristi Messer, M.S.W., M.P.H.  
**Institution:** Nova Southeastern University  
**Role:** Supporting/Director of Online Learning  
**Percent of funded effort:** 10%  
**Total:** \$1,249,584

**Title:** Vulnerable Insurance Population (VIP) Corps of South Florida:  
A University-Community  
**Submission Date:** July 10, 2014  
**Funding Agency:** United States Department of Health and Human Services (HHS)  
**Principal Investigator:** Devra Cohen, M.P.H.  
**Institution:** Nova Southeastern University  
**Role:** Supporting/Program Evaluator  
**Percent of funded effort:** 10%  
**Total:** \$755,590

**Title:** Navigating for the Future: A University-Community Partnership  
to assist Vulnerable Populations in South Florida  
**Submission Date:** June 6, 2013  
**Funding Agency:** United States Department of Health and Human Services (HHS)  
**Principal Investigator:** Devra Cohen, M.P.H.  
**Institution:** Nova Southeastern University  
**Role:** Supporting/Program Evaluator  
**Percent of funded effort:** 10%  
**Total:** \$840,052

**Title:** Development of an Electronic Database System for International  
Medical Outreach Programs in Remote Settings  
**Submission date:** September 12, 2012  
**Funding Agency:** Nova Southeastern University, HPD Faculty Development Grant  
**Principal Investigator:** Arif M. Rana, Ph.D., M.Ed.  
**Role:** Principal Investigator  
**Total:** \$5,000

**VIII. TEACHING**

Fall 2019 MI 5130: Database Systems in Health Care, online

**ARIF M. RANA**  
**Curriculum Vitae**

- MI 6404: Special Topics in Health Informatics, online  
MI 6404: Special Topics in Health Informatics, onsite  
MI 7000: Biomedical Informatics Project/Practicum
- Summer 2019 MI 5130: Database Systems in Health Care, online  
MI 6404: Special Topics in Health Informatics, online  
MSHI 506: Advanced Health Care Database Management, online
- Winter 2019 MI 5130: Database Systems in Health Care, online  
MI 5130: Database Systems in Health Care, onsite  
MI 6404: Special Topics in Health Informatics, online  
MI 6404: Special Topics in Health Informatics, onsite  
MI 7000: Biomedical Informatics Project/Practicum
- Fall 2018 MI 5130: Database Systems in Health Care, online  
MI 5130: Database Systems in Health Care, onsite  
MI 6404: Special Topics in Health Informatics, online  
MI 6404: Special Topics in Health Informatics, onsite  
MI 7000: Biomedical Informatics Project/Practicum  
MSHI 506: Advanced Health Care Database Management, online
- Summer 2018 MI 5130: Database Systems in Health Care, online  
MI 5130: Database Systems in Health Care, onsite  
MI 6404: Special Topics in Health Informatics, online  
MI 6404: Special Topics in Health Informatics, onsite  
MI 7000: Biomedical Informatics Project/Practicum
- Winter 2018 MI 5130: Database Systems in Health Care, online  
MI 5130: Database Systems in Health Care, onsite  
MI 6404: Special Topics in Health Informatics, online  
MI 6404: Special Topics in Health Informatics, onsite  
MI 7000: Biomedical Informatics Project/Practicum  
MSHI 505: Advanced Health Informatics II, online  
MSHI 506: Advanced Health Care Database Management, online
- Fall 2017 MI 5130: Database Systems in Health Care, online  
MI 5130: Database Systems in Health Care, onsite  
MI 6404: Special Topics in Health Informatics, online  
MI 6404: Special Topics in Health Informatics, onsite  
MI 7000: Biomedical Informatics Project/Practicum
- Summer 2017 MI 6404: Special Topics in Health Informatics, onsite

**ARIF M. RANA**  
**Curriculum Vitae**

|             |   |
|-------------|---|
|             | MSHI 505: Advanced Health Informatics II, online<br>MSHI 506: Advanced Health Care Database Management, online  |
| Fall 2016   | MSHI 505: Advanced Health Informatics II, online<br>MSHI 506: Advanced Health Care Database Management, online  |
| Summer 2016 | MI 5130: Database Systems in Health Care, online<br>MI 5130: Database Systems in Health Care, onsite<br>MSHI 506: Advanced Health Care Database Management, online  |
| Winter 2016 | MED 0620: Practicum in Technology Resources for Health Professions Education, hybrid  |
| Fall 2014   | MI 5130: Database Systems in Health Care, online<br>MI 5130: Database Systems in Health Care, onsite  |
| Fall 2013   | MI 5130: Database Systems in Health Care, online  |
| Summer 2013 | MI 4203: Information and Communication Technologies in Health Care, online<br>MI 5130: Database Systems in Health Care, online<br>MI 5204: Clinical Decision Support Systems, online  |
| Winter 2013 | MI 4203: Information and Communication Technologies in Health Care, online<br>MI 5204: Clinical Decision Support Systems, online  |
| Fall 2012   | MI 4203: Information and Communication Technologies in Health Care, online<br>MI 5204: Clinical Decision Support Systems, online<br>MI 7000: Biomedical Informatics Project/Practicum<br>M4 Medical Informatics elective, asynchronous                      |
| Summer 2012 | MI 5204: Clinical Decision Support Systems, online  |
| Winter 2012 | MI 5130: Database Systems in Health Care, online<br>MI 5130: Database Systems in Health Care, onsite<br>MI 6404: Special Topics in Health Informatics<br>MI 7000: Biomedical Informatics Project/Practicum<br>M4 Medical Informatics elective, asynchronous |
| Fall 2011   | MI 5130: Database Systems in Health Care, online<br>MI 5130: Database Systems in Health Care, onsite  |

**ARIF M. RANA**  
**Curriculum Vitae**

MI 6404: Special Topics in Health Informatics  
MI 7000: Biomedical Informatics Project/Practicum  
M4 Medical Informatics elective, asynchronous

Summer 2011 M4 Medical Informatics elective, asynchronous

**IX. SERVICE**

**Department/Program Service:**

2017 to Present Member: Biomedical Informatics Curriculum Committee  
2017 to Present Member: Biomedical Informatics Faculty Advisor Committee  
2017 to Present Member: Biomedical Informatics Student Progress and Advising Committee  
2017 to Present Member: Biomedical Informatics Strategic Planning Committee  
8/2016 to 7/2017 Technology Consultant: Medical Spanish Course  
8/2013 to 5/2014 Technology Coordinator: Physical Diagnosis Course  
2013 to Present Member: Public Health Program Evaluations Committee  
2013 to 2016 Preceptor: Candidate's Simulation Program  
2012 to 2016 Facilitator: M3 Come Home Day at Simulation Clinic  
6/2013 Producer: CAE video  
2012 to 2016 Facilitator: M2 Procedures at Simulation Clinic  
2012 to Present Member: Medical Education Department Strategic Planning Committee  
2011 to 2013 Member: Biomedical Informatics Curriculum Committee  
2011 to 2013 Member: Biomedical Informatics Faculty Advisor Committee  
2011 to 2013 Member: Biomedical Informatics Student Progress and Advising Committee  
2011 to 2013 Member: Biomedical Informatics Strategic Planning Committee  
2011 to 2013 Adviser: Biomedical Informatics Student and Alumni Network

**College Service:**

2018 to Present Member: Peer Review Committee for Promotion and Continuing Contracts  
2018 to Present Member: Technology and Innovations Committee  
2018 to Present Executive Committee: Faculty Council  
2017 to 2018 Member: Policy Review Committee  
2017 to Present Vice Chair: COM Scholarship, Honors, and Awards Committee  
2017 to Present Member: COM Administrative Council  
2017 to Present Member: COM Academic Curriculum Committee  
8/9/2015 Reader: COM Class of 2019 White Coat Ceremony  
2015 to Present Member: COM Policy Committee  
8/10/2014 Reader: COM Class of 2018 White Coat Ceremony

**ARIF M. RANA**  
**Curriculum Vitae**

2014 to 2016            Director: COM Zafonte Academic Society  
11/23/2013            Organizer: Interdisciplinary Leadership Conference on Child Abuse  
2013 to Present        Member: College of Optometry Admissions Committee  
2013 to 2017            Member: COM Continuing Education and Faculty Development  
                                 Committee  
2012 to 2017            Member: COM Scholarship, Honors, and Awards Committee  
2012 to Present        Applicant Interviewer: COM Admissions Committee  
2012 to Present        Educator and Trainer: Personalized Technology Sessions at COM  
2012 to 2014            Adviser: COM Zafonte Academic Society

**Community Service:**

6/23/2018              Reviewer: Cynthia Blavo International Health Symposium  
12/2/2017              Keynote Speaker: IHI (Fund Raising) Event  
10/28/2017             Reviewer: IHI Symposium  
8/26/2017              IHI Fellow Mentor: Designing and Delivering Effective Presentations  
                                 Using PowerPoint  
8/15/2015              Education and Technology Advisor: Safety NET: Earthquake Relief and  
                                 Recovery Project  
11/22/2014             Education and Technology Advisor: Rwanda Health Initiatives: Needs &  
                                 Opportunities (RHINO) Project  
8/9/2014                Education and Technology Advisor: Malaria Outreach Project (MOP)  
5/9/2014                Education and Technology Advisor: Sounds of Silence (SOS) Project  
3/2014                    Web Developer: International Health Initiatives  
1/21/2014              Patient Simulation Facilitator: Archbishop McCarthy High School  
3/9/2013                Education and Communication Consultant: First Aid: Serve and Train  
                                 (FAST) Project  
1/22/2013              Volunteer: Salvation Army "Fruits of Labor" event  
5/2012 to 12/2012    Informatics Consultant: Broward Regional Health Planning Council  
5/9/2012                Informatics Consultant: Center for Haitian Studies

**X. EDITORIAL**

**Manuscript Reviews:**

2015 to Present        Manuscript Reviewer: *International Journal of Emergency Mental Health*  
2012 to 2014            Manuscript Reviewer: *Journal of Invitation Theory and Practice*

**XI. MEMBERSHIPS**

**Professional Organizations:**

**ARIF M. RANA**  
**Curriculum Vitae**

|                 |   |
|-----------------|---|
| 2019 to Present | Site Visitor: The Commission on Accreditation for Health Informatics and Information Management Education |
| 2019 to Present | Member: The American Health Information Management Association  |
| 2017 to Present | Member: American Medical Informatics Association  |
| 2015 to Present | Member: Healthcare Information and Management Systems Society   |
| 1993 to Present | Member: The Institute of Electrical and Electronics Engineers   |