

Curriculum Vitae

Samar H. Binkheder, M.S., Ph.D.

Assistant Professor

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Education**Indiana University, Indianapolis, USA**

Ph.D. Biomedical & Health Informatics	GPA: 3.88 / 4	July 2019
Master of Science Bioinformatics	GPA: 3.81 / 4	December 2013

Umm Al-Qura University, Makkah, KSA

Bachelor Degree of Applied Medical Sciences in Laboratory Medicine	June 2007
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Academic Appointments and Professional Experience**King Saud University, Riyadh, KSA**

Assistant Professor (Biomedical & Health Informatics)	December 2019 - Now
Lecturer (Biomedical & Health Informatics)	March 2018-December 2019
Teaching Assistant (Biomedical & Health Informatics)	January 2015-March 2018

Indiana University, Indianapolis, USA

Adjunct lecturer (Health Informatics)	January 2018 – May 2019
<ul style="list-style-type: none"> Teaching an undergraduate course INFO-B481-Health Information Standards & Terminology (Spring 2018 & 2019) 	
Graduate researcher at Dr. Lang Li Lab	August 2016 - Now
<ul style="list-style-type: none"> Ph.D.'s dissertation (Research areas: Text mining, Data Mining, Standardized terminologies, Health informatics) Collaboration with The Ohio State University (OSU) 	
Research Assistant at School of Informatics and Computing	January 2014-December 2014
Graduate researcher at Dr. Milan Radovich Lab	May 2013-July 2013
<ul style="list-style-type: none"> Master's project (Research areas: Next generation sequencing, Bioinformatics) 	

Regenstrief Institute, Inc.

Graduate researcher at Dr. Brain Dixon Lab:

August 2014-August 2015

- Research Rotation / Independent Study (Research areas: Text Mining, Public health reporting, Health informatics)

King Abdulaziz University Hospital, Jeddah, KSA

Medical Laboratory Technology Volunteer

February 2009-April 2009

- Histopathology Laboratory

Medical Laboratory Technology Intern

July 2007 - July 2008

- Hematology (6 months)
- Microbiology (3 months)
- Virology (1 month)
- Electron Microscope Unit (1 month)
- Histopathology and Blood Bank (2 weeks each)

King Faisal Specialist Hospital & Research Center, Jeddah, KSA

Medical Laboratory Technology Volunteer

June 2006-July 2006

- Department of Pathology & Laboratory Medicine

Professional Development, Conferences, & Certification

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| ▪ Organizer at the Medical Informatics and E-learning week, College of Medicine, King Saud University | September, 2019 |
| ▪ Artificial Intelligence in Healthcare lecture, Health Informatics Summer Course "Using data for Clinical Services and Patient Safety", College of Medicine, King Saud University (Summer 2019) | September – October, 2019 |
| ▪ Attended IEEE International Conference on Healthcare Informatics (ICHI) and presented a poster, New York City, USA | July 2018 |
| ▪ Attended The American Medical Informatics Association (AMIA) Annual Symposium and presented poster, Chicago, USA | November 2016 |
| ▪ The Sixth Annual Indiana Clinical and Translational Sciences Institute (CTSI) Symposium on Disease and Therapeutic Response Modeling, Indianapolis, USA | November 2016 |
| ▪ Academic Intensive English Program (AIEP) with TOFEL iBT preparation (Three levels), UCLA Extension, Los Angeles, USA | December 2011 |
| ▪ Cal America Education Institute for English as a second language (4 months), Los Angeles, California, USA | December 2010 |
| ▪ Volunteered in the organization of the first annual Clinical Laboratory Day, King Abdulaziz University Hospital, Jeddah, KSA | 2008 |

Technical Skills

- R statistical language
- Python
- Extensible Markup Language (XML)
- UNIX
- Access Database
- MySQL Database
- WEKA
- Cytoscape
- Tableau

Peer-Review for Journals and Conferences

- American Medical Informatics Association Summit, 2020-now
- Applied Clinical Informatics Journal, 2018-now
- American Medical Informatics Association Symposium, 2015

Scholarships

- Full tuition for PhD degree in the USA, King Saud University, Riyadh, KSA, January 2015-2019
- Academic scholarship and Graduate assistantship for earning PhD in Health Informatics, School of Informatics and Computing, Indiana University, Indianapolis, USA, January 2014-December 2014
- Full tuition for Master's and PhD degree in the USA, Saudi Arabian Cultural Mission (SACM), KSA, August 2010-January 2015

Publications & Posters

Binkheder, S., Wu, H. Y., Quinney, S., & Li, L. (2018, June). Analyzing Patterns of Literature-Based Phenotyping Definitions for Text Mining Applications. In *2018 IEEE International Conference on Healthcare Informatics (ICHI)* (pp. 374-376). IEEE.

Zhang, P., Wu, H. Y., Chiang, C. W., Wang, L., Binkheder, S., Wang, X., ... & Li, L. (2018). Translational biomedical informatics and pharmacometrics approaches in the drug interactions research. *CPT: pharmacometrics & systems pharmacology*, 7(2), 90-102.

Holden, R. J., Binkheder, S., Patel, J., & Viernes, S. H. P. (2018). Best Practices for Health Informatician Involvement in Interprofessional Health Care Teams. *Applied clinical informatics*, 9(01), 141-148.

Binkheder, S., Dixon, B. E., & Grannis, S. J. (2016). Transmission of ELR messages To Improve Public Health Reporting. In AMIA. (Poster)

Dixon, B. E., Henderson, M., McFarlane, T., Kirbiyik, U., Binkheder, S., Albertin, C., Saurabh Rahurkar, C. (2016). Early Findings from a Public Health Informatics Laboratory for Interprofessional Doctoral Students. In AMIA. (Poster)

Jones, J. F., Zolnoori, M., Binkheder, S., Schilling, K., Pondugala, L. R., & Lenox, M. (2014). The Extent to which US Hospitals Promote Their Patient Engagement Activities and Outcomes: Preliminary Results of Quantitative Content Analysis Research. In AMIA. (Poster)