

Student Working Group

NEWSLETTER

MARCH 2022



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SAVE THE DATE

MAR 31 2022 CLINICAL
INFORMATICS CONFERENCE
EARLY MEMBER RATE
REGISTRATION DEADLINE

MAY 24-26 2022 CLINICAL
INFORMATICS CONFERENCE

REACH OUT TO US



AMIASTUDENTWG.SLACK.COM

Send us a request to
join our slack channel!



@AMIASTWG



Email the Co-Editor

MXH2000@CUMC.COLUMBIA.EDU

PREVIOUS EDITIONS OF STWG NEWSLETTER AT:
AMIA.ORG/COMMUNITY/WORKING-GROUPS/STUDENT/
STUDENT-WORKING-GROUP-NEWSLETTER

Welcome to the AMIA
Student Working Group newsletter:
March edition!

STUDENT SOCIAL MEDIA AMBASSADORS WANTED

The *For Your Informatics* podcast team is seeking student social media ambassadors to assist with podcast information dissemination. The podcast team would like assistance with content creation and scheduling, podcast ideas, and assistance with recruiting speakers.

How to apply: Send your resume and a 500-word essay detailing your interest and social media experience to **KarmenSWilliams@gmail.com** by **April 18**.

Ambassadors receive a **\$250 scholarship** and **1-year AMIA student membership**.

AMIA SUMMIT STUDENT PAPER AWARD WINNERS

First Place

Humayera Islam, University of Missouri Institute for Data Science & Informatics

A Privacy-Preserved Transfer Learning Concept to Predict Diabetic Kidney Disease at Out-of-Network Siloed Sites Using an In-Network Federated Model on Real-World Data

Second Place

Sunyang Fu, Mayo Clinic

Assessment of Data Quality Variability across Two EHR Systems through a Case Study of Post-Surgical Complications

Third Place

Kevin Lybarger, University of Washington

Extracting Radiological Findings With Normalized Anatomical Information Using a Span-Based BERT Relation Extraction Model

MARCH 2022 SPOTLIGHT



Gregory L Alexander

PhD, RN, FAAN, FACMI, FIASHI

Helen Young CUPHHSONNA Professor

Columbia University

School of Nursing

NURSING INFORMATICS WORKING GROUP (NI-WG)

NI-WG GOALS

NI-WG's mission is to advance the profession of nursing informatics, help professionals be active in addressing national and international policy. To involve nurses at the core of policy and healthcare improvement through different aspects of informatics. Recognize students and help them learn more about informatics. Collaborate with partners in industry, globally, and at the federal level.

NI-WG STUDENT OPPORTUNITIES

Students can apply for an annual NIWG student representative position, run a committee within the AMIA leadership group, and attend monthly meetings. Work with the digital communities working group to support communication through digital and social media. organize activities at yearly conferences, Saturday workshops, create annual goals, and liaison with other working groups.

WHO SHOULD JOIN

Not limited to nurses! People with diverse interests such as interdisciplinary, policy, standards, acute care, big data, long-term care, and post-acute care are welcomed and encouraged to join.

HOW TO JOIN

Opening meetings to the general body. Monthly meeting on the second Thursday of every month, reach out to Dr. Alexander or any member of the leadership team. Students are encouraged to come to monthly meetings to get a taste of the group and pursue interests and network and connect with nursing informatics professionals.



STUDENT SPOTLIGHT

Amanda Moy
PhD Candidate
Biomedical Informatics
Columbia University

"AMIA has been an excellent avenue to connect with future collaborators, find community and exchange ideas. The AMIA Annual Symposium always feels like homecoming to me."

How did you become interested in informatics?

After I completed my MPH in Epidemiology, I worked on developing data capturing systems based on clinical and reporting standards for many years both in government and industry. Over nearly a decade, I noticed a turn in the tide—data volumes were expanding and real-world data (as opposed to data specifically collected for research) were coming to the forefront of research in all fields and settings. Given my love and passion for epidemiology, I was interested in generating clinical and public health meaning as well as solutions from “imperfect” data. Informatics research seemed like a natural fit for me.

What are your current research interests?

Clinical documentation burden is a major and multifactorial concern that affects clinician well-being. My research focuses on exploring and developing optimal ways to quantify clinical documentation burden using passively collected data, such as EHR log files, EHR metadata, and other secondary data sources.

Describe your poster at the last AMIA symposium.

Lack of interpretability and trust in predictive models in clinical practice continue to be barriers to clinical decision support (CDS) use. Evaluating proxies of utility may be key to understanding how to best tailor CDS systems. My poster focused on assessing the use of CONCERN—a CDS tool that leverages EHR metadata to predict a patient’s risk for deterioration—among nurses and physicians through user action log files. We found that clinicians were more likely to use functionalities related to immediate patient care.

What advice would you offer students in informatics?

While most individuals reading this will eventually earn a degree in Informatics and/or pursue a successful career in Informatics, all of us originate from different places and have different life experiences; remember this is the unique value you bring to the field. Very generally, I would add: stay curious, build bridges, appreciate the present, and do the best you can with what the universe has given you.