Scott P. McGrath

Academic Program Manager - CITRIS Health, UC Berkeley

Ph.D. · Biomedical Informatics

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"Any sufficiently advanced technology is indistinguishable from magic."

Education

University of Nebraska at Omaha   *Omaha, NE, USA*

PhD in Biomedical Informatics   *Jan. 2014 - May 2019*

- Health Informatics concentration
- Dissertation: "The Revolution will be Sequenced: Anticipating the Knowledge Gap within the Genomic Pillar of Precision Medicine."

University of Nebraska at Omaha   *Omaha, NE, USA*

MS in Biomedical Informatics   *Aug. 2011 - Dec. 2013*

- Bioinformatics concentration
- Thesis: "How Personal should Personal Genomics be? A study of the direct to consumer market for genetic testing and the need for an honest broker."

Linfield College   *McMinnville, OR, USA*

B.S. in Biology, Chemistry minor   *Aug. 1996 - May 2000*

- Study Abroad: University of Nottingham Trent, Nottingham, UK. Sep. 1998 - Jan. 1999

Leadership

2025	**Member**,	AMIA Nominating Committee
2025	**Co-Chair**,	AMIA Governance Committee
2021-2024	**Committee Member**,	AMIA Governance Committee
2022-2023	**Chair**,	AMIA Working Group Steering Committee
2022-2023	**Guest of the Board**,	AMIA Board of Directors
2019-2021	**Chair**,	AMIA Student Working Group

Honors & Awards

2025	**NIH AIM-AHEAD**, AIM-AHEAD Bridge2AI Clinical Care Trainee	*Cohort 2*
2023	**Fellows of AMIA (FAMIA)**, Induction into FAMIA by the American Medial Informatics Association	*Chicago, IL*
2017	**Best Student paper**, AMIA Consumer Health and Pervasive Informatics Working Group - Developing a concussion assessment mHealth app for certified Athletic Trainers	*Washington, DC*
2016	**2nd place**, PKI Capstone and Research Fair: Best presentation – Requirements capture for a mHealth medicine app to support Certified Athletic Trainers	*Omaha, NE*
2015	**2nd place**, PKI Capstone and Research Fair: Best paper – Do We Need Honest Brokers For DTC Genetic Test Results?	*Omaha, NE*
2014	**3rd place**, PKI Capstone and Research Fair: Best paper - How Personal should Personal Genomics be?	*Omaha, NE*
2014	**Finalist**, Department selection for Elton S. Carter award for excellence in a Master's thesis	*Omaha, NE*
2013	**Fellowship**, NASA Space Grant Fellow: NE	*Omaha, NE*
2013	**3rd place**, PKI Capstone and Research Fair: Best paper - Concept to Commit	*Omaha, NE*
2013	**1st place**, CSCI Best Presentation award: BioPerl – the fastest draw in the west?	*Omaha, NE*
2011	**1st place**, UNO Student Research and Creative Activity Fair: Best Undergraduate Poster	*Omaha, NE*
2008	**Team Award**, Employees of the Quarter - Q1	*Durham, NC*
2007	**Individual Award**, Technician of the Quarter - Q4	*Durham, NC*

Experience

University of California at Berkeley
Berkeley, CA

ACADEMIC PROGRAM MANAGEMENT OFFICER 4
Apr. 2021 - Present

- Program Manager for ACTIVATE a digital health and remote patient monitoring project
- Program Manager for California Senior LGBTQ+ survey

Indiana University
Indianapolis, IN

ADJUNCT PROFESSOR
Feb. 2021 - Present

- Online Course instruction and development PBHL E647 - Intro to Population Health Analytics

University of New England - College of Graduate and Professional Studies
Portland, ME

ADJUNCT PROFESSOR/SUBJECT MATTER EXPERT
Nov. 2018 - Present

- Course instruction for HIN 770 - Foundations of Data Analytics

Ohio University - College of Health Sciences and Professions
Dublin, OH

ADJUNCT PROFESSOR/SUBJECT MATTER EXPERT
Nov. 2017 - Present

- Course development and teaching of the Clinical Informatics Intensive Continuing Education Workshop, Health Informatics Systems and Applications, and Health Informatics for the health professions
- Curriculum evaluation for OU's Clinical Informatics certificate

Providence St. Joseph Health
Missoula, MT

CLINICAL INFORMATICS EDUCATION SPECIALIST
Feb. 2020 - Mar. 2021

- EPIC EHR Curriculum and training documentation - Inpatient Provider, Inpatient Nursing

University of Montana - College of Health Professions and Biomedical Sciences
Missoula, MT

ADJUNCT PROFESSOR
Nov. 2019 - May 2020

- Course instruction for PUBH 520 - Biostatistics

UNO - School of Health and Kinesiology
Omaha, NE

ADJUNCT PROFESSOR
Feb. 2017 - May 2020

- Course development and teaching biomedical informatics classes
- Assisted with curriculum development for the biomedical informatics degree

UNO Bioinformatics Lab
Omaha, NE

GRADUATE ASSISTANT
Jan. 2010 - Jul. 2016

- Conducting Health Informatics related research
- Research study design, execution, data collection, statistical analysis, summation, and presentation
- Mentoring of Health Informatics Masters students

Northrop Grumman
Bellevue, NE

COLLEGE TECHNICAL INTERN
May. 2015 - Sep. 2015

- Research and development work for their Analysis and Visualization for Information Discovery (AVID) system

Interpublic Group
Omaha, NE

GLOBAL MESSAGING OPERATIONS INTERN
May. 2011 - Dec. 2013

- Helped manage Cisco IronPort, Blackberry Enterprise, and Microsoft Exchange Servers for over 43,000 global employees as a member of the messaging team

Cree Inc.
Durham, NC

R&D TECH
June. 2005 - Jul. 2009

- Lean Six-sigma manufacturing environment
- Responsible for conducting experiments and process improvement projects in a semiconductor environment.
- Enhanced production flow, reduced costs, improved product quality, and transitioned new developments to production teams

Intel
Hillsboro, OR

SENIOR TECH 55
May 2000 - Jul. 2003

- Lean Six-sigma manufacturing environment
- Responsible for area operations in the High Density Plasma (HDP) module of Fab 20. Fab 20 was a 200mm plant running a 0.13-micron process producing Pentium 4 and Xeon processors

Teaching- *average teaching performance review of 4.65 out of 5*

PBHL E647 - Intro to Population Health Analytics

Indiana University

Instructor

Feb. 2021 - Present

- Health data mining and analysis using R and Weka

IHS 5513 - Health Informatics for the Health Professions

Ohio University

Course Development/Instructor

July 2018 - Present

- Course development for an online master's level class
- Core elements: foundations and history, interoperability, EHRs, standards, data analysis, big health data, privacy, security, ethics, health information exchanges, mHealth and telehealth, Clinical Decision Support

IHS 6801 - Health Informatics Systems and Applications

Ohio University

Course Development/Instructor

July 2018 - Present

- Course development for an online master's level class
- Core elements: databases, data mining, EHRs, data exchanges, privacy and security, analysis and selection of health IT systems, introduction to AI

IHS 6803 - Program Planning and Evaluation in Healthcare

Ohio University

Course Development/Instructor

July 2018 - Present

- Course development for an online master's level class
- Core elements: DMAIC method in context of healthcare, workflow analysis, process maps, and process improvement

HIN 770 - Foundations of Data Analytics

University of New England

Instructor

Nov. 2018 - Present

- Course develops a foundation in data preparation and preliminary analytics using R which can be applicable for research, quality improvement and industry large-scale data analytics projects.

PUBH 520: Fundamentals of Biostatistics

University of Montana

Instructor

Jan. 2020 - May 2020

- Online course introduces basic vocabulary, concepts, and methods of biostatistics in the context of simulated data from real studies utilizing a range of study designs and methods employed in public health research and practice.

HLTH 3100: Essentials of Health Informatics

University of North Georgia

Instructor

Jan. 2020 - May 2020

- Online course introduces current status of EHRs,HIE,consumer information needs, global health, public health informatics, and clinical information systems.

HED 4420 - Public Health Informatics

UNO

Course Development/Instructor

Jan. 2016 - May 2020

- Undergraduate course development and instruction
- Course taught both in the classroom, and online (via Blackboard and Canvas platforms)

Clinical Informatics Intensive Continuing Education Workshop

Dublin, OH

Course Development/Instructor

May 2018 - May 2019

- Course development and instruction for health professionals (Nurses, Physicians, & Pharmacists)

BIO 1000 - Intro to Bioinformatics

UNO

Instructor

Aug. - Dec. 2017

- Undergraduate course development and instruction
- Course taught online using the Canvas platform

BMI 8100 - Introduction to Biomedical Informatics

UNO

Teaching Assistant

Aug. 2013 - Dec. 2013

- Assisted in developing lecture slides and homework assignments

Research Interests

- Digital Health
- Precision Medicine
- Enhancing healthcare provider communication with IT
- Telehealth & mHealth

- Direct-to-Consumer genetic tests
- Electronic Health Records and communication
- Big health data and data mining

Publications

JOURNAL PAPERS

npj Cardiovascular Health
In Review

Improving Hypertension and Diabetes Outcomes with Digital Care Coordination and Remote Monitoring in Rural Health
2025
- Kim. K. · Dawes, D. · Lindeman, D. · **McGrath, S.** · Pai, V.

2025 IMIA Yearbook of Medical Informatics
In Review

2025 Bioinformatics and Translational Informatics best papers.
2025
- **McGrath, S.** · Benton, M.L.

2024 IMIA Yearbook of Medical Informatics
IMIA

Advancements in Precision Prevention: Top Bioinformatics and Translational Informatics Papers of 2023
2024
- **McGrath, S.** · Benton, M.L.

JAMIA

A comparative evaluation of ChatGPT 3.5 and ChatGPT 4 in responses to selected genetics questions
June 14, 2024
- **McGrath, S.** · Kozel, B. · Gracefo, S. · Sutherland, N. · Danford, C. · Walton, N.

JAMIA

Enabling the clinical application of artificial intelligence in genomics: a perspective of the AMIA Genomics and Translational Bioinformatics Workgroup
Feb 2024
- Walton, N. · **McGrath, S.** · et. al.

BioRxiv
Preprint

Evaluating ChatGPT as an Agent for Providing Genetic Education
October 29, 2023
- Walton, N. · Kozel, B. · Gracefo, S. · Sutherland, N. · Danford, C. · **McGrath, S.**

Applied Clinical Informatics

The ACTIVATE Digital Health Pilot Program for Diabetes and Hypertension in an Underserved and Rural Community
Aug 2023
- Kim, K.K. · **McGrath, S.** · Solorza, J.L. · Lindeman, D.

2023 IMIA Yearbook of Medical Informatics

Intersecting Pathways in Bioinformatics and Translational Informatics: A One Health Perspective on Key Contributions and Future Directions
Aug. 2023
- Benton, M.L. · **McGrath, S.**

2022 IMIA Yearbook of Medical Informatics

2021 Bioinformatics and Translational Informatics best papers.
Aug. 2022
- Benton, M.L. · **McGrath, S.**

2021 IMIA Yearbook of Medical Informatics

Predictions, pivots, and a pandemic: a review of 2020's top translational bioinformatics publications
Aug. 2021
- **McGrath, S.** · Benton, M.L. · Tavakoli, M. · Tatonetti, N. P.

Frontiers in Medicine

Legal Challenges in Precision Medicine: What Duties Arising from Genetic and Genomic Testing Does a Physician Owe to Patients?

Jul. 2021

- **McGrath, S**. · Peabody, A. · Walton, D. · Walton, N.

Online Journal of Public Health Informatics

Current Approaches and Trends in Public Health Informatics Education

Jul. 8, 2020

- Schwartz, D. · **McGrath, S**. · Monsen, K. · Dixon, B.

BMC Health Services Research

Are providers prepared for genomic medicine: Interpretation of Direct-to-Consumer genetic testing (DTC-GT) results and genetic self-efficacy by medical professionals.

Nov. 25, 2019

- **McGrath, S.** · Walton, N. · Williams, M.S. · Kim, K.K. · Bastola, K.
- DOI: 10.1186/s12913-019-4679-8

European Medical Journal Innovations

The influence of 'omics' in shaping precision medicine

Jan. 9, 2018

- **McGrath, S.**

BMC Medical Genomics

Building towards precision medicine: empowering medical professionals for the next revolution

May 10, 2016

- **McGrath, S.** · Ghersi, D.
- DOI: 10.1186/s12920-016-0183-8

Public Health Genomics

Comprehension and Data-Sharing Behavior of Direct-To-Consumer Genetic Test Customers

Apr. 2016

- **McGrath S.P.** · Coleman J. · Najjar L. · Fruhling A. · Bastola D.R.
- DOI:10.1159/000444477

Refereed conference papers

Proceedings of the AMIA 2022 Clinical Informatics Conference

ACTIVATE: Results of a Digital Health Pilot Program for Diabetes and Hypertension in an Underserved and Rural Community

May 2022

- Kim K.K. · **McGrath, S.** · Solorza J.L. · Lindeman D.

Proceedings of the AMIA 2021 Annual Symposium

pg 1750

Design and Feasibility of ACTIVATE, a Digital Health Platform for Community Health Centers in Response to COVID-19

Nov. 2021

- **McGrath, S.** · Matsumoto C.G. · Lindeman D. · Kim K.K.

AMIA 2019 Annual Symposium

Improving the odds of success for precision medicine using the social ecological model

Nov. 2019

- **McGrath, S.**

AMIA Informatics Summit 2019

Interpretation and self-efficacy of DTC genetic tests by medical professionals

Mar. 2019

- **McGrath, S.** · Walton, N. · Williams, M. S. · Kim, K. · Bastola, K.

AMIA Informatics Summit 2019

A Decade of Translational Bioinformatics "Year-in-Review" Presentations: An 11-year Retrospective Analysis

Mar. 2019

- Romano, J. D. · Bernauer, M. · **McGrath, S.** · Nagar, S. D. · Freimuth, R. R.

AMIA 2017 Annual Symposium

Developing a concussion assessment mHealth app for certified Athletic Trainers.

Nov. 2017

- **McGrath, S.** · McGrath, M. · Bastola, D. R.

Proceedings of the 2015 International Conference on Brain Informatics & Health

EXTENDING CONCUSSION EVALUATIONS WITH TELEMEDICINE FOR CERTIFIED ATHLETIC TRAINERS *Aug. 2015*

- **McGrath, S.** · Bastola, D.K.

Proceedings of the 5th ACM Conference on Bioinformatics, Computational Biology, and Health Informatics

pp. 582-583

DTC GENETIC TESTING AND CONSUMER COMPREHENSION *Sept. 2014*

- **McGrath, S.** · Bastola, D.K.

IEEE Data Analysis Patterns in Software Engineering (DAPSE)

pp. 6-8

CONCEPT TO COMMIT: A PATTERN DESIGNED TO TRACE CODE CHANGES FROM USER REQUESTS TO CHANGE IMPLEMENTATION BY ANALYZING MAILING LISTS AND CODE REPOSITORIES

May 2013

- **McGrath, S.** · Bastola, D.K. · Siy, H.

IEEE Healthcare Informatics, Imaging and Systems Biology (HISB)

pp. 73-73

A COMPARISON OF COMPUTATIONAL APPROACHES IN THE MOLECULAR IDENTIFICATION OF PATHOGENIC ORGANISMS

Sept. 2012

- Bastola, D.K. · **McGrath, S.** · Bhowmick, S. · Thapa, I.

INVITED AUTHORSHIP

Atlas of Science

THE DECLINING COST OF GENETIC SEQUENCING IS OPENING THE DOOR FOR PRECISION MEDICINE *Oct 6, 2016*

- **McGrath, S.**

BMC Series Blog

PRECISION MEDICINE: HOW TO GET THE HOPE WITHOUT THE HYPE *May 19, 2016*

- **McGrath, S.**

BOOK CHAPTERS

CRC Press: E-Medicine, E-Health, M-Health, Telemedicine, and Telehealth Handbook

Ch. 17

MOBILE HEALTHCARE USER INTERFACE DESIGN APPLICATION STRATEGIES *Nov. 2015*

- Fruhling, A. · Raman, S. · **McGrath, S.**
- ISBN: 978-1482236620

THESIS

University of Nebraska at Omaha

THE REVOLUTION WILL BE SEQUENCED: ANTICIPATING THE KNOWLEDGE GAP WITHIN THE GENOMIC PILLAR OF PRECISION MEDICINE

May. 2019

- **McGrath, S.**
- Publication Number: 13860939

University of Nebraska at Omaha

HOW PERSONAL SHOULD PERSONAL GENOMICS BE? A STUDY OF THE DIRECT TO CONSUMER MARKET FOR GENETIC TESTING AND THE NEED FOR AN HONEST BROKER

Dec. 2013

- **McGrath, S.**
- Publication Number: 1549106

Grant Submissions

National Institutes of Health: Loan Repayment Program

SCALING ACTIVATE: INNOVATIONS IN TELEHEALTH AND DIGITAL CARE COORDINATION FOR UNDERSERVED POPULATIONS

Nov. 2024

- McGrath, S.

National Institutes of Health: Loan Repayment Program

ENHANCING ACTIVATE - NEW RESEARCH AIMS FOR A DIGITAL HEALTH AND TELEHELTH PROGRAM FOR RURAL AND UNDERSERVED POPULATIONS.

Nov. 2022

- McGrath, S.

National Science Foundation: Science, Technology, and Society; Doctoral Dissertation Improvement Grant

PREPARING ELECTRONIC HEALTH RECORDS FOR PRECISION MEDICINE

Aug. 2016

- McGrath, S., Bastola, D.

University of Nebraska at Omaha Graduate Research and Created Activity (GRACA)

M-HEALTH TELEHEALTH APP TO EXTEND CARE FOR CERTIFIED ATHLETIC TRAINERS

Jan. 2016

- McGrath, S., Bastola, D.

University of Nebraska at Omaha Graduate Research and Created Activity (GRACA)

INVESTIGATING THE IMPACT OF GENOMIC MEDICINE ON NURSING CARE, PATIENT ENGAGEMENT, AND OUTCOMES.

Jan. 2015

- McGrath, S., Bastola, D.

University of Nebraska at Omaha Graduate Research and Created Activity (GRACA)

WORKFLOW ANALYSIS OF THE JUVENILE DIVERSION CASE MANAGEMENT SYSTEM (JDCMS) IN NEBRASKA.

Jan. 2014

- McGrath, S., Fruhling, A.

NASA Nebraska EPSCoR

HOW TO GET THE MOST "BANG-FOR-YOUR-BUCK" IN SPACE: GENERATION OF A COMPACT, CLINICAL "LAB IN A BOX" FOR ASTRONAUTS.

Dec. 2013

- Fruhling, A., Anderson, C., Cohen, K., Stiles, K., Morien, M., Terry, B., Ali, H., Sambol, T., Bastola, D., Dempsey, K., Hoff, G., McGrath, S., Lechner, B.

NASA Human Exploration Research Opportunities (HERO)

IN-FLIGHT MICROBIOLOGY "LAB IN A BOX" FOR ASTRONAUTS.

Nov. 2013

- Fruhling, A., Anderson, C., Cohen, K., Stiles, K., Morien, M., Terry, B., Ali, H., Sambol, T., Bastola, D., Dempsey, K., Hoff, G., McGrath, S., Lechner, B.

NASA Nebraska Space Grant Mini-Grant Student Fellowship

ADAPTING A TELEMEDICINE DEVICE FOR IMPLEMENTATION IN SPACE FLIGHT.

Aug. 2013

- McGrath, S., Fruhling, A.

Funded Research

National Institute on Minority Health and Health Disparities

NATIONAL INSTITUTES OF HEALTH: LOAN REPAYMENT PROGRAM

$31,300

July. 2023

University Committee on Research and Creative Activity (UCRCA)

BENCHMARKING GENETIC TESTING INTERPRETATION AND SELF EFFICACY OF MEDICAL PROFESSIONALS

$500

Dec. 2017

GRACA

WORKFLOW ANALYSIS OF THE JUVENILE DIVERSION CASE MANAGEMENT SYSTEM (JDCMS) IN NEBRASKA.

$5000

2014

NASA mini-grant

ADAPTING A TELEMEDICINE DEVICE FOR IMPLEMENTATION IN SPACE FLIGHT.

$6000

2013

Presentations

MedInfo 2025
Taipei, Taiwan

Innovation at the Intersection of Health, Climate, Food, and AI: Insights from a Collaborative
Workshop
Aug. 9-12, 2025
- **Scott P. McGrath** PhD, Kathy Kim PhD

CIC 2024
Minneapolis, MN

Analyzing Patient Engagement in Remote Patient Monitoring: Insights from the ACTIVATE Project
May. 21-23, 2024
- **Scott P. McGrath** PhD, David Lindeman PhD

TTRN 2023
Berkeley, CA

Bridging the Digital Divide: ACTIVATE's Impact on Diabetes and Hypertension Management in Rural and
Agricultural Communities
Aug. 22-23, 2023
- Kathine Kim PhD, Juan Lopez-Solorza MD, Leslie Abasta-Cummings MPH, **Scott P. McGrath** PhD

MedInfo 2023
Sydney Australia

Remote Patient Monitoring: Promises and Challenges for Medically-Underserved Communities
Jul. 8-12, 2023
- Kathine Kim PhD, **Scott P. McGrath** PhD, Olivia Metcalf PhD, Misty Pacheco PhD

AMIA Annual Symposium
Washington DC

Working Remotely: Making Health Informatics Careers Work at a Distance
Nov. 5-9, 2022
- Kate Futlz Hollis MS, **Scott P. McGrath** PhD, Felix Holl PhD, Tiffany Leung PhD, Gretchen Jackson MD PhD

AMIA Annual Symposium
Washington DC

Implementing the ACTIVATE Digital Health Platform in Rural and Underserved Communities: A Mixed
Methods, Multi-site Case Study
Nov. 5-9, 2022
- Melissa Bruno MS, **Scott P. McGrath** PhD, Kathrine Kim PhD

AMIA Clinical Informatics Conference
Houston TX

ACTIVATE: Results of a Digital Health Pilot Program for Diabetes and Hypertension in an
Underserved and Rural Community
May 26, 2022
- Kathrine Kim PhD, **Scott P. McGrath** PhD, Juan Lopez Solorza MD, David Lindeman PhD

AMIA: For Your Informatics podcast
Online

Women in AMIA: Episode 16- Engaging the Now for the Future
Mar. 31, 2021
- Host: Maria Adela Grando, PhD; Guest; **Scott McGrath**, PhD

AMIA Virtual Informatics Summit
Virtual

Turn Right Here: A Journey through the Pathways of AMIA – Q & A Session for Students
March 23, 2021
- Moderators: Patricia C. Dykes, PhD, RN, FAAN, FACMI; Gretchen Purcell Jackson, MD, PhD, FACS, FACMI, FAMIA. Panelists: Mary Regina Boland, MA, MPhil, PhD, FAMIA; Adela Grando, PhD, MCS; Hope Gray, MTS, BCC; Saif Khairat, PhD, MPH, FAMIA; **Scott P. McGrath**, PhD

AMIA Virtual Informatics Summit
Virtual

Are We There Yet? Finding, Analyzing, and Using Better Information for Pandemics
March 22, 2021
- Moderator: Kate Fultz Holis MS, MBI. Panelists: Nick Tatonetti PhD; **Scott P. McGrath**, PhD; Karen A. Monsen, PhD, RN, FAMIA, FAAN; John Lauerman

TTRN-CITRIS International Summer Institute
Virtual

Precision Medicine and Direct-to-Consumer Genetic testing
August 25, 2020
- Day 2: Natural language processing and research with genomic and imaging data

AMIA 2019 Annual Symposium
Washington, DC

Improving the odds of success for precision medicine using the social ecological model
Nov. 18, 2019
- S24: Oral Presentations - Genetics for Patients

AMIA 2019 Educators Forum
St. Louis, MO

Current Approaches and Trends in Public Health Informatics Education
Jun. 19, 2019
- S12: Panel - Current Approaches and Trends in Public Health Informatics Education
- Panelists: Diane G. Schwartz MLS; **Scott P. McGrath**, MS; Karen A. Monsen, PhD, RN, FAMIA, FAAN; Brian E. Dixon, MPA, PhD, FACMI, FHIMSS

AMIA Informatics Summit 2019
San Francisco, CA

Interpretation and self-efficacy of DTC genetic tests by medical professionals
Mar. 27, 2019
- S33: Oral Presentations - Cancer and Genetics Informatics

AMIA 2017 Annual Symposium
DEVELOPING A CONCUSSION ASSESSMENT MHEALTH APP FOR CERTIFIED ATHLETIC TRAINERS
- Session 81: Design and Development of mHealth Applications

Washington, DC
Nov. 7, 2017

AMIA 2017 Annual Symposium
INTRODUCING ATCONNECT, A MHEALTH TELEHEALTH APP
- AMIA Consumer Health and Pervasive Informatics Working Group

Washington, DC
Nov. 5, 2017

UM School of Public Health & Community Services
TEXT MINING TWITTER WITH R

Missoula, MT
Apr. 14, 2017

AMIA 2016 Annual Symposium
IGNITE TALK: BUILDING TOWARDS PRECISION MEDICINE

Chicago, IL
Nov. 15, 2016

PKI Student Capstone & Research Conference
REQUIREMENTS CAPTURE FOR A MHEALTH MEDICINE APP TO SUPPORT CERTIFIED ATHLETIC TRAINERS

Omaha, NE
Apr. 29, 2016

Rural Futures Conference
EXTENDING CONCUSSION EVALUATIONS WITH TELEMEDICINE FOR CERTIFIED ATHLETIC TRAINING (UPDATE)
- Poster

Lincoln, NE
Oct. 21, 2015

International Conference on Brain Informatics and Health (BIH)
EXTENDING CONCUSSION EVALUATIONS WITH TELEMEDICINE FOR CERTIFIED ATHLETIC TRAINING
- Poster

London, UK
Aug. 31, 2015

Yeungnam University
DO WE NEED HONEST BROKERS FOR DTC GENETIC TEST RESULTS?
- Guest speaker

Gyeongsan, South Korea
May 13, 2015

PKI Student Capstone & Research Conference
HOW PERSONAL SHOULD PERSONAL GENOMICS BE?

Omaha, NE
Apr. 24, 2015

ACM Conference on Bioinformatics, Computational Biology, and Health Informatics (ACM BCB)
DTC GENETIC TESTING AND CONSUMER COMPREHENSION.
- Poster

Newport, CA
Sept. 20-23, 2014

ISS Research and Development Conference
RE-ENVISIONING STATPACK™ POSTER PRESENTATION AT ISS RESEARCH AND DEVELOPMENT
- Poster

Chicago, IL
Jun. 17, 2014

PKI Student Capstone & Research Conference
HOW PERSONAL SHOULD PERSONAL GENOMICS BE?

Omaha, NE
Apr. 25, 2014

Data Analysis Patterns in Software Engineering (DAPSE), International Conference on Software Engineering
CONCEPT TO COMMIT: A PATTERN DESIGNED TO TRACE CODE CHANGES FROM USER REQUESTS TO CHANGE IMPLEMENTATION BY ANALYZING MAILING LISTS AND CODE REPOSITORIES.

San Francisco, CA
May 18-26, 2013

International Symposium on Bioinformatics Research and Applications (ISBRA)
ALGORITHM BASED COLLECTION OF MOLECULAR SEQUENCE TARGETS FOR RAPID IDENTIFICATION OF MEDICALLY IMPORTANT NOCARDIA SPECIES

Dallas, TX
May 21-23, 2012

Professional Activities

- 2022-2024 AMIA Governance Committee member
- 2023 Expert reviewer for the Canada Foundation for Innovation - John R. Evans Leaders Fund
- 2022-2023 AMIA Governance Subcommittee Co-Chair (Working Groups)
- 2022 AMIA AI Showcase Scientific Program Committee member
- 2022 AMIA Clinical Informatics Conference Scientific Program Committee member
- 2022 - 2024 IMIA Section Co-Editor: Yearbook of Medical Informatics for the Bioinformatics and Translational Informatics
- 2021 AMIA Governance Task Force Member
- Executive Producer of the YouTube Channel The C19 Weekly: a show covering the latest COVID-19 research with 1200+ subscribers.
- IMIA Yearbook of Medical Informatics 2020 Program Committee: Consumer Health Informatics
- Chair: Translational Bioinformatics Year in Review paper selection committee, AMIA Informatics Summit 2020
- Senior Assistant Editor MedInfo 2019: 17th World Congress on Medical and Health Informatics
- 2019-2020 AMIA Student Working Group Chair-Elect
- Assistant Editor MedInfo2017: 16th World Congress on Medical and Health Informatics
- *Reviewing for Conferences*: ACM Conference on Bioinformatics, Computation Biology, and Health Informatics, International Conference on Computational Science, AMIA Annual Symposium, BIOSTEC: International joint Conference on Biomedical Engineering Systems and Technologies, and BILIS: International Workshop on High Performance Computing Systems for Biomedical, Bioinformatics and Life Sciences
- *Reviewing for Journals*: Molecular Genetics & Genomic Medicine, Briefings in Bioinformatics, Health Systems, Group Decisions & Negotiation, Science Translational Medicine, and International Journal of Molecular Sciences Health Systems, Frontiers in Genetics
- Curriculum development - University of Nebraska at Omaha, Biomedical Informatics: health informatics track.
- Curriculum development - Ohio University, Clinical Informatics graduate certificate program.

Skills

- Six Sigma: Yellow & Green belt specialization
- *Programming Languages/Tools*

  - LATEX
  - R
  - SAS WEBI
  - Python
  - Tableau

  - SQL
  - Java
  - Weka
  - SPSS
  - Madcap Flare

  - Blackboard course development
  - Canvas course development
  - Moodle course development
  - Brightspace course development

Certifications

EPIC	*Providence St. Joseph Health*
Credentialed Trainer: Inpatient Nursing	*December 2020*

EPIC	*Providence St. Joseph Health*
Credentialed Trainer: Inpatient Provider	*October 2020*

University System of Georgia	*Coursera*
Six Sigma Green Belt Specialization	*September 2018*

University System of Georgia	*Coursera*
Six Sigma Yellow Belt Specialization	*August 2018*

Johns Hopkins University	*Coursera*
R Programming	*April 2017*

University of Waikato	*WekaMOOC*
Data Mining with Weka	*June 2015*

University of Waikato	*WekaMOOC*
More Data Mining with Weka	*July 2015*

Projects Managed

Older LGBTQ+ State Survey (CA) *Multiple Partners*
PROGRAM MANAGER *May 2023 - July 2024*
CITRIS, Openhouse, and UCSF are collaborating to deliver the first of its kind statewide survey targeting older LGBTQ+ individuals in California. The survey is sponsored by the California Department of Aging

ACTIVATE *Multiple FQHCs*
PROGRAM MANAGER *March, 2021 - Ongoing*
CITRIS and University of California ACTIVATE pilot will enhance community health and serve as a roadmap for telehealth and remote health monitoring reforms

Translational Bioinformatics Year in Review paper selection committee *Virtual*
CHAIR *March, 2020 & 2021*
Recruitment of student volunteers and management of top paper selection and scoring for a translational bioinformatics Year in Review presentation by Dr. Nicholas Tatonetti of Columbia University for the 2020 & 2021 AMIA Informatics Summit

MedInfo 2019 manuscript review team *Lyon, France*
SENIOR ASSISTANT EDITOR *August, 2019*
Managed 44 assistant editors in preparing 586 accepted manuscripts into camera ready form

ATConnect *iOS & Android*
A MHEALTH TELEHEALTH CONCUSSION ASSESSMENT TOOL TO AID CERTIFIED ATHLETIC TRAINERS *July 2017*
v.0.1.2

JDCMS *UNO*
WORKFLOW ANALYSIS OF THE JUVENILE DIVERSION CASE MANAGEMENT SYSTEM IN NEBRASKA *July 2015*

Memberships

- 2015 - Present: American Medical Informatics Association (AMIA)