



Department of Medical Informatics and Clinical Epidemiology

Program in Biomedical Informatics

Twentieth Annual Commencement

June 7, 2020, 11:00

Schedule of Events

Welcome Address—William Hersh, M.D., Director, Biomedical Informatics Graduate Program

Vishnu Mohan, M.D., M.B.I., Director, OHSU Clinical Informatics Subspecialty Fellowship

Shannon McWeeney, Ph.D., Division Head, Bioinformatics and Computational Biomedicine

Presentation of the Class of 2020

Doctor of Philosophy in Biomedical Informatics

Christopher Jae Hoekstra, National Library
of Medicine Postdoctoral Fellow

*The impact of context on the use of infor-
mation systems to manage clinical quality*

Kristen Marie Stevens, National Library of
Medicine Predoctoral Fellow

*A reward system polygenic risk score for
predicting obesity and substance addiction*

Ryan Michael Swan, National Library of
Medicine Predoctoral Fellow

*Development of a network-based measure
of genetic risk and its application in preterm
birth and retinopathy of prematurity*

Master of Science in Bioinformatics and Computational Biomedicine

David Rath Ball

*VarGraph: a decision support tool for vari-
ant classification using pathway databases*

Megan Elena Grout

*Internship at Phase Genomics: Application
of Hi-C technology to novel genome assem-
bly and metagenomics annotation.*

*Internship at Spiral Genetics: Evaluating
HLA variant recovery with BioGraph tech-
nology*

Alfonso Miguel Poire

*Internship at J Craig Venter Institute: Prob-
ing molecular interactions in the nitrogen-
fixing cyanobacteria-feather moss symbiosis*

Benjamin Joseph Tate

*Internship at OHSU, Dept. of Dermatology:
Towards clustering of user-submitted mole
images*

Xiao Wang

*Internship at Omics Data Automation: Deep
learning-based analysis of histopathological
images of lung cancer*

Colleen Xu

*Internship at Omics Data Automation: Imple-
menting and extending an algorithm to infer
disease risk genes from multiomics data and
GWAS*

Daniel Boyd Yaeger, National Library of
Medicine Postdoctoral Fellow

*Internship at OHSU, Dept. of Medical Infor-
matics & Clinical Epidemiology: Challenges
and progress in applying machine learning to
the diagnosis of a rare disease*

Master of Science in Biomedical Informatics

Carter Hoffman

*Species level identification of the bladder
microbiome*

Benjamin Wilson Sanders, National Library of
Medicine Postdoctoral Fellow

*The informatics of early intervention referrals:
a national nested mixed methods study*

Master of Science in Health and Clinical Informatics

Abdulaziz Suliman A Alhomod

*Women's cancer screening decision aid for
Arabic-speaking women*

Carrie K Baker

*Internship at Kettering Health Network: Medi-
cal resident clinical informatics curriculum*

Dave R Boston

*Internship at OCHIN: Impact of patient demo-
graphic variables on the success of specialist
referral completion in the safety net*

Summer Eleanor Carrillo

*Internship at Oregon Health Authority: Early
hearing detection and intervention infor-
mation system*

Amelia Glatha Drace, OHSU Clinical
Informatics Subspecialty Fellow

*Inter-visit care in ambulatory clinics: a
qualitative analysis*

Coleman Hilton

*Implementing biomedical query mediation for
the Shriners Health Outcomes Network*

Adarsha Kattaya Ramegowda

*Evaluation of pain medication power plan
implementation in Cerner*

Master of Science in Health and Clinical Informatics (cont.)

Barry Marc Newman

Strategic alignment and effectiveness of governance in healthcare informatics

Jennifer Allen Pacheco

Electronic health record phenotyping to facilitate the categorization of genetic variants of uncertain significance

Nhat Minh Pham, OHSU Clinical Informatics Subspecialty Fellow

Internship at OHSU, Dept. of Medical Informatics & Clinical Epidemiology: The development of an informatics curriculum for quality improvement training in clinical settings

Ngoc Thy Bao Tran, OHSU Clinical Informatics Subspecialty Fellow

Development and validation of an image analysis method for quantifying CD138 immunohistochemical marker in plasma cell neoplasms

Master of Biomedical Informatics

Chelsea Amanda Guest

Oregon's alternate medical home: evaluating successes and challenges of creating an integrated care setting in Oregon's certified community behavioral health clinics

Christopher Andrew Hollweg

Data-driven mobile medical care program using the replicating effective programs framework

Colton David Hood

An analysis of the delivery of maritime telehealth

Thad Patrick Jarmon

A review of current literature that measures agreement between patient self-report data and a reference standard

Kyle Austin Marshall

Comparison of ordering tools in compliance with treatment protocols in the emergency department

Swetha Yenduru

Patient bridge—major step towards full interoperability

Graduate Certificate in Biomedical Informatics

Adam Christopher Dziorny

Sowjanya Gowrisankaran

Richard Robert Hammel

Abigail Elizabeth Huang

Tamara Porter Miller

Eric Matthew Puster

Brian H Tran, OHSU Clinical Informatics Subspecialty Fellow

Graduate Certificate in Health and Clinical Informatics

Robby Emile Atala

Nicole Caitlin Bowman

Ryan O'Connell

Sandeep Regmi

Valerie Lockhart Welch