RUTGERS HEALTH
Center for Biomedical Informatics and Health Artificial Intelligence
Institute for Health, Health Care Policy and Aging Research

Presents

Summer Internship
BMIHAI Mini Symposium
August 1st, 2025

ICPH Building | 225 Warren Street, Newark, NJ

Event Schedule

1:00-2:00
Lunch and Networking

2:00-2:10
Welcome Session with Antonina Mitrofanova

Associate Dean for Research, Rutgers School of Health Professions
BMIHAI Co-Lead

BMIHAI Student Internship Presentations

2:10-2:30
Jason Yang (Mentor), Jonah Simone (BS)
Reconstructing the Mycobacterium tuberculosis gene regulatory network
via deep learning

2:30-2:50
**Hyung Jin Ahn (Mentor), David Foran (Mentor), Veertegh
Minhas (BS)**
Leveraging AI-Driven Approaches to Investigate Cerebral Amyloid
Angiopathy and Vascular Dysfunction in Hereditary Cerebral Amyloid
Angiopathy Rat Model

2:50-3:10
Zhaomeng Niu (Mentor), Varun Vekaria (MS)
Developing and Testing an Immersive AR and AI-driven Application Aimed
at Enhancing Skin Cancer Prevention

3:10-3:30
Soha Saleh (Mentor), Pal Patel (MS)
Integrating EEG Decoding and Brain Stimulation using Machine Learning
for Personalization of Stroke Rehabilitation

3:30-3:50
Coffee and Cookie Break

3:50-4:10
Eleanna Kara (Mentor), Sunghoo Jung (BS)
Analysis of Biological Imaging and Gene Expression Data Through Novel
Pipelines in Python

4:10-4:30
**Rahul Mittal (Mentor), Branimir Ljubic (Mentor), Kashish
Vaish (MS)**
Predictive Modelling and AI Applications in Hypertension Management

4:30-4:45
**Michelle Chen (Mentor), Ashrarul Haq Sifat (Mentor), Jenil
Mahesh Gandhi (MS)**
Advanced Analysis of Transitional Keystroke Dynamics for Real-Time MS
Symptom Monitoring

4:45-5:00
Closing Remarks