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UMass Center for Clinical and Translational  
Science Research Symposium

2022 UMass Center for Clinical and  
Translational Science Research Symposium

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Jun 10th, 9:00 AM

## Agenda: UMCCTS Research Symposium 2022

UMass Center for Clinical and Translational Science

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**UMCCTS Research Symposium**  
**June 10, 2022 9:00 AM- 5:00 PM**

**Welcome and Opening Remarks-** Katherine Luzuriaga, MD

*COVID Research Topics:* Jeremy Luban, MD, Moderator

- 9:00-9:25 Sarah Forrester, PhD**, Assistant Professor, Population and Quantitative Health Sciences  
*Novel interventions in Uncertain Times*
- 9:25-9:50 Katherine Fitzgerald, PhD**, Professor, Medicine  
Novel Treatments
- 9:50-10:15 Doyle Ward, PhD**, Associate Professor, Microbiology and Physiological Systems  
*Genomic Surveillance of SARS-CoV-2 in Central Massachusetts*
- 10:15-10:40 Jeremy Luban, MD**, Professor, Program in Molecular Medicine  
*Origins of SARS-CoV-2 Variants*
- 10:40-11:00 Break**
- 11:00-11:25 Heidi Leftwich, DO**, Assistant Professor, Obstetrics and Gynecology  
*The COVID-19 Analysis on Perinatal Specimens Related to ExpoSure (CARES) Study*
- 11:25-11:50 Nicholas Reich PhD**, Professor, UMass Amherst, School of Public Health & Health Sciences  
*How Predictable is COVID-19? Insights from the COVID-19 Forecast Hub*
- 11:50-12:15 Chiara Ghezzi, PhD**, Assistant Professor, Associate Chair - Ph.D. Program  
**Bryan Buchholz, PhD**, Chair, Professor  
UMass Lowell, Biomedical Engineering  
Preclinical Testing
- 12:15-12:40 Apurv Soni MD, PhD**, Assistant Professor, Medicine  
Novel Approaches to Clinical Research and Implementation
- 12:40-1:00 Lunch Break**
- 1:00-2:45 Session on Learning Health System & Digital Health**  
**Organized by David D McManus, MD**, Chair and Professor, Medicine and **M. Diane McKee**, Chair and Professor, Family Medicine and Community Health- 15 min presentations followed by a panel discussion
- 1:00-1:15 Adrian Zai MD, PhD, MPH**, Associate Professor  
Overview of LHS- Digital Infrastructure, PDM, Practice-Based Research
- 1:15-1:30 Hong Yu, PhD**, Professor, Director, UMass Lowell  
*Center of Biomedical and Health Research in Data Sciences (CHORDS)*

- 1:30-1:45**      **Lara Kovell, MD**, Assistant Professor  
*Mobile Health in Peripartum Care: Easing the Burden for New Moms*
- 1:45-2:00**      **Alok Kapoor, MD**, Associate Professor  
*Support AF-IV: Supporting Use of AC through Provider Prompting about Oral Anticoagulation Therapy for AF Clinical Trial Study*
- 2:00-2:15**      **Stephanie Carreiro, MD**, Assistant Professor  
*Wearable Sensor-Based Digital Biomarkers of Opioid Use*
- 2:15-2:30**      **Apurv Soni, MD, PhD**, Assistant Professor  
*RADx: Findings About SARS-CoV-2 Testing from NIH-RADx Tech Digital Siteless Studies*
- 2:30-2:45**      **Panel Q&A Session-** Ben Gerber, MD, MPH
- 2:45-3:00**      *Break*
- 3:00-4:45**      **Session on** the Umass Chan Cancer Center: Translational Research and Clinical Trials  
**Organized by Michael Green MD, PhD**, Chair and Professor, Molecular, Cell and Cancer Biology and  
**Jonathan Gerber MD**, Professor, Medicine- 20 min talks and 5 min questions
- 3:00-3:25**      **Dohoon Kim, PhD**, Assistant Professor &  
*Exploiting the Metabolism of Cancer Cells as a Therapeutic Strategy*
- 3:25-3:50**      **Prabhani Atukorale, PhD**, Adjunct Assistant Professor  
*Engineering Innate Immunomodulatory Nanotechnologies to Reprogram Tumor Immunity*
- 3:50-4:15**      **Lucio Castilla, PhD**, Professor  
*Developing Targeted Therapies for Acute Myeloid Leukemia*
- 4:15-4:40**      **Craig Ceol, PhD**, Assistant Professor  
*The BMP Ligand GDF6 as a Novel Target in Melanoma and Other BMP-Driven Diseases*
- Closing Remarks-** Katherine Luzuriaga, MD