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

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

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<th>Time</th>
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| 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