



# Toward a Minnesota Organoid Center

University of Minnesota – Mayo Clinic Symposium and Workshop

MONDAY | April 8, 2024

University of Minnesota, Cancer and Cardiovascular Research Building (CCRB)

2231 6<sup>th</sup> Street SE, Minneapolis, MN 55455

|          |  |   |
|----------|--|---|
| 8:00 am  | <b>BREAKFAST</b>   | CCRB Atrium Café  |
| 9:00 am  | <b>Opening Remarks from the Meeting Chairs</b><br><i>Brenda Ogle, Ph.D. (UMN) and Chuck Howe, Ph.D. (Mayo)</i>   | Seminar Room: 1-125 CCRB  |
| 9:15 am  | <b>Session 1: Building Organoids for Discovery and Development of Advanced Diagnostic Platforms</b><br><i>Session Chairs: John Bischof, Ph.D. (UMN), Y.S. Prakash, M.D., Ph.D. (Mayo)</i>  |   |
| 9:15 am  | <b>UMN Manufacturing Capabilities Relevant to Organoid Development and Distribution</b><br><i>Dave McKenna, M.D. (UMN)</i>   |   |
| 9:35 am  | <b>Mayo Manufacturing Capabilities Relevant to Organoid Development and Distribution</b><br><i>Takahisa Kanekyo, M.D., Ph.D. (Mayo)</i>  |   |
| 9:55 am  | <b>Blood-Brain Barrier Organoids</b><br><i>Samira Azarin, Ph.D. (UMN)</i>  |   |
| 10:15 am | <b>Intestinal Organoids</b><br><i>Brooke Druliner, Ph.D. (Mayo)</i>  |   |
| 10:35 am | <b>Hepatic Organoids</b><br><i>Greg Gores, M.D. (Mayo)</i>   |   |
| 10:55 am | <b>Enteric Nervous System Organoids</b><br><i>Art Beyder, M.D., Ph.D. (Mayo)</i>   |   |
| 11:30    | <b>LUNCH</b>   | Atrium Café and 1-101 MRF   |
| 11:30 am | <b>WORKSHOP 1 and Lunch (Team Leads)</b><br><b>How do we accelerate development, standardization, and QC for organoid-based research/translation?</b><br><b>How do we orchestrate and align funding efforts?</b><br><i>Moderator: Dave McKenna, M.D. (UMN)</i>                               | Seminar Room: 2-201 CMRR  |
| 1:00 pm  | <b>Session 2: Translating Organoids into Patient Care</b><br><i>Session Chairs: Brooke Druliner, Ph.D. (Mayo), James Dutton, Ph.D. (UMN)</i>   | Seminar Room: 1-125 CCRB  |
| 1:00 pm  | <b>Human iPSC Haplobanking</b><br><i>James Dutton, Ph.D. (UMN), John Wagner, M.D. (UMN)</i>  |   |
| 1:30 pm  | <b>Pancreatic Islet Organoids</b><br><i>Quinn Peterson, Ph.D. (Mayo), Erik Finger, M.D., Ph.D. (UMN)</i>   |   |
| 2:00 pm  | <b>Clinical Grade iPSCs for Allogeneic Cell Replacement in the Retina</b><br><i>Alan Marmorstein, Ph.D. (Mayo)</i>   |   |
| 2:20 pm  | <b>Clinical Grade iPSCs for Autologous Cell Replacement in the Heart</b><br><i>Tim Nelson, M.D., Ph.D. (Mayo)</i>  |   |
| 2:40 pm  | <b>BREAK with refreshments</b>   |   |
| 3:00 pm  | <b>WORKSHOP 2 (Team Leads)</b><br><b>How do we accelerate clinical realization of organoid-based therapies and platforms?</b><br><b>How do we orchestrate and align funding efforts?</b><br><i>Moderators: Chuck Howe, Ph.D. (Mayo), Brenda Ogle, Ph.D. (UMN),</i>                           | Seminar Room: 1-125 CCRB  |
| 4:00 pm  | <b>Poster Session</b><br><i>Sue Keirstead, Ph.D. (UMN)</i>   | CCRB Atrium   |
| 5:00 pm  | <b>Social Hour, Poster Awards, Dinner</b>  | McNamara Alumni Center, Johnson Room, 200 SE Oak St, Mpls, MN 55455 |
| 6:30 pm  | <b>Keynote Speaker:</b><br><b>Valeria Canto-Soler, Ph.D.,</b> <i>Doni Solich Family Chair in Ocular Stem Cell Research</i><br><i>Director of CellSight - Ocular Stem Cell and Regeneration Program,</i><br><i>Associate Professor - Department of Ophthalmology   University of Colorado</i> |   |