<table>
<thead>
<tr>
<th>Time</th>
<th>Event/Presenter</th>
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<tr>
<td>8:00 am</td>
<td>Registration and Continental Breakfast</td>
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| 8:20 am – 8:30 am | Anil K. Rustgi, MD  
T. Grier Miller Professor of Medicine and Genetics  
Chief, Division of Gastroenterology  
Director, Center for Molecular Studies in Digestive and Liver Diseases  
University of Pennsylvania Perelman School of Medicine |
| 8:30 am - 9:15 am | Calvin Kuo, MD, PhD  
Professor of Medicine and Chemical and Systems Biology  
Co-Lead, Cancer Biology Program, Stanford Cancer Center  
Vice Chair of Basic and Translational Research  
Stanford University, Department of Medicine |
| 9:15 am - 9:45 am | F. Brad Johnson, MD, PhD  
Associate Professor of Pathology and Laboratory Medicine  
University of Pennsylvania Perelman School of Medicine  
“Telomere biology in the intestinal stem cell niche” |
| 9:45 am - 10:15 am | Chris Lengner, PhD  
Assistant Professor, Department of Biomedical Sciences, School of Veterinary Medicine  
University of Pennsylvania Perelman School of Medicine  
“Modeling dyskeratosis congenital in human intestinal organotypic cultures” |
| 10:15 am - 10:45 am | Break |
| 10:45 am - 11:30 am | Meritxell Huch, PhD  
Group Leader, Stem Cells and Tissue Regeneration Laboratory  
Sir Henry Dale Wellcome Trust Fellow  
The Gurdon Institute, University of Cambridge  
“Adult stem cell derived hepatic organoids to model human liver disease” |
| 11:30 am - 12:15 pm | Qiao Zhou, PhD  
Assistant Professor, Department of Stem Cell and Regenerative Biology  
Harvard University  
“Reprogram gastric tissues to functional insulin-secreting cells” |
| 12:15 pm - 2:00 pm | Lunch and Poster Session |
| 2:00 pm - 2:45 pm | Eugene B. Chang, MD  
Martin Boyer Professor of Medicine  
Associate Section Chief for Research  
The University of Chicago  
“Can organoid technologies advance the study of human and experimental IBD?” |
| 2:45 pm - 3:05 pm | Jungsun Kim, PhD  
Research Associate  
University of Pennsylvania Perelman School of Medicine  
“Cell reprogramming to understand and predict human pancreatic cancer” |
| 3:05 pm - 3:25 pm | Michal Shoshkes-Carmel, MSc, PhD  
Postdoctoral Fellow  
University of Pennsylvania Perelman School of Medicine  
“Growing intestinal organoids without R-spondin – the fuction of sub-epithelial Foxl1 expressing telocytes” |
| 3:30 pm | Adjourn |
| 3:30 pm - 5:00 pm | Technical Workshop on 3D Organoids  
Kathryn Hamilton, PhD, Kelly Whelan, PhD, Veronique Giroux, PhD and Sarah Andres, PhD |

Register online at: [http://www.med.upenn.edu/molecular/CenterSymposiums.shtml](http://www.med.upenn.edu/molecular/CenterSymposiums.shtml)

Information about the Center for Molecular Studies in Digestive and Liver Diseases and the Division of Gastroenterology can be found at: