### Day 1: Thursday, January 21, 2021

#### 7:00-7:10 AM
**Welcome and Introductions**  
Mark Humayun, MD, PhD, USC  
**Opening Remarks**  
USC President Carol L. Folt, PhD

#### Session 1: Photopolymers and Drug Delivery

**7:10-8:20 AM**  
**Session 1: Live Group Discussions of Pre-Recorded Talks**  
Moderator, Mark Humayun, MD, PhD, USC  
- **Plenary: The Role of the Physician**  
  Dan Schwartz, MD, UCSF & Caltech  
- **Polymeric Approaches to Drug Delivery in the Eye**  
  Justin Hanes, PhD, Johns Hopkins  
- **Ophthalmic Molecular Therapeutics Delivered via Nanoscale Systems and Devices**  
  Nicos Petasis, PhD, USC  
- **Nanotechnologies for Ocular Drug Delivery**  
  Erin Lavik, MS, ScD, UMBC  
- **Omics for Ophthalmology**  
  Stan Louie, PharmD, USC

#### 8:20-8:30 AM
**Break**

#### Session 2: Bioelectronic Implants

**8:30-9:40 AM**  
**Session 2: Live Group Discussions of Pre-Recorded Talks**  
Moderator, Mark Humayun, MD, PhD, USC  
- **Ginsburg Keynote Lecture and Award: bio-MEMS for Ophthalmology**  
  Yu-Chong Tai, PhD, Caltech  
- **Data Transfer to Implants and Wearables**  
  Manuel Monge, MS, PhD, USC  
- **Retinal Responses to Electrical Stimulation**  
  James Weiland, PhD, UMich  
- **Bioelectronic Color Vision**  
  Lan Yue, PhD, USC  
- **Treating Blindness at the Nanoscale: Nanotechnologies as Treatments for Retinal Blindness**  
  Marco Zarbin, MD, PhD, Rutgers

#### 9:40-10:40 AM
**Poster Session Break Out Rooms**

#### 10:40-11:10 AM
**Discussion of Session 1 and Session 2 Highlights**

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#### Day 2: Friday, January 22, 2021

#### 7:00-7:10 AM
**Welcome and Introductions**  
Mark Humayun, MD, PhD, USC  
**Opening Remarks**  
Charles F. Zukoski, PhD, USC Provost and Senior Vice President for Academic Affairs

#### Session 3: Wearable Electronics and Data Analysis

**7:10-8:20 AM**  
**Session 3: Live Group Discussions of Pre-Recorded Talks**  
Moderator, Mark Humayun, MD, PhD, USC  
- **Plenary: Epigenetic Changes in Retina in Response to Electrical Stimulation**  
  Gianluca Lazzi, PhD, MBA, USC  
- **Electromagnetic Fields at the Retina from Implantable and Wearable Electronics**  
  Shrikanth Narayanan, MS, PhD, USC  
- **Artificial Intelligence Application to Medical Devices**  
  Qifa Zhou, PhD, USC  
- **Bioelectronic Ultrasound**  
  Mikhail Shapiro, PhD, Caltech  
- **Wearable Data Acquisition and Analysis for Health Applications**  
  Cyrus Shahabi, MS, PhD, USC

#### 8:20-8:30 AM
**Break**

#### Session 4: Bioengineered Scaffolds

**8:30-9:40 AM**  
**Session 4: Live Group Discussions of Pre-Recorded Talks**  
Moderator, Mark Humayun, MD, PhD, USC  
- **Autologous IPS Cell Therapy for Macular Degeneration: From Bench-to-Bedside**  
  Kapil Bharti, MD, PhD, NIH, NEI  
- **Clinical Implementation of an Ultrathin Stem-Cell Derived RPE Monolayer in Phase 1/2a Clinical Trial for Geographic Atrophy**  
  Amir H. Kashani, MD, PhD, Johns Hopkins  
- **Femtosecond Laser-Assisted in-situ Retinamileiusis (FLAIR) for Cone Photoreceptor Sheet Transplantation**  
  Raymond Iezzi, Jr., MD, Mayo Clinic

#### 9:40-10:40 AM
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#### 10:40-11:10 AM
**Presentation of Ginsburg Award for Lifetime Achievement**
**Presentation of Ginsburg Award for Best Student Paper**

#### 10:50-11:20 AM
**Discussion of Session 3 and Session 4 Highlights**

#### 11:20-11:30 AM
**Symposium Evaluation**

#### 11:30 AM
**Adjourn**

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**Note: All times are Pacific Standard Time**

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**11:30AM - 12:30PM**

**Closed Session with funding agency representatives to discuss highlights**