



PRE-MEETING WORKSHOP

COMING OF AGE:
STEM CELL THERAPIES
FROM BENCH TO CLINIC
MAY 15, 2022



COMING OF AGE: STEM CELL THERAPIES FROM BENCH TO CLINIC

SUNDAY, MAY 15, 2022

All times listed below ET

Planned by the Stem Cell Committee

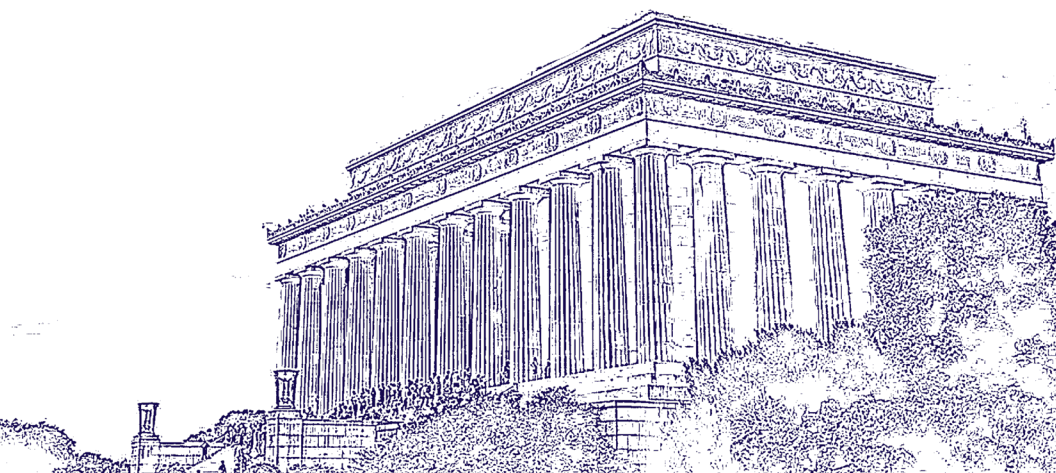
Co-chairs: Tony Ho, MD

Graca Almeida-Porada, MD, PhD

Description

Curative stem cell therapies have been a dream for many researchers in the field. In the past 20–30 years, the convergence of several technologies finally made this a reality in the clinic. This included understanding stem cell populations, stem cell niches, ES, IPS technologies, and differentiation cocktails. The advent of editing technologies, such as CRISPR, further turbo-charged the field.

We are no longer confined to the design of nature and are now able to build synthetic biology on top of nature's design and make synthetic and immune evasive stem cells. In this workshop, we would like to discuss the latest advances in basic stem cell science and also highlight the latest advances in stem cell therapeutics.





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Schedule

All times listed below ET

8:00–8:25 AM

Development of Dual HDR Edited EngTreg for T1D Therapy

David Rawlings, MD, University of Washington

8:25–8:50 AM

Immune Evasive Cells

Ron Evans, PhD, The Salk Institute

8:50–9:15 AM

Using RBC to Deliver mRNAs

Ionita Giran, MD, Beth Israel Deaconess Medical Center

9:15–9:40 AM

Bioengineered Enucleated Stem Cells for Therapeutic Delivery

Richard Klemke, PhD, UC San Diego

9:40–10:05 AM

CRISPR Edited Islet Cells

Ali Rezaei, PhD, CRISPR Therapeutics, MA

10:05–10:30 AM

Liver Stem Cells

Lola Reid, PhD, UNC School of Medicine



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10:45–11:10 AM

MSCs for OI Clinical Trial in Europe

Cecilia Gotherstrom, PhD, Karolinska Institutet

11:10–11:35 AM

NK Cells

Yu-Waye Chu, MD, Fate Therapeutics

11:35 AM–12:00 PM

Panel Discussion