

INAUGURAL  
ANN KIMBALL AND JOHN W.

# JOHNSON CENTER FOR CELLULAR THERAPEUTICS SYMPOSIUM

**MAY 12, 2023** | 8:45 A.M. – 4:30 P.M.

Houston Methodist Research Institute  
6670 Bertner, 2<sup>nd</sup> Floor, John F. Bookout Auditorium (R2-306)

## AGENDA

- 8 a.m. **Registration and Breakfast Reception**
- 8:45 a.m. **Welcome Remarks**  
H. Dirk Sostman, MD, FACR, Houston Methodist
- 8:55 a.m. **Introduction of Keynote Speaker**  
Stanley H. Appel, MD, Houston Methodist
- 9 a.m. **Keynote Speaker**  
**Targeting Regulatory T cells In Treating Cancer and Autoimmune Disease**  
Shimon Sakaguchi, MD, PhD, University Distinguished Professor, Osaka University, Japan
- 10 a.m. **How mRNA will Transform Cell Therapies**  
John P. Cooke, MD, PhD, Houston Methodist
- 10:20 a.m. **Programming Engineered Cell Therapies with Genetic Control Systems**  
Laura Segatori, PhD, Rice University
- 10:40 a.m. **Telomerase mRNA Enhances Human Skin Engraftment for Wound Healing**  
David F. Chang, PhD, Houston Methodist
- 10:50 a.m. Break
- 11:10 a.m. **Mesenchymal Stem Cell Treatments for Musculoskeletal Conditions**  
Patrick C. McCulloch, MD, Houston Methodist
- 11:35 a.m. **Bioengineering Cell-Derived Therapies for Musculoskeletal Applications**  
Francesca Taraballi, PhD, Houston Methodist
- Noon **Lunch**

# AGENDA

- 1 p.m. **Cell Therapy in Surgery and Transplantation**  
Osama Gaber, MD, FACS, FAST, Houston Methodist
- 1:25 p.m. **Development of Tissue Engineered Human Disease Models for Evaluation of Cell Based Therapies and Drugs**  
Joan Nichols, PhD, Houston Methodist
- 1:50 p.m. Break
- 2:10 p.m. **Cellular Therapy for Cancers - Past, Present and Future**  
Sai Ravi Kiran Pingali, MD, Houston Methodist
- 3 p.m. **Novel Treg-Modulating Immunotherapy in ALS**  
Stanley H. Appel, MD, Houston Methodist
- 3:30 p.m. **Regulatory T cells as a novel Therapeutic Target in Alzheimer's Disease**  
Alireza Faridar, MD, Houston Methodist
- 3:50 p.m. **Panel Discussion**  
Stanley H. Appel, MD  
John Cooke, MD, PhD  
Osama Gaber, MD, FACS, FAST  
Patrick C. McCulloch, MD  
Sai Ravi Kiran Pingali, MD
- 4:30 p.m. **Event Concludes**



Keynote Speaker:

## Shimon Sakaguchi, MD, PhD

*Targeting Regulatory T cells In Treating Cancer and Autoimmune Disease*

University Distinguished Professor  
Osaka University, Japan

# FEATURED SPEAKERS



### Stanley H. Appel, MD

*Novel Treg-Modulating Immunotherapy in ALS*

CENTER DIRECTOR  
Director, Ann Kimball & John W. Johnson Center for Cellular Therapeutics  
Peggy & Gary Edwards Distinguished Chair in ALS Research  
Houston Methodist Research Institute  
Director, MDA/ALSA ALS Research and Clinical Center  
Professor of Neurology, Stanley H. Appel Department of Neurology  
Houston Methodist Neurological Institute



### Osama Gaber, MD, FACS, FAST

*Cell Therapy in Surgery and Transplantation*

John F., Jr. and Carolyn Bookout Presidential Distinguished Chair in Surgery  
Chair, Department of Surgery  
Professor of Surgery, Academic Institute  
Program Director, Transplant Surgery Fellowship,  
Department of Surgery  
Houston Methodist



### Laura Segatori, PhD

*Programming Engineered Cell Therapies with Genetic Control Systems*

Professor  
Department of Bioengineering  
Department of Chemical and Biomolecular Engineering  
Department of Biosciences  
Rice University



### David F. Chang, PhD

*Telomerase mRNA Enhances Human Skin*

*Engraftment for Wound Healing*  
Research Associate  
Houston Methodist



### Patrick C. McCulloch, MD

*Mesenchymal Stem Cell Treatments for Musculoskeletal Conditions*

John S. Dunn Chair in Orthopedic Surgery  
Department of Orthopedic Surgery  
Professor of Clinical Orthopedic Surgery  
Houston Methodist



### H. Dirk Sostman, MD, FACR

President and Emeritus Professor of Radiology, Academic Institute  
Distinguished Member, Research Institute  
Ernest Cockrell, Jr. Presidential Distinguished Chair,  
Houston Methodist



### John P. Cooke, MD, PhD

*How mRNA will Transform Cell Therapies*

PROGRAM DIRECTOR  
Joseph C. Walter and Carole Walter Looke Presidential Distinguished Chair  
Professor and Chair, Department of Cardiovascular Science  
Director, Center for Cardiovascular Regeneration  
Medical Director, Center for RNA Therapeutics  
Chief Translational Officer, Houston Methodist Academic Institute



### Joan Nichols, PhD

*Development of Tissue Engineered Human*

*Disease Models for Evaluation of Cell Based Therapies and Drugs*  
Dr. and Mrs. Alan L. Kaplan Centennial Professor in Cellular Therapeutics and Organ Bioengineering, Department of Surgery  
Professor of Immunology in Surgery, Academic Institute  
Houston Methodist



### Francesca Taraballi, PhD

*Bioengineering Cell-derived Therapies for Musculoskeletal Applications*

Director, Center for Musculoskeletal Regeneration  
Assistant Professor of Orthopedic Surgery  
Houston Methodist



### Alireza Faridar, MD

*Regulatory T cells as a Novel Therapeutic*

*Target in Alzheimer's Disease*  
Cognitive Neurology and Neuroimaging  
Nantz National Alzheimer Center  
Assistant Professor of Clinical Neurology  
Stanley H. Appel Department of Neurology  
Houston Methodist



### Sai Ravi Kiran Pingali, MD

*Cellular Therapy for Cancers - Past, Present and Future*

Associate Professor of Clinical Medicine  
Houston Methodist