

	Key Question #4: What are the effects of aging (and other risk factors) on the functionality of progenitor cells and their cellular targets, and what are the implications on therapeutic strategies designed to enhance myocardial function and collateral development? <i>Moderators: James E. Faber, PhD and Michael Simons, MD</i>	10:15 AM	Questions & Answers
		10:20 AM	Break
		10:40 AM	Mouse-to-Mouse Variation in Pre-Existing Collaterals: Implications for Experimental Approaches to Evaluate Therapeutic Efficacy <i>Mary Susan Burnett, PhD</i>
8:00 AM	Aging by Epigenetics – A Consequence of Chromatin Damage and Implications for Target Cell Responsiveness to Therapeutic Interventions <i>John Sedivy, PhD</i>	11:10 AM	Questions & Answers
8:30 AM	Questions & Answers	11:15 AM	Expert Panel Discussion for Key Questions #4 and #5 <i>Moderators: K. L. March, M. S. Penn</i> <i>Panelists: M. S. Burnett, S. E. Epstein, J. E. Faber, F. J. Giordano, R. L. Jirtle, L. E. Niklason, J. Sedivy, M. Simons</i>
8:35 AM	The Effects of Aging on Pre-Existing Collateral Phenotype and Tissue Responsiveness to Angiogenic Intervention: Relevant Mechanisms and Implications to Human Therapeutics <i>Stephen E. Epstein, MD</i>	11:45 AM	Cell Therapy Foundation: From Advancing Awareness to Accelerating Trial Enrollment <i>Ann Myers</i>
9:05 AM	Questions & Answers	11:55 AM	Questions & Answers
	Key Question #5: What do the genetic, molecular, and hemodynamic determinants of collaterogenesis tell us about future strategies to enhance collateral function in patients? <i>Genetic, Molecular, and Hemodynamic Determinants of Collateral Development</i>	12:00 PM	Lunch & Visit the Exhibits
9:10 AM	The Genetic Determinants of Hindlimb and Cerebral Collateral Phenotype and Function <i>James E. Faber, PhD</i>		Key Question #6: Do we know from existing studies that cell therapy improves myocardial function and/or collateral function, and what is the short and long-term outlook for a cell-based therapeutic strategy? <i>Cell Therapy for Myocardial Repair and for Collaterogenesis: Randomized Clinical Trials</i> <i>Moderators: Stephen E. Epstein, MD and Timothy D. Henry, MD</i>
9:40 AM	Questions & Answers	1:00 PM	Where are we and What are the Clinical Studies In Progress that Will Get us Where we Want to Go? <i>Robert D. Simari, MD</i>
9:45 AM	The Genetics Determining the Robustness of Collaterogenesis in Animals and Humans <i>Michael Simons, MD</i>		

- 1:20 PM Questions & Answers
- 1:30 PM Where are we and What is the Future:
A Critique
Stephen E. Epstein, MD
- 1:50 PM Questions & Answers
- 2:00 PM Expert Panel Discussion for
Key Question #6
Moderators: S. E. Epstein, T. D. Henry
- Panelists: M. Flugelman, S. P. Janssens, D.
W. Losordo, K. L. March, M. S. Penn, E. C.
Perin, R. D. Simari,
M. Simons,*
- 3:30 PM Adjourn