



## ISCT 2019 Abstract Categories

*In all abstract categories, Basic/Pre-Clinical/Clinical abstracts are encouraged.*

<p><b>Mesenchymal Stem/Stromal Cells</b></p> <ul style="list-style-type: none"> <li>• Basic biology and characterization of tissue-specific MSCs (Omics-based methods, functional assays, genetic approaches, etc.)</li> <li>• Novel methodologies for cell/tissue processing and large-scale manufacturing</li> <li>• Translational and clinical applications of MSCs</li> <li>• Role of MSCs and the MSC niche in disease progression (cancer, hematological diseases, etc.)</li> </ul>
<p><b>Hematopoietic Stem Cells</b></p> <ul style="list-style-type: none"> <li>• Stem cell mobilization and collection</li> <li>• Novel Hematopoietic cell and tissue processing</li> <li>• Enhancing conditioning for transplantation</li> <li>• Novel Hematopoietic stem cell characterization (markers, functional assays, proteomics, genomics, etc.)</li> <li>• Enhancing cell engraftment and persistence</li> <li>• Cord Blood</li> </ul>
<p><b>Engineered Stem Cell Products</b></p> <ul style="list-style-type: none"> <li>• iPS Cells</li> <li>• ES Cells</li> <li>• Tissue-specific Stem Cells</li> <li>• Stem Cell Plasticity</li> </ul>
<p><b>Immunotherapy</b></p> <ul style="list-style-type: none"> <li>• Antigen presenting cells</li> <li>• T cell therapy in cancer</li> <li>• T cell therapy in infectious disease</li> <li>• Innate immunotherapy (NK/NKT/CIK etc) cells and cell therapy</li> <li>• Immune modulation for autoimmunity and alloimmunity –Treg / MDSC / MSC / ToIDC etc</li> </ul>
<p><b>Exosomes</b></p>
<p><b>Oncolytic Viruses/Vaccines</b></p>
<p><b>Gene Therapy</b></p> <ul style="list-style-type: none"> <li>• Retro</li> <li>• Lenti</li> <li>• Non-viral</li> <li>• AAV</li> <li>• Genetic modification</li> </ul>
<p><b>Tissue Engineering</b></p> <ul style="list-style-type: none"> <li>• 3D Scaffolds (including 3D bioprinting) for Cell and Tissue generation</li> <li>• Engineered organs and tissues</li> <li>• Smart surfaces</li> </ul>

**Solid Organ Targeted Therapy – Pre-Clinical/Clinical Studies**

- Cardiovascular Repair and Regeneration
- CNS Repair & Regeneration
- Pulmonary Repair & Regeneration
- Musculoskeletal Repair & Regeneration (Bone, Cartilage, Muscle, Other)
- Dental Repair & Regeneration
- Ocular tissues Repair & Regeneration (Corneal / limbal stem cells, Retinal stem cells, Other)
- GI, Liver, Renal Repair and Regeneration

**Process Development and Facility Operations**

- Technology transfer, intellectual property, commercialization
- Clinical process development and validation
- Obtaining and validating ancillary products, equipment
- Potency Assays
- Biomarkers, Immune Assessment, correlative studies
- Cell tracking
- Facility Design
- Facility Operations
- Supply Chain Logistics
- Cost of Goods

**Regulatory Affairs and Quality Systems**

- Regulatory inspections, reporting & submissions (ex. INDs, BLAs)
- Compliance
- Accreditation (JACIE/FACT, etc.)
- Legal aspects including consent and liability
- Policy development and implementation
- Ethical issues in cellular therapy
- QC (proficiency testing, release testing)
- QA/QM Quality Management (training & competency; monitoring and auditing; CAPA, investigations & deviation management; Validations, verifications, qualifications, etc.)