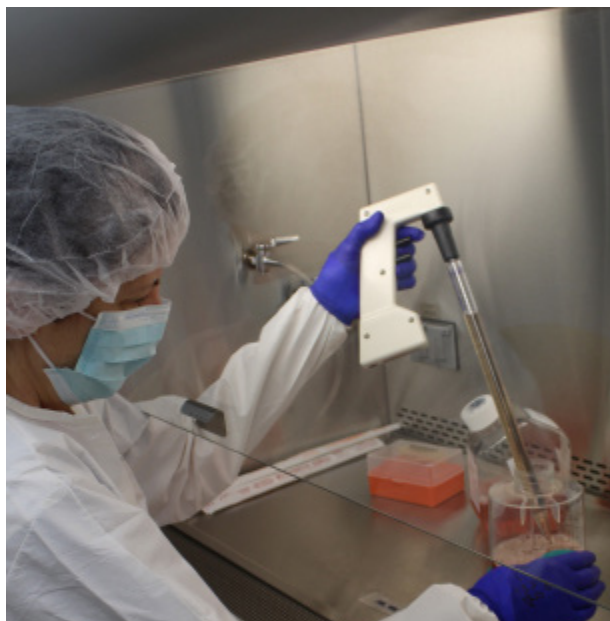




CCT is an FDA registered cGMP level facility.

CCT has met the most rigorous standards in the aspect of processing of cells. We are accredited for more than minimal manipulation of cellular products.



“CCT engages the top clinical investigators with innovative ideas for personalized medicine.”

—Satish Nadig, M.D., Ph.D.

TRANSLATING BASIC SCIENCE INTO CLINICAL PROGRAMS

- » Mesenchymal Stromal Cells (MSC): CCT validated the expansion of MSCs for multiple clinical trials.

MSC derived from Bone Marrow
Chronic Pancreatitis: PI Wang

MSC derived from Umbilical Cord
Tissue Lupus: PI Gilkeson/Kamen

MSC derived from Adipose Tissue
Diabetes: PI Wang

- » Blood and Bone Marrow Transplant: CD34+ Selection for GVHD: PI Chhabra
- » Dendritic Cell Vaccination for Pancreatic Cancer: CCT has completed two clinical trials involving dendritic cell vaccination.
- » T Cell Immunotherapy: CCT validated the expansion of retrovirally transduced T cells for adoptive T cell therapy.



“The CCT serves as a resource for translational research protocols and clinical programs.”

— Hongjun Wang, Ph.D.

SERVICES

We offer customizable services including isolation and purification of cellular products for research and clinical purposes. Our capabilities range from immunomonitoring of patient samples to manufacturing of cellular products for immunotherapy.

EQUIPMENT

- »» COBE 2991 Cell Processor
- »» CliniMACS Cell Separator
- »» WAVE Bioreactor Cell Expander
- »» Islet isolation and perfusion system
- »» Accuri C6 Flow Cytometer
- »» Luminometer
- »» Vapor phase liquid nitrogen storage freezer
- »» Tissue Culture CO₂ Incubators
- »» Autoclave

STANDARDS OF CARE



AUTOLOGOUS ISLET TRANSPLANT (AIT) FOR CHRONIC PANCREATITIS

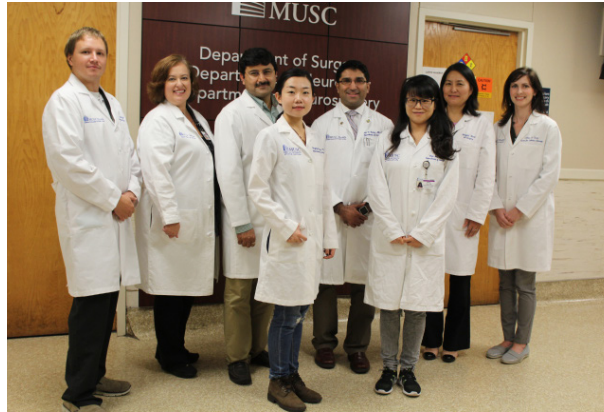
CCT completed more than 160 successful AITs since 2009 making it the second largest facility in the U.S.



CD34+ SELECTION FOR SEVERE COMBINED IMMUNODICIENCY (SCID)

CCT collaborates with Pediatric Hematology / Oncology and Clinical Stem Cell Labs.

MEET OUR TEAM



We strive to transform complex insights into innovative cellular therapies. We provide access to highly trained and dedicated staff with expertise in all aspects of cellular therapy and cGmp phase I/II clinical trials. In addition to technical experience we have extensive QA/QC knowledge to secure FDA compliance during the development of each cellular product.

CONTACT Us

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email: nadign@musc.edu

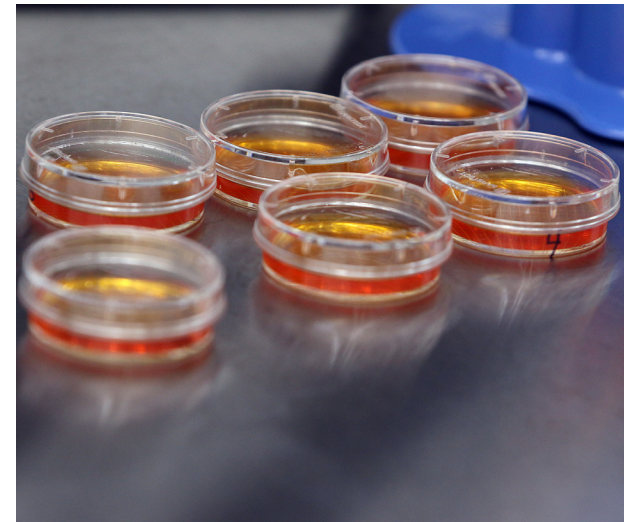
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CENTER FOR CELLULAR THERAPY

MEDICAL UNIVERSITY OF SOUTH CAROLINA
DEPARTMENT OF SURGERY



ABOUT Us

The CCT facility has three cGMP level clean room suites that are certified ISO 14644-1 compliant Class 6 manufacturing rooms.

We are located on the MUSC Campus in the Clinical Science Building Room 217, on Jonathan Lucas Street in Charleston, South Carolina.

