



Snapshot

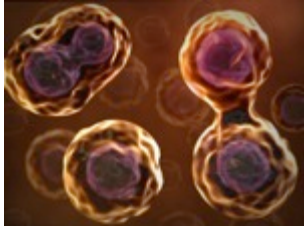
- Six Year CRC
- \$54M total budget
- \$20M Commonwealth
- 15 Partners

....making cell therapies affordable and accessible

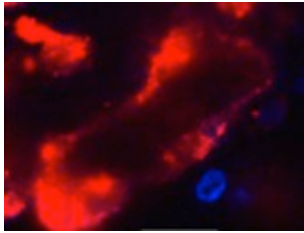


making cell therapy affordable and accessible

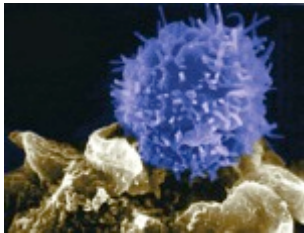
Cells - the stars of tomorrow



MSCs
(Repair)



EPC
(Blood vessels)



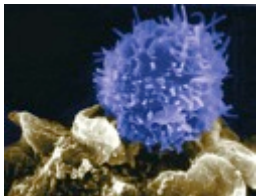
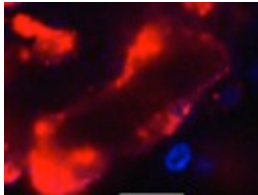
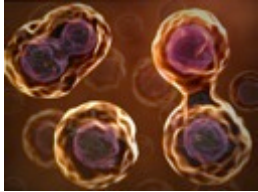
Tregs
(Immune)

- Cardiovascular diseases
- Orthopaedic defects
- Autoimmune conditions
- Neurology
- Dermatology
- Oncology
- Organ transplants

Turn management into cure

making cell therapy affordable and accessible

New Cells – “Old” Challenges



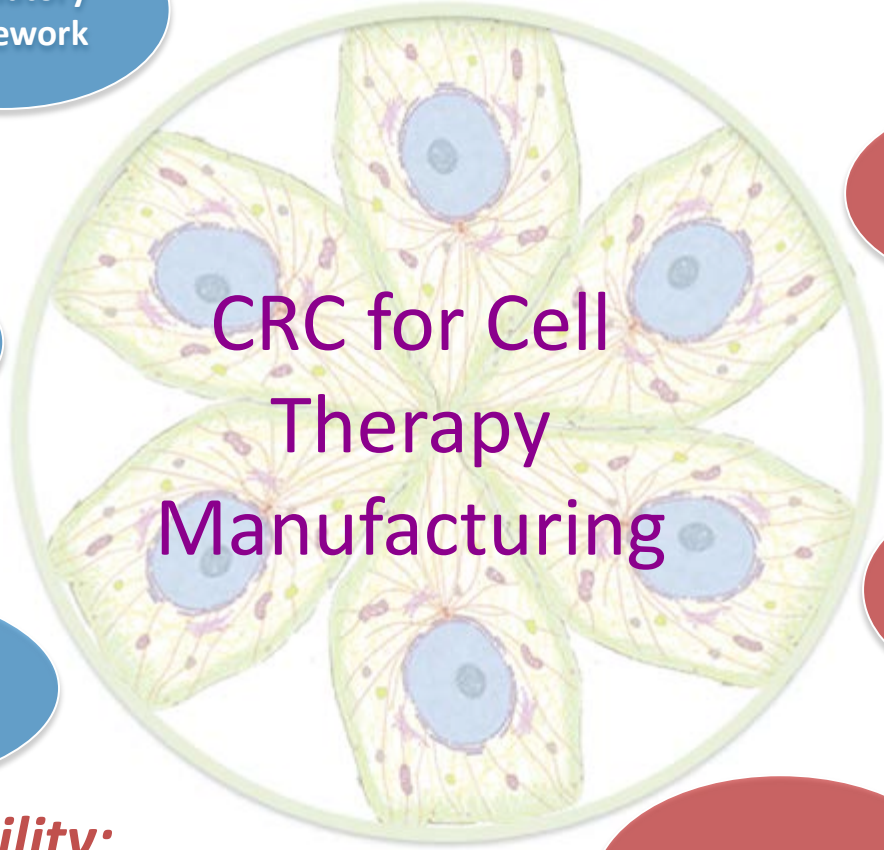
- Cost of manufacture
- Effective delivery

**Intervention with “smart” materials and surfaces:
reduce cost + increase efficacy of cell therapy**



making cell therapy affordable and accessible

CRC for Cell Therapy Manufacturing



End-user companies; healthcare providers

Regulatory framework

Preclinical and clinical

Bioprocess engineering/ GMP manufacture

Cell and molecular biology

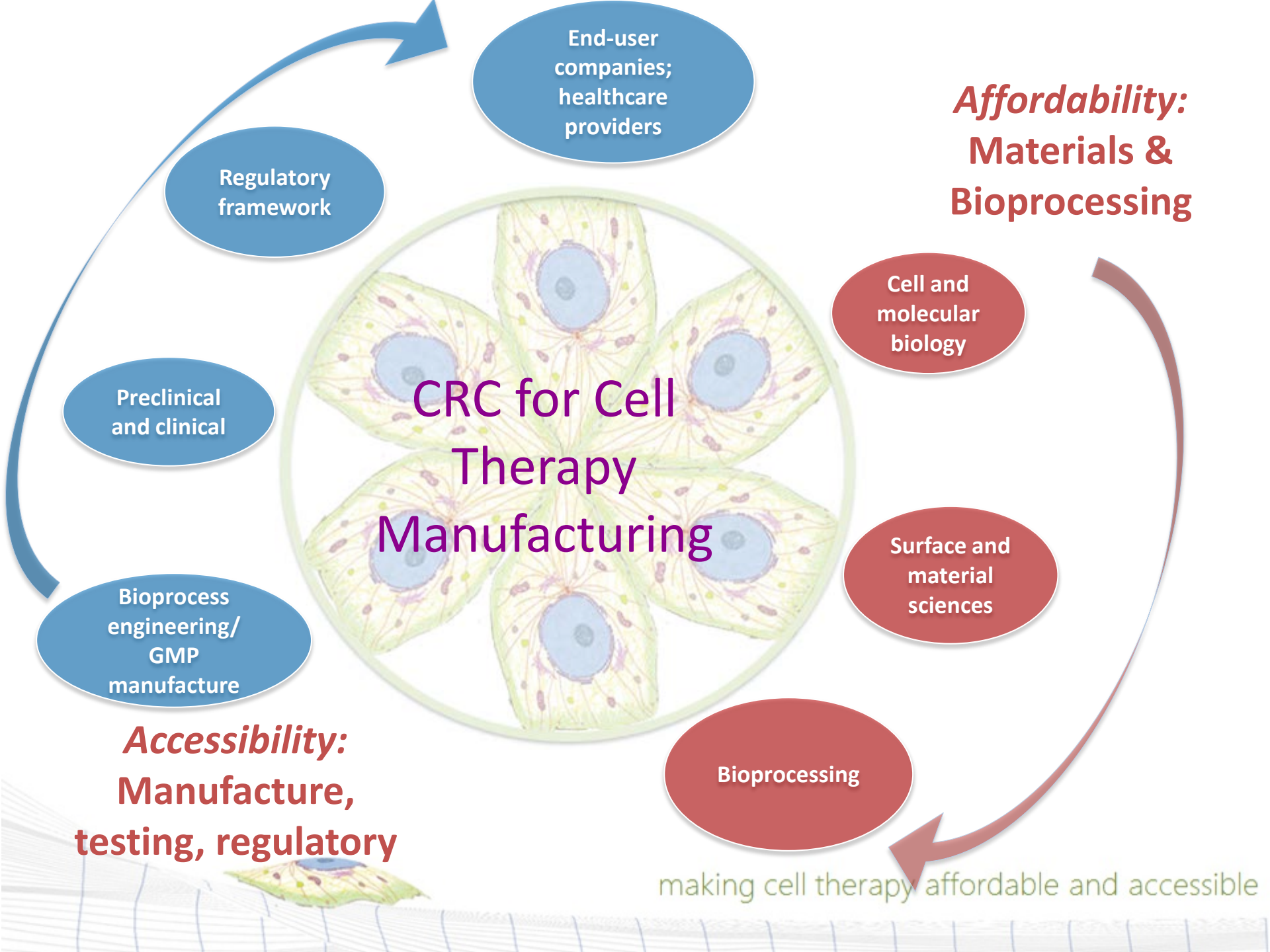
Surface and material sciences

Bioprocessing

Affordability: Materials & Bioprocessing

Accessibility: Manufacture, testing, regulatory

making cell therapy affordable and accessible



GMP facilities for Australia



making cell therapy affordable and accessible

Cell therapy manufacture: Impacts

- A world first: Australia leads
 - Reduced healthcare costs
 - A healthier Australia
 - Net Present Value - \$182M
-
- 5 medical devices
 - 3 cell therapies
 - 16 patents
 - 100 trained researchers
 - 2000 new jobs
 - 20 entrepreneurial PhDs



making cell therapy affordable and accessible