Figure 2

Cell therapy:
- Isolate progenitor cells
- Induce differentiation
- Transplant

Mesenchymal stem cell:
- Brown preadipocyte
- Brown adipocyte
- Activated brown adipocyte

Medication or Gene therapy:
- Induce brown adipocyte lineage
- Increase differentiation
- Activate thermogenesis

Increase energy expenditure
Increase glucose disposal
Increase insulin sensitivity
Decrease steatosis
Lose body fat and weight