

# Single Nuclei RNA-seq to Map Adipose Cellular Populations and Senescent Cells in Older Subjects

NCT05653258

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Status	RECRUITING
Phase	Phase 2, Phase 3
Sponsor	Cedars-Sinai Medical Center
Enrollment	160 participants

## Key Eligibility Criteria

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### Inclusion (11)

- Both Sexes
- Age: younger lean group 18-30 years with BMI 18.5-24.9 kg/m<sup>2</sup>; younger obese group 18-30 with BMI 30.0 -39.9; older obese group ≥ 65 years with BMI 30.0-39.9
- All races and ethnic groups
- Community dwelling
- Sedentary (<1.5 h of exercise per week)
- ... and 6 more (see full listing online)

### Exclusion (34)

- Diabetes, clinically diagnosed or HbA1c > 6.5% and/or fasting plasma glucose > 126 mg/dl and/or use of anti-diabetic medications.
- Participating in > 1.5 h of structured exercise/week
- Unstable weight (>3% change in last 3 months)
- Neurological, musculoskeletal, or other conditions that may limit subject's ability to complete study physical assessment and training
- Active autoimmune/inflammatory disease including: rheumatoid arthritis, multiple sclerosis, systemic lupus erythematosus, inflammatory bowel disease
- ... and 29 more (see full listing online)

## Locations (1 total)

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Cedars Sinai Medical Center, Los Angeles, California, United States

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<https://clinicaltrials.gov/study/NCT05653258>

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