



International Federation for Adipose Therapeutics and Science

Laboratory Listing

Primary Investigator Name: Alan D. Widgerow, MBBCh, MMed, FCS, FACS

Primary Investigator's Affiliations: University of California, Irvine, Plastic Surgery Department

Laboratory, Center or Group Name: Center for Tissue Engineering, Plastic Surgery, UCI

Type of Organization:

- Academia
- Clinic/Hospital
- Industry
- Small Start-up

If academic organization, please provide the name of University and Department: University of California, Irvine

Type of Work:

- Basic
- Clinical
- Translational Pre-Clinical

Primary focus, research or clinical activity:

Multiple projects:

- Proteomics of decellularized adipose matrix
- Use of co-cultured ADSCs and chondrocytes of adipose matrix for cartilage framework manufacture
- Mechanical stress induction of ADSCs/lipoaspirate to improve progenitor capacity
- Oxygen delivery solutions

If Research, what animal models are established by your group:

1. Mainly Murine and Porcine

If Research, what techniques are established by your group:

1. Mechanical stress induction of lipiaspirate - quantified
2. Proteomic studies of decellularized adipose matrix
3. Manufacture and analysis of micro/nano bubbles
4. 3D ear cartilage prefabrication

Key words that best describe the Research or Clinical work conducted:

- Stress induced progenitors
- Micro/nano bubbles
- 3D ear cartilage engineering
- Proteomic adipose matrix analysis

Website: <http://www.plasticsurgery.uci.edu>

NCBI: <https://www.ncbi.nlm.nih.gov/myncbi/alan.widgerow.2./bibliography/48133465/public/>

CONTACT INFORMATION

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