

TISSUE REJUVENATION FOR HEALTHY AGING

Tech ID: 24248 / UC Case 2014-208-0

PATENT STATUS

Country	Type	Number	Dated	Case
United States Of America	Issued Patent	10,265,372	04/23/2019	2014-208

BRIEF DESCRIPTION

As the global population ages, the challenge of maintaining quality of life and reducing the socioeconomic burden of age-related degenerative disorders becomes increasingly pressing. One of the most debilitating conditions affecting individuals over 50 is sarcopenia—the gradual loss of muscle mass and strength, leading to frailty, disability, and an increased risk of falls and fractures. While existing treatments have struggled to deliver meaningful results for elderly populations, exercise remains the predominant strategy despite its limitations.

UC Berkeley researchers have pioneered a groundbreaking pharmaceutical composition designed to enhance and rejuvenate tissue maintenance and repair. Utilizing an effective combination of oxytocin receptor (OXTR) agonists and ALK5 antagonists, this innovative approach promotes muscle regeneration and neural cell rejuvenation, offering a potential breakthrough for age-related tissue degeneration.

SUGGESTED USES

- » Tissue maintenance and rejuvenation

ADDITIONAL TECHNOLOGIES BY THESE INVENTORS

- ▶ Neuro-protective Effect of Human Pluripotent Stem Cell-derived Secretome in ALS
- ▶ CRISPR-based Graphene Biosensor for Digital Detection of DNA Mutations

CONTACT

Terri Sale
terri.sale@berkeley.edu
tel: 510-643-4219.



INVENTORS

- » Conboy, Irina M.

OTHER INFORMATION

CATEGORIZED AS

- » **Medical**
- » Disease: Musculoskeletal Disorders
- » Other

RELATED CASES

2014-208-0