

Most recently, Dr Obi was a keynote speaker in Boston on 17 March 2016 at SelectBio's Biofabrication/Bioprinting symposium. At the meeting, an ambitious workshop on 3D Bioprinting for Healing on the Battlefield was planned in Boston by Dr Obi and co keynote speaker Dr Paul Gatenholm of Sweden.

The 3D bioprinter can position several cell types and thus reconstruct the architecture of complex tissues and organs. The cells cannot however be printed alone. They need a support structure or bioink which has to provide cues for cell adhesion, migration, proliferation and differentiation. Bioinks need to be cytocompatible (cell friendly), have shear thinning properties and solidify after printing. The technology platform combining biopolymer inks and a 3D bioprinter for printing larger 3D objects with cells have been recently developed. This workshop will be held at Dr. Lewis Obi's clinic in Jacksonville in early November, 2016.



3D Bioprinting and Stem Cell Expansion for the battlefield

The recent introduction of the Maxstem expansion/storage system by Korean plastic Surgeon MEDICAL Live Wire



The more likely use of adipose derived stem cell in the near future will be in the area of angiogenesis and wound healing. This already has clinical application for both circulatory compromised wounds such as diabetic and ischemic ulcers in the lower extremity. The focus of Drs. Obi and Gatenholm workshop this fall will be the use of a biologic stem cell portable bandage for treating traumatic wounds on the battlefield.



fellow to the Royal Society of Art, London (FRSA) in 1986. Obiarts has contributed world class art to dozens of major museums and institutions.