Biomaterials for Wound Healing

Clinical-grade Bandage for Chronic Wounds

Chronic wounds affect 1 in 20 patients in Singapore. The proportion of chronic wound patients is expected to be exacerbated by an ageing population and the rising incidence of diabetes. A team of researchers in NTU led by Assoc Prof Dalton Tay has utilised a ‘waste-to-resource’ approach to turn discarded bullfrog skin into medical grade topical collagen to treat chronic wounds. The collagen patch was developed in collaboration with Singapore medical technology firm Cuprina Wound Care.

Solutions and exclusively licensed to the company. The potential of the biomaterial could extend beyond wound healing and might be a promising option with other regenerative applications such as bone repair. Read more here.