6-2014-3069 | On-Demand, Event Activated Soft-Tissue Bio-Adhesives
Mandler Daniel, HUJI, Faculty of Science, The Institute of Chemistry

Background

Current methods of tissue fixation leave much to be desired, essentially relying on technologies developed from the clothing and carpentry industries i.e. sutures, screws, and pins. Bioadhesives offer a less traumatic method of tissue fixation and hence are a needed tool in the clinic.

Innovation

Our group is researching novel bioadhesive strategies that allow application in wet environments, and an on-demand adhesive mechanism.

Opportunity

On-demand adhesion would allow flexibility in method placement and take advantage of less invasive surgical technologies, such as balloon catheters and laparoscopic (keyhole) surgeries.
Shani Bullock
VP, Business Development, Healthcare
+972-2-6586608

Yissum Research Development Company of the Hebrew University of Jerusalem
Hi-Tech Park, Edmond J. Safra Campus, Givat-Ram, Jerusalem
P.O. Box 39135, Jerusalem 91390 Israel
Telephone: 972-2-658-6688, Fax: 972-2-658-6689