NUS National University of Singapore | iHealthtech Institute for Health Innovation & Technology

"Innovating Health" Webinar
Outstanding Young Speaker Series

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24 MAY, MON, 10 – 11 PM (Boston)
25 MAY, TUE, 10 – 11 AM (Singapore)

Biofabrication Strategies for Tissue and Tissue Model Engineering

Over the last decade, three-dimensional (3D) tissue fabrication technologies have progressed rapidly. However, such techniques are often limited by their precision and controllability to replicate complex tissues. The development of 3D bioprinting offers excellent versatility in fabricating biomimetic volumetric tissues structurally and functionally relevant to their *in vivo* counterparts. Such technology allows precise control of the composition, spatial distribution and architecture of bio-printed constructs that can recapitulate the target organs' and tissues' delicate shapes and structures. Here, we will discuss recent efforts in advanced 3D bioprinting strategies combined with microfluidic chip-based systems to construct functional tissues that can facilitate tissue regeneration and micro-tissue models for personalized medicine applications.

Speaker Biography:
https://shrikezhang.com/team/members

Register here
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