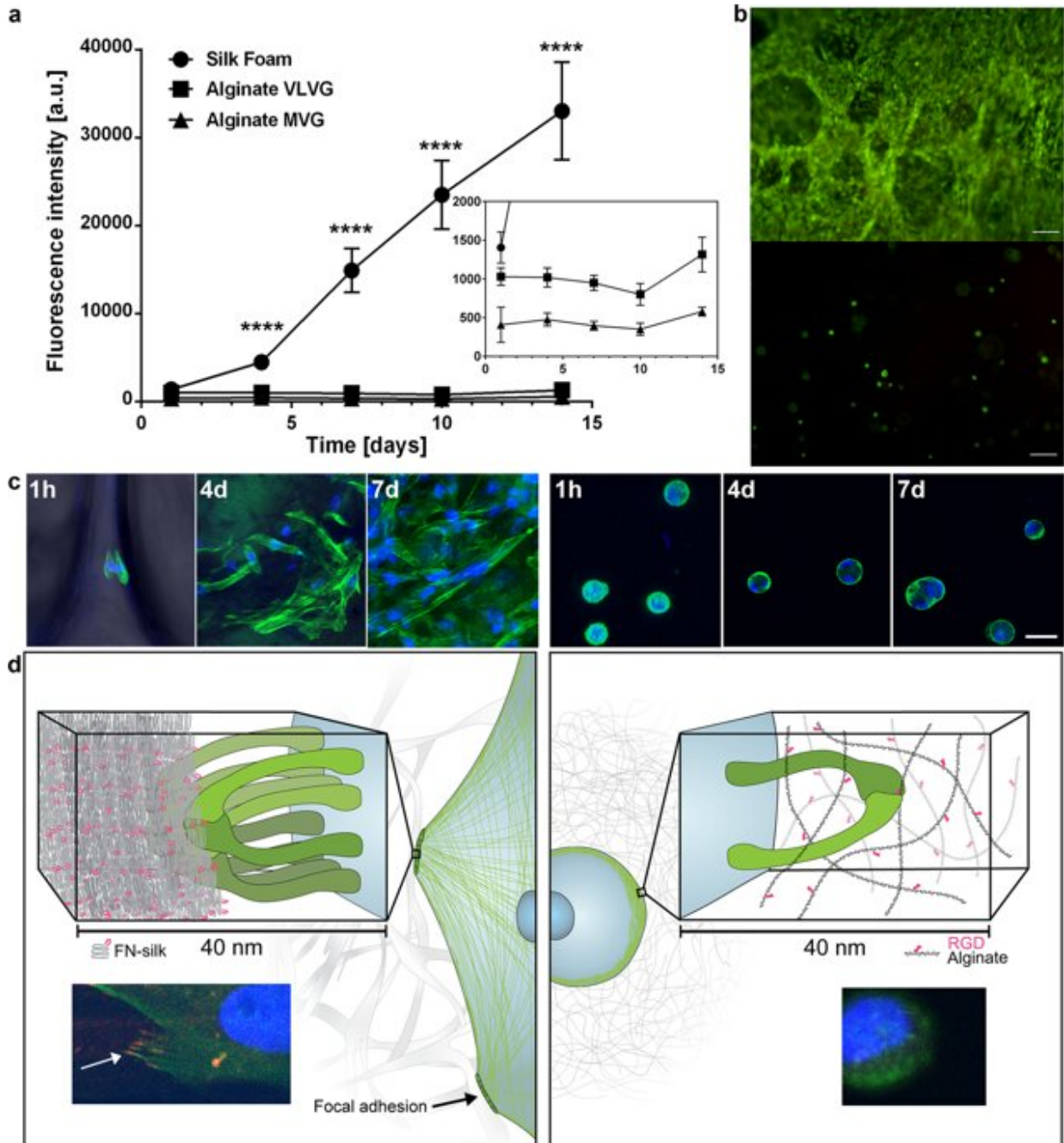


Engineering ECM-like fibers with bioactive silk for 3-D cell culture

April 29 2019, by Thamarasee Jeewandara



Spreading and expansion of cells within FN-silk compared to when encapsulated in an RGD-coupled hydrogel. (a) Representative graph (mean and standard deviation) of Alamar Blue viability assay showing metabolic activity of fibroblasts (HDF) within FN-silk foam (circle), a very low viscosity (VLVG) alginate hydrogel coupled with RGD (square), and a medium viscosity (MVG) alginate hydrogel coupled with RGD (triangle) during two weeks of culture.

Insert shows a zoomed in view of the lower intensities. Statistics (students t-test at each time point): **** indicates p

Citation: Engineering ECM-like fibers with bioactive silk for 3-D cell culture (2019, April 29) retrieved 19 April 2024 from <https://phys.org/news/2019-04-ecm-like-fibers-bioactive-silk-d.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.