



Contents lists available at [ScienceDirect](#)

Acta Biomaterialia

journal homepage: [www.elsevier.com/locate/actabiomat](http://www.elsevier.com/locate/actabiomat)



## Editor's Comment on: Connections between single-cell biomechanics and human disease states: Gastrointestinal cancer and malaria

by S. Suresh, J. Spatz, J.P. Mills, A. Micoulet, M. Dao, C.T. Lim, M. Beil, T. Seufferlein

Published in our inaugural issue, this was a timely summary of the growing role of cellular biomechanics and chemomechanical pathways, making important linkages to human disease. Not only did the article describe the most recent uses of optical tweezers to demonstrate deformation of red blood cells that are affected by different disease states, but it helped illustrate the structure–property–function scope of *Acta Biomaterialia* from the outset.

It is also important to note that the article was a collaboration among three of the groundbreaking groups in single-cell mechanics and disease, from Germany, Singapore, and MIT in the US, and included Professor Subra Suresh, who went on to become director of the National Science Foundation, and is now President of Carnegie Mellon University.