

Einladung zum Physikalischen Kolloquium

Montag, 16.01.2012
16:15 Uhr in N24/H13

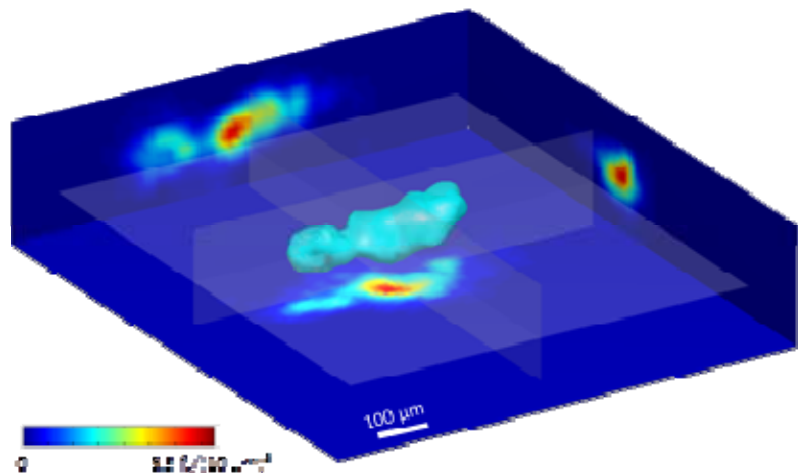


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Physical principles in cancer

The main reason for the high mortality in cancer patients is the ability of their tumors to metastasize in distant organs. During metastasis, cells from the primary tumor migrate through the connective tissue; they can cross the basement membrane of organs and enter blood or lymph vessels. The degree of tumor invasiveness is governed by basic physical principles, such as the ability of the cells to adhere onto connective tissue fibers, to generate contractile forces, and to dynamically deform. Together, these mechanisms allow the tumor cells to migrate through narrow pores and channels of the connective tissue. I will present methods to investigate tumor cell behavior, such as migration and force generation, in a 3-dimensional connective tissue matrix.



Ab 15.45 Uhr Kaffee, Tee und Kekse vor dem Hörsaal H13

Organisation: Prof. Marti, Tel.: 23011
Dr. Retzker, Tel.: 22902
Host: Prof. Gottschalk Tel.: 23011