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Leili Shahriyari* (shahriyari.1@mbi.osu.edu), Mathematical Biosciences Institute, 1735 Neil Ave, 3rd floor Jennings hall, Columbus, OH 43210. *Mathematical Models for Cells' Interactions in Tumor Micro-environment.*

In order to obtain optimal cancer therapies, the knowledge of cells behavior and their interactions is crucial. Each tumor has its own special characteristics. Many computational models have been designed to investigate the cells' cross talks in various tumors. In this talk, I will present and compare several non-linear models, which have been developed to study cells' interactions in tumor micro-environment. (Received September 16, 2016)