

## **One dimensional tumor invasion models of Chaplain-Anderson type with constraints**

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In this talk, we consider one-dimensional tumor invasion model of Chaplain-Anderson type with constraints and show the existence of time-local solutions to this model. The main idea to show the existence of solutions is to apply the theory of time dependent quasi-variational inequality. Actually, the models are described by a system of three differential equations. But by preparing suitable operators they are rewritten into a single nonlinear evolution inclusion.