

**Laurent Desvillettes**

*A chemotaxis model treated with duality methods*

In a work in collaboration with Yong-Jung Kim, Ariane Trescases and Changwook Yoon, we introduce a chemotaxis model featuring at the same time aggregation phenomena and global existence. This last property of the model is obtained (in dimension 1) thanks to the use of duality lemmas, such as those developed for the treatment of cross diffusion problems coming out of population dynamics.