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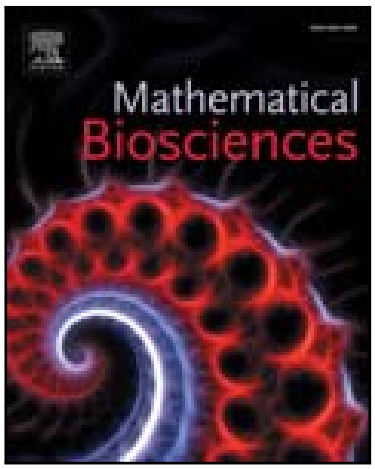

A simple mathematical model of cell clustering by chemotaxis.

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Highlights

- This paper presents a simple mathematical model of how cells (and small clusters of cells) can combine to form large clusters due to chemotaxis.
- An exact expression is used to simulate how the chemical signals produced by the cells diffuses and spreads out.
- The effect that changing some of the parameters in the model, such as the initial concentration strength and the diffusion constant, has on the final distribution of the cells is investigated and discussed.

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