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# Self-sustained velocity waves and pattern emergence in tissues

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## Abstract

Supra-cellular organization is crucial for establishing and maintaining the structure, function, and homeostasis of biological tissues. Several recent studies have reported the spontaneous emergence of wave-like patterns in colonies of epithelial cells. Strikingly, supra-cellular waves exhibit precise wavelengths and periods. My main question is to investigate whether supra-cellular waves induce transcriptomic divergence between the cells located in the wave nodes and those in the antinodes.

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