

## Modelling collective cell movement in biology and medicine

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Collective cell movement occurs throughout biology and medicine and there are many common features shared across different areas. I will review work we have carried out over the past few years on

- (i) systematically deriving a PDE model for tumor angiogenesis from a discrete formulation and comparing this model with the classical, phenomenological snail-trail model;
- (ii) agent-based models for cranial neural crest cell migration in a collaboration with experimental biologists that has revealed a number of new biological insights.

**Wednesday, October 7<sup>th</sup>, 2020 at 2:15 pm**

**MPIDS, video conference at [www.zoom.us](http://www.zoom.us)**

**Meeting ID: 959 2774 3389**

**Passcode: 651129, [direct link](#)**



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