OpenVT: Reproducing Multicellular Simulation - Bridging Methods and Models

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Session 1 (Tues). Introduction [2-5:30pm London; 9-12:30 EDT]

- Zoom link: https://washington.zoom.us/j/98414703762?pwd=K0R0eUsrTm9kY01CdEVwVlBLbWdvQT09

Session 2 (Wed): First steps [2-4pm London; 9-11 ET]

- Zoom link: https://washington.zoom.us/j/91914984092?pwd=bmRUZ3dWdk5MWE84RlZ1bmxRSlRNZz09

Purpose of sessions:
- To discuss OpenVT's mission statement and the reasons why developing an open source community is beneficial to all who use VT models for their research.
- Discuss OpenVT's first steps in building the community.
- Get feedback on current plans and people to volunteer their time to developing OpenVT.

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Session 1: Introduction to OpenVT Community,

- Overview of Multicell AB modeling
- Landscape of Multicellular Simulations: An overview of the various methods employed in multicellular simulations, highlighting their unique features and common challenges.
- The Need for more of a Community Approach to VT Modeling
- Discussion on the concept of a cell's Phenotype in PhysiCell.

Session 2: First steps

- Discussion on models for reference implementation in multicellular agent based frameworks.
- Cross framework API: Common API for calling modules in different frameworks. Common way to expose functionality for use in different simulators.
- Education: Common introduction to VTs: Discuss basic concepts that are present in all VT frameworks.