

Slides, videos, links and more:

<https://github.com/physicell-training/ws2021>

# Day 1 Welcome



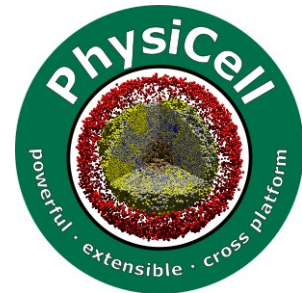
Paul Macklin, Ph.D.



@TwitterTag

## PhysiCell Project

July 26, 2021



**LUDDY**

SCHOOL OF INFORMATICS, COMPUTING, AND ENGINEERING

PhysiCell Project

**PhysiCell.org**

 **@PhysiCell**

# Overall Goals

- Teach main concepts of modeling in PhysiCell
- Develop and grow a PhysiCell ***community***
  - Help set the culture of our community
- Create fun models and useful utilities in the hackathon
  - Nucleate collaborations
- Identify leaders for a sustainable future

# Overall Format

- Mornings: Sessions to learn PhysiCell
- Afternoons: Brainstorming & hackathon
- Evenings: At the discretion of you and your team
- Overnight: Watch asynchronous material (as needed)
  
- During Sessions:
  - Type questions in the chat window
  - We'll take periodic pauses for questions
  - Moderators will help read questions
  
- Breaks:
  - Use for getting meals, biobreaks, etc. as needed

# Norms

- We want an inclusive culture where all feel welcome and ready to grow.
- Be respectful of your peers.
- Embrace and leverage your diverse viewpoints and skills.
- Ask questions! Ask for help if you need it!
- Be generous: share expertise, code, and time.
- Be rigorous. But ...
- Perfect is the enemy of good:
  - Try to get things right, but be willing to learn and iterate on a prototype.
- Let us know if there's something that can be better!
  - (And feel free to let us know we've gotten something right! ;-)

# The case for cross-platform

- It's easy to believe that all science is done on Linux.
- Download stats tell a different story.
- Be mindful of cross-platform compatibility.



# Today's Goals

- Get a first taste of Modeling in PhysiCell
- Learn Basic and Intermediate workflows
- Learn key concepts of phenotype
- Kick off brainstorming!

# Agenda

11:00-11:15	Welcome		Lecture Hall
11:15-12:15	Session 2	PhysiCell First Dive	Lecture Hall
12:15-13:00	Break		Gather Fountain
13:00-13:45	Session 3	Phenotype (1)	Lecture Hall
13:45-14:00	Break		Gather Fountain
14:00-14:45	Session 4	Phenotype (2)	Lecture Hall
14:45-15:30	Break		Gather Fountain
15:30-17:00	Session 5	A complete example	Lecture Hall
17:00-17:15	Break		Gather Fountain
17:15-17:50	Brainstorming Round 1		Gather Collaboration Room
17:50-18:00	Day 1 Wrap-Up		Gather Collaboration Room

See <https://github.com/PhysiCell-Training/ws2021/blob/main/agenda.md>

# Funding Acknowledgements



## PhysiCell Development:

- Breast Cancer Research Foundation
- Jayne Koskinas Ted Giovanis Foundation for Health and Policy
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## Training Materials:

- Administrative supplement to NCI U01CA232137 (Year 2)