

Slides, videos, links and more:

<https://github.com/physicell-training/02-How-to-nanoHUB>

Module 02: How to use a PhysiCell nanoHUB app

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 @MathCancer

PhysiCell Project

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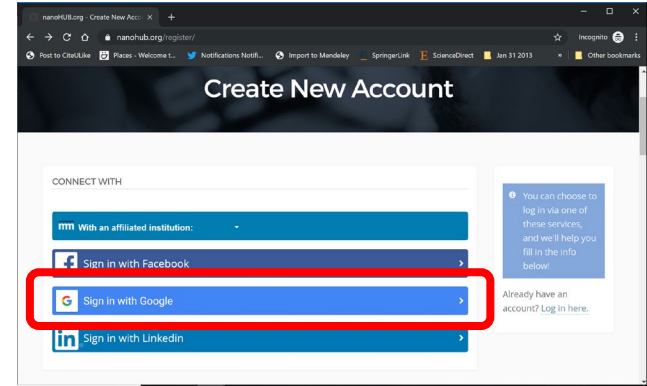
nanoHUB Account

- These tutorials use cloud-hosted PhysiCell models on nanoHUB.org.
- nanoHUB is **free**, but it requires a one-time registration.

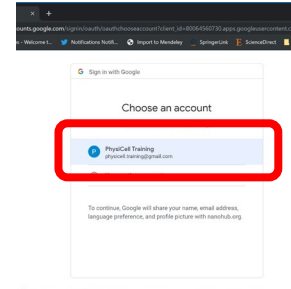
- **Steps:**

1. Visit <https://nanohub.org/register>
2. Choose "Sign in with Google"
3. Choose a Google account
4. Click "No" (so it doesn't try to associate with some other nanoHUB account)
5. Finish filling in details, and you're done!
6. Use your google account to sign in in the future.

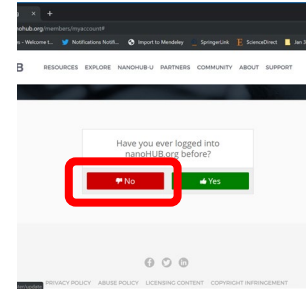
2



3



4



Sample nanoHUB app

- I suggest pclSA or pc4cancerbots
- Something fast but reasonably interesting.



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Splash screen and launching tool



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About tab



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Config basics



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User parameters



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Out: Cell Plots



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Out: Substrate Plots



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Downloading simulation plots



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Live demo



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Next steps

Super fast:

Please proceed to 02
(How to use a PhysiCell App on nanoHUB)

Intermediate:

Please proceed to 02
(How to use a PhysiCell App on nanoHUB)

Full training:

Please proceed to 02
(How to use a PhysiCell App on nanoHUB)

link: <https://www.github.com/PhysiCell-Training/...>

More materials: <https://github.com/physicell-training/master-list>

Credits

Module Planning:	Paul Macklin, Drew Willis*, Randy Heiland
Slides:	Paul Macklin, Drew Willis, Randy Heiland
Recording:	Paul Macklin, others?
Post-production:	Paul Macklin, Drew Willis*, Kali Konstantinopoulos*
Microapps:	https://www.nanohub.org/tools/???

* denotes undergraduate researcher

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PhysiCell Development:

- Breast Cancer Research Foundation
- Jayne Koskinas Ted Giovanis Foundation for Health and Policy
- National Cancer Institute (U01CA232137)
- National Science Foundation (1720625)

Training materials:

* Administrative supplement to NCI U01CA232137 (Year 2)



JAYNE KOSKINAS
TED GIOVANIS

Foundation for
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