**Check out our new IMAG wiki here:** [**https://www.imagwiki.nibib.nih.gov/**](https://www.imagwiki.nibib.nih.gov/)**--- To find wiki: (Browser Search: IMAG wiki)**

1. **News & Events** – timely activities including **announcements**, highlights (all past meetings can be found here)
2. **Funding** – in addition to **funding opportunities**, this now includes a listing of you and your funded projects as described in your user profiles -- see [FAQ page](https://www.imagwiki.nibib.nih.gov/about-imag/frequently-asked-questions-faq) for instructions to update your pages
3. **Resources** – archived information includes your models, tools and databases; **meeting reports**; your publications, presentations and tutorials (login and post your modeling resources --- see [FAQs for instructions](https://www.imagwiki.nibib.nih.gov/about-imag/frequently-asked-questions-faq)!)
4. **Activities** – MSM task forces and working groups
5. **Current IMAG meeting** – all information on the current IMAG Hosted Meeting (IMAG-AND Futures trainee competition - archived recordings found [**here**](https://www.imagwiki.nibib.nih.gov/current-imag-meeting/2020-imag-and-futures-trainee-poster-competition))



**1.  News & Events -- ANNOUNCEMENTS:**

**NIH Rapid Acceleration of Diagnostics (RADx) Initiative for COVID-19**

With a $1.5 billion investment from federal stimulus funding, the newly launched Rapid Acceleration of Diagnostics (RADx) initiative will infuse funding into early innovative technologies to speed development of rapid and widely accessible COVID-19 testing. More information found [here](https://www.imagwiki.nibib.nih.gov/news-events/announcements/nih-mobilizes-national-innovation-initiative-covid-19-diagnostics).

**COVID-19**

* NIBIB Director’s **call to bioengineers**: <https://www.nibib.nih.gov/about-nibib/directors-corner>
* Public Dissemination - **Computer Modeling of COVID-19** found [here](https://www.imagwiki.nibib.nih.gov/news-events/announcements/computer-modeling-covid-19-public-dissemination) -- **Systems Science** [**animated video**](https://www.youtube.com/watch?v=R50dWkipZso&feature=youtu.be)
* **OSTP Calls to action** and community responses to COVID-19 found [here](https://www.imagwiki.nibib.nih.gov/news-events/announcements/ostp-calls-action-scientific-community).

**Request for Information (RFI) on New Proposed Sequence Read Archive (SRA) Data Formats**

NIH has released a request for information (RFI) to solicit community feedback on new proposed Sequence Read Archive (SRA) data formats. Learn more and share your thoughts at <https://go.usa.gov/xvhdr>. The response deadline is **July 17th, 2020**.

**OpenSim Webinar - Inverse Kinematics: A Bayesian Versus Least-Squares Approach**

The OpenSim project and the National Center for Simulation in Rehabilitation Research (NCSRR) at Stanford invite you to join our next webinar, featuring Todd Pataky from Kyoto University. More information found [here](https://www.imagwiki.nibib.nih.gov/news-events/announcements/opensim-webinar-inverse-kinematics-bayesian-versus-least-squares-approach).

Monday, July 20, 2020 4:00 p.m. Pacific Time

**CNS'2020 Tutorial: Building mechanistic multiscale models, from molecules to networks, using NEURON and NetPyNE**

Link to tutorial information here: <https://www.imagwiki.nibib.nih.gov/news-events/relevant-meetings/cns2020-tutorial-building-mechanistic-multiscale-models-molecules>

July 18th, 2020

**CNS'2020 Workshop: "Tools and resources for developing and sharing models in computational neuroscience"**

Link to workshop information here: <https://www.imagwiki.nibib.nih.gov/news-events/relevant-meetings/cns2020-workshop-tools-and-resources-developing-and-sharing-models>

Workshop date: July 21st, 2020

**CNS'2020 Workshop: Machine learning and mechanistic modeling for understanding brain in health and disease**

Link to workshop information here: <https://www.imagwiki.nibib.nih.gov/news-events/relevant-meetings/cns2020-workshop-machine-learning-and-mechanistic-modeling>

Workshop date: July 22nd, 2020

**CompuCell3D 15th User Training Workshop: 2020 ONLINE Network Modeling Summer School and Hackathon using CompuCell3D and Tellurium**

July 27th- August 8th, 2020

Workshop will be held on Zoom, YouTube, and other remote access tools

By the end of this two-week course, participants will have implemented a basic simulation of their particular biological problem of interest. More information found [here](https://www.imagwiki.nibib.nih.gov/news-events/relevant-meetings/compucell3d-15th-user-training-workshop).

**Call for Abstracts: Sixth Computational Approaches for Cancer Workshop; Submissions due Sept. 6, 2020**

Link to workshop information here: <https://www.imagwiki.nibib.nih.gov/news-events/relevant-meetings/call-abstracts-sixth-computational-approaches-cancer-workshop>

Workshop date: November 15th, 2020

**For other News & Events visit the** [**News**](https://www.imagwiki.nibib.nih.gov/news-events) **& Events page on the IMAG Wiki.**



**2. Funding -- FUNDING OPPORTUNITIES:**

**NIH COVID-19 Funding Opportunities**

NIBIB Director’s call to bioengineers: <https://www.nibib.nih.gov/about-nibib/directors-corner>

Link to Program Announcements: <https://www.imagwiki.nibib.nih.gov/funding-opportunities/nih-covid-19-funding-opportunities>

**Janelia Theory Fellow Program**

Link to Program Announcement: <https://www.imagwiki.nibib.nih.gov/funding-opportunities/janelia-theory-fellow-program>

Upcoming Due Date: August 1st, 2020

**Enabling Technologies to Accelerate Development of Oral Biodevices**

Link to Program Announcement: <https://www.imagwiki.nibib.nih.gov/funding-opportunities/enabling-technologies-accelerate-development-oral-biodevices>

Upcoming Due Date: September 5th, 2020

**Advancing Imaging, Device Production, and Clinical Capabilities in Digital Dentistry**

Link to Program Announcement: <https://www.imagwiki.nibib.nih.gov/funding-opportunities/advancing-imaging-device-production-and-clinical-capabilities-digital>

Upcoming Due Date: September 5th, 2020

**BRAIN Initiative: Theories, Models and Methods for Analysis of Complex Data from the Brain (R01 Clinical Trial Not Allowed)**

Link to Program Announcement: <https://www.imagwiki.nibib.nih.gov/funding-opportunities/brain-initiative-theories-models-and-methods-analysis-complex-data-brain-0>

Upcoming Due Date: September 14th, 2020

**For other Funding Information visit the** [**Funding Page**](https://www.imagwiki.nibib.nih.gov/funding-opportunities) **on the IMAG Wiki.**



**2. Publications --NEW PUBLICATIONS:**

**Using Simulation Modeling to Guide the Design of the Girl Scouts Fierce & Fit Program**

For this study, PHICOR (Public Health Informatics, Computational and Operations Research) partnered with GSCM (Girl Scouts of Central Maryland) to better understand the impact of the original Fierce & Fit program. PHICOR used its computer model to simulate changes to the duration of the program, the number of meetings per week and the amount of timed physical activity during each session and the resulting health and economic outcomes.

**Link to publication:** <https://www.imagwiki.nibib.nih.gov/resources/publications/using-simulation-modeling-guide-design-girl-scouts-fierce-fit-program>

**For other Publication Information visit the** [**Publications Page**](https://www.imagwiki.nibib.nih.gov/resources/publications) **on the IMAG Wiki.**



**3. Resources -- MEETING REPORTS:**

**NIH Artificial Intelligence Initiative** (search by date: <https://videocast.nih.gov/PastEvent>)

**December 13, 2019** - NIH Advisory Committee to the Director, <https://www.acd.od.nih.gov/meetings.html>

[ACD Working Group on Artificial Intelligence (Final Report)\* (PDF, 923 KB)](https://www.acd.od.nih.gov/documents/presentations/12132019AI.pdf)

* NIH ACD Meeting 12/13/16, videocast posted here by date: <https://videocast.nih.gov/watch=35426> (start at 1:02)
  + Listen to Linda Griffith’s question on MSM at 1:45 (1 hour 45 min)

**May 15, 2020** – NIH Council of Councils

* approval of AI concept (start at 1 hour 27 min): <https://videocast.nih.gov/watch=36031>

**Artificial Intelligence and the Future of STEM and Societies**

December 2-3, 2019:  [Link to Meeting Report](https://www.imagwiki.nibib.nih.gov/resources/meeting-reports/artificial-intelligence-and-future-stem-and-societies)

**Perspective Paper: Integrating Machine Learning with Multiscale Modeling for Biomedical, Biological, and Behavioral Systems (2019 ML-MSM)**

October 24-25, 2019: Citation: [Integrating machine learning and multiscale modeling-perspectives, challenges, and opportunities in the biological, biomedical, and behavioral sciences.](https://www.nature.com/articles/s41746-019-0193-y) Alber M, Buganza Tepole A, Cannon WR, De S, Dura-Bernal S, Garikipati K, Karniadakis G, Lytton WW, Perdikaris P, Petzold L, Kuhl E. NPJ Digit Med. 2019 Nov 25.

**For other Modeling & Analysis Resources visit the** [**Resources Page**](https://www.imagwiki.nibib.nih.gov/resources) **on the IMAG Wiki.**



*If you know of others who may be interested in the MSM Consortium or IMAG Wiki, please pass along this email and encourage them to look at the* [*ABOUT IMAG*](https://www.imagwiki.nibib.nih.gov/about-imag) *page to find out how to become involved.  If this email was forwarded to you and you would like to receive it in the future, please contact* [*NIBIBimag@mail.nih.gov*](mailto:NIBIBimag@mail.nih.gov) *to be placed on the appropriate listserv.*