

National Library of Medicine Grant Programs

Yanli Wang, PhD

Program Director

Division of Extramural Programs

National Library of Medicine, NIH, DHHS

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NLM Extramural Programs (NLM EP)

<https://www.nlm.nih.gov/ep/Grants.html>

Offers grants for research projects and research training in biomedical informatics and data science. Biomedical informatics and data science research applies computer and information sciences to improve the access, storage, retrieval, management, dissemination, use and analytics of biomedical information.

NLM Extramural Programs Primary Functions

- Design & implement grant programs
- Receive & review applications
- Recommend and make grant awards
- Receive and review progress reports, monitor progress and maintain official grant records
- Manage funds, project and monitor budget expenditures and financial conflicts of interest
- Provide guidance, advice and consultations to applicants and awardees

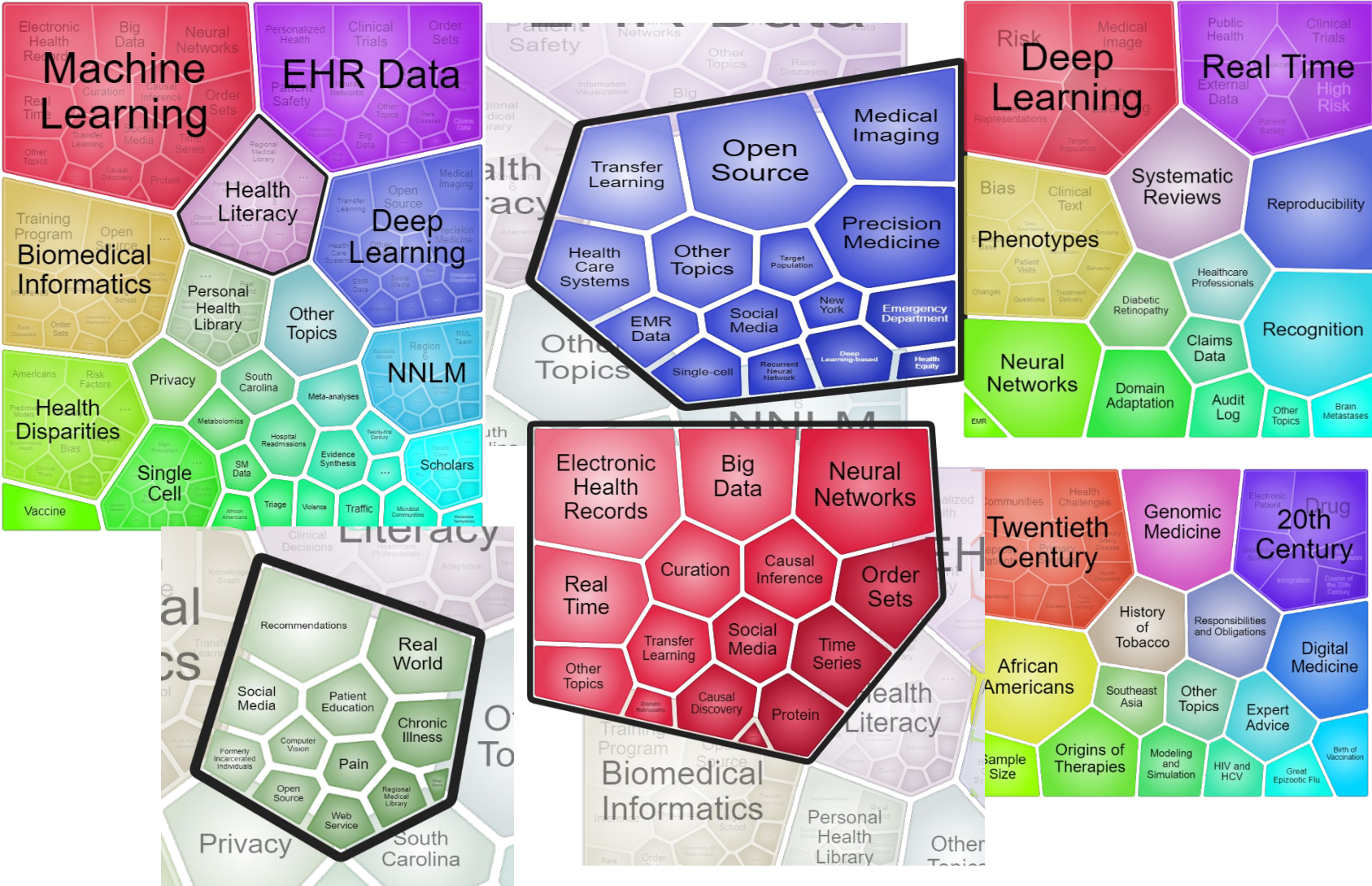
Across NIH IC & Government Agency Activity

- Participate in NIH Data Science Strategic Plan Implementation
- Participate in NIH Review, Program Policy, and Tool Development
- Develop Joint Programs with NSF
- Support from ODSS & other OD Offices
- Co-fund Projects with Other NIH ICs
- Support NIH RADx-rad

NLM Grant Programs ...

- Bioinformatics
- Clinical Informatics
- Translational Bioinformatics
- Consumer and Health Informatics
- Public Health Informatics
- Data/Information Science

NLM Extramural Program Research Portfolio ...



NLM Grant Programs ...

- Research (R01, R21, R15, R56, R13)
- Resource (G08, UG4)
- Career Development (K99/R00)
- Fellowship (F30/F31)
- Training (T15, R25)
- Small Business Research & Development (STTR-R41/R42, SBIR-R43/R44)
- Scholarly Works (G13)

Career Development Support

<https://grants.nih.gov/grants/guide/pa-files/pa-20-188.html>

NIH Pathway to Independence Award (K99/R00)

Career transition support for postdoctoral fellows moving from mentored research to independent research careers

Focus on building the supply of researcher investigators in biomedical informatics and data science

Up to 5 years (up to 2 years for K99, 3 years for R00)

Applicant with no more than 4 years of postdoctoral experience

Investigator Initiated R01 Research Projects

NLM Research Grants in Biomedical Informatics and Data Science (R01 Clinical Trial Optional) (PAR-18-896/PAR-23-034)

\$250K direct costs, 4 years, reviewed by NLM study section

NIH Research Project Grant (Parent R01 Clinical Trial Not Allowed) (PA-20-185)

reviewed by CSR study sections

- Well-defined research problem
- Focus on research & development in biomedical informatics and data science
- Emphasis on new & novel methods and approaches
- Innovative and generalizable methodology to advance the field

NLM Research Grants in Biomedical Informatics and Data Science

<https://grants.nih.gov/grants/guide/pa-files/par-23-034.html>

Support innovative research and development in biomedical informatics and data science for new methods and approaches to foster data driven discovery in the biomedical and clinical health sciences as well as domain-independent, reusable approaches to discovery, curation, analysis, organization and management of health-related digital objects.

Computational and Statistical Methods to Enhance Discovery from Health Data (R01)

<https://grants.nih.gov/grants/guide/notice-files/NOT-LM-19-003.html>

Support state of the art methods and approaches to address problems with large health data sets or tools used to analyze them. Support research which: develop statistical algorithms for understanding, characterizing and addressing the gaps, errors, biases, and other limitations in the data; develop computational methodologies for generating metadata that adequately characterizes data provenance, intended use, and processes; and improve approaches for integrating, mining, and analyzing health data that preserve the confidentiality, accuracy, completeness and overall security of the data.

Computational Approaches to Curation at Scale for Biomedical Research Assets

<https://grants.nih.gov/grants/guide/pa-files/PAR-20-304.html>

Support novel informatics and data science approaches that can accelerate the availability of and access to secure, complete data sets and computational models that can serve as the basis of transformative biomedical discoveries by improving the speed and scope of the curation processes.

Notice of NIH Participation in Smart Health and Biomedical Research in the Era of Artificial Intelligence and Advanced Data Science

<https://grants.nih.gov/grants/guide/notice-files/NOT-OD-21-011.html>
<https://www.nsf.gov/pubs/2021/nsf21530/nsf21530.htm>

Support innovative, high-risk/high-reward research to make fundamental contributions to two or more disciplines with the promise of disruptive transformations in biomedical research to address technological and data science challenges that require fundamental research and development of new tools, workflows and methods across multiple dimensions. Specifically, technologies, analytics and models that utilize novel informatics and data science approaches to help individuals gather, manage and use data and information about their personal health.

More information about NLM Grant Programs

<https://www.nlm.nih.gov/ep/index.html>

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