Northwestern University Clinical and Translational Sciences Institute (NUCATS)

Speeding transformative research discoveries to patients and the community
NUCATS is.....

• A centralized hub of resources for research teams at Northwestern University and its clinical partners: Northwestern Medicine®, Ann & Robert H. Lurie Children’s Hospital of Chicago and the Shirley Ryan AbilityLab

• Our goal is to promote Northwestern's culture of collaboration, innovation and translation through team-building, education, and training to empower the multidisciplinary translational research teams of tomorrow

• We provide training, tools, and services to support investigators across the full spectrum of clinical and transitional science research
Center for Education and Career Development

Training the entire spectrum of the translational research workforce

- **Opportunities for research staff**
  - Master of Science in Regulatory Compliance (MSRC)
  - Good Clinical Practice and Clinical Research Coordinator Training (Live & Online Education)
  - Introduction to Research Online Modules
  - Annual translational research conference

- **Opportunities for investigators**
  - Training grants and workshops for early career faculty
  - Team Science training modules
  - Mentor development

900 clinical research professionals have participated in good clinical practice training
Center for Clinical Research

*Provides resources, services and guidance for study teams*

- Study budget preparation, billing and reconciliation support
- Regulatory compliance support
- Research participant recruitment assistance
- Clinical research nurse and non-nurse coordinators for hire
  - Part-time or full-time
- Clinical Research Unit (CRU) at Lurie and NMH

Supported approximately 800 studies in 2016
Center for Translational Innovation

*Accelerates drug and device development through commercialization*

- Partnership with INVO
- Support for new drug and device development
- Funding opportunities
Center for Data Science and Informatics

- Secure, web-based applications
  - REDCap (Research Electronic Data Capture):
    Data collection forms
  - Study Tracker: Clinical trial management system
  - NITRO Recruit: Research registry system

- Northwestern Medicine® Enterprise Data Warehouse (NMEDW) and i2b2:
  - NMEDW: Repository of clinical and research data from Northwestern Medicine
  - i2B2: a free tool to determine the feasibility of conducting a clinical trial

- Additional support
  - Advanced Bioinformatics and Bio-Computation (ABBC) Core: Big data and computation support
  - Biostatistics Collaboration Center (BCC):
    Support for biostatistical, epidemiological, programming, and data management needs

NMEDW contains data on more than 6 million people
Galter Health Sciences Library
*Fully integrated information and knowledge management hub*

- **Research Services**
  - Training and workshops
    - EndNote
    - PubMed
    - Computational Skills for informatics
    - Enhancing the impact of your research
    - Google for biomedical research

- **Scholarly Services**
  - Impact and Evaluation
  - NIH Public Access Policy
  - NIH biosketch
  - DigitalHub

Access to:
- 8,600 e-journals
- 3,000 e-books
- 300 databases
Center for Community Health

Supports community and stakeholder engagement in research

- Develops community, clinical, public health and policy sectors partnerships
- Workshops, seminars and programs on community and stakeholder engagement
- Seed grants for community-academic research teams
- Community-engaged research proposal review and support
- Consultations for design and implementation of community engaged/based projects

Close partnerships with 55 community-based organizations and 140 community healthcare practice sites in Chicago and northern Illinois
Stanley Manne Children’s Research Institute of Ann & Robert H. Lurie Children’s Hospital of Chicago

- Resources and services for Lurie Children’s researchers
- Research Scientist Navigator
- Lurie Clinical Research Units
- Coordinator and Research Staff Services Pool
- Pilot funding
- IRB Authorization Agreement for joint review panel for studies that involve both adults and children
Additional services

• **NUCATS Studio Consultations:**
  – For investigators in the planning stages of a new program or center grant at Northwestern University and affiliate organizations
  – Brings together NUCATS leadership to identify resources to support and enhance grant submissions
  – Opportunity to leverage in-kind or heavily subsidized existing NUCATS resources and services

• **Chicagoland Clinical and Translational Science Award (CTSA) Shared Resources:**
  – Investigators and research staff at Northwestern University, University of Chicago, and University of Illinois at Chicago CTSAbs have access to select resources at the other institutions

• **Trial Innovation Network (TIN):**
  – A network of 64 other CTSAbs that helps execute Multi-center clinical trial or study better, faster, and more cost-efficiently through leveraging the skills and expertise at other networks
Become a NUCATS member

• **NUCATS Membership allows you to:**
  – Request NUCATS services
  – Request a consultation
  – Apply for funding
  – Get the latest news about NUCATS

To join visit:
https://nucats.northwestern.edu/user/login
Cite and Acknowledge the CTSA

NUCATS Institute is funded in part by a CTSA grant from the NIH. Publications are the key metric that Congress, the NIH, and Northwestern use to demonstrate effective use of grant funding.

If NUCATS assists you with research please remember to cite the grant.

To learn more visit: nucats.northwestern.edu/about/ctsa-resources.html
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