



**THE OHIO STATE UNIVERSITY  
CENTER FOR CLINICAL AND  
TRANSLATIONAL SCIENCE**

**PROGRAMS  
AND  
SERVICES**

**2022/2023**



**THE OHIO STATE UNIVERSITY**

CENTER FOR CLINICAL AND  
TRANSLATIONAL SCIENCE

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# The Ohio State University Center for Clinical and Translational Science

The Ohio State University Center for Clinical and Translational Science (CCTS) is a collaboration among The Ohio State University, The Ohio State University Wexner Medical Center and Nationwide Children's Hospital dedicated to turning scientific discoveries of today into life-changing disease prevention strategies and the health diagnostics and treatments of tomorrow.

Funded by a multi-year, Clinical and Translational Science Award (CTSA) from the National Institutes of Health (NIH), the CCTS leverages expertise from every college across the university, including scientists and clinicians from the seven Health Science Colleges, the College of Engineering, Ohio State Wexner Medical Center, Nationwide Children's Hospital, community health and education agencies, business partnerships and regional institutional network partnerships.

The CCTS provides financial, organizational and educational support to biomedical researchers, as well as opportunities for community members to participate in credible and valuable research. In addition, the CCTS provides research consultation services designed to help faculty, staff and service providers manage their translational research projects.

If you have a question about any of the services or programs offered by the CCTS, contact the CCTS concierge at [CCTS-concierge@osumc.edu](mailto:CCTS-concierge@osumc.edu) [email].

## **CCTS Membership**

The goal of the NIH CTSA program is to enhance the translation of basic science discovery to improve human health by enabling researchers to work in unprecedented ways to advance medical research.

To be eligible for participation in our programs and services, a CCTS membership is required. Members have full access to all of our programs, and are the first to receive exciting news about upcoming funding cycles, new voucher programs, educational events and more through our monthly online newsletter, the CCTS Investigator.

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Become a member today by visiting:  
[go.osu.edu/cctsmember](http://go.osu.edu/cctsmember) [external link]  
[www.ccts.osu.edu](http://www.ccts.osu.edu) [external link]

# Clinical Research Support

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Through nursing, nutrition, laboratory and study coordination support cores, the Center for Clinical Research Management's Clinical Research Center (CCRM-CRC) provides Ohio State investigators with the cutting-edge tools and services needed to explore important clinical questions as well as the pathophysiology and treatment of disease. The CCRM-CRC is located in a clinical setting devoted to research activities.

## **Nursing Services**

CRC nurses are an integral part of successful research protocols and have experience caring for participants across all phases of clinical trials. The CRC delivers quality care to all participants and ensures research visits are conducted as safely as possible. Nurses can collect multiple biological samples and assist with medical procedures on the unit.

## **Research Nutrition Laboratory**

CRC Nutrition Research provides a variety of services including collection of dietary records, administration of dietary assessment questionnaires, gold-standard nutrition analysis software, a body-composition suite which includes iDXA, metabolic testing and a metabolic kitchen. Other expertise available includes assistance in grant writing, protocol development, manuscript preparation and weight management or lifestyle coaching for intervention studies. These nutrition resources align with the Strategic Plan for NIH Nutrition Research.

To learn more about the CRC or to request one of their services, please visit:

[ccts.osu.edu/content/participant-clinical-interactions](https://ccts.osu.edu/content/participant-clinical-interactions) [external link]

2nd Floor Dodd/Davis Hall 480  
Medical Center Drive  
Columbus, OH 43210  
614-293-8750

# Clinical Research Support

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## **Analytical and Development and Specimen Processing Laboratories**

CRC labs provide accurate processing and analysis of research samples. IATA-certified lab staff assists with standard and personalized processing, shipping and storage. Analytical and Development lab staff implement sample analysis for multiple types of human and animal samples utilizing many specialized methodologies.

## **Study Coordination**

Clinical Research Coordinators are available to assist with the day-to-day conduct of a study and ensure that research is conducted in compliance with the study protocol as well as federal, state and institutional guidelines and regulations.

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To learn more about the CRC or to request one of their services, please visit:

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# Research Informatics

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Research Informatics is a group of highly trained software engineers, IT professionals and biomedical informatics technicians that leverage skills and tools that exist within Ohio State's Department of Biomedical Informatics (BMI) and The Ohio State University Wexner Medical Center's Information Technology Department to provide informatics-based catalysts in support of novel, multi-disciplinary clinical and translational science endeavors.

## Research Data Capture and Access to Electronic Health Records (EHR)

- Design data capture forms and surveys for research studies using REDCap or Qualtrics. [CCTS-Informatics@osumc.edu](mailto:CCTS-Informatics@osumc.edu) [email]
- Facilitate research-related access to data stored in the Ohio State Wexner Medical Center electronic medical record system (IHIS) and Enterprise Data Warehouse system (IW)
- Provide access to i2b2, the ACT Network and PCORI for cohort discovery within Ohio State
- Design research registries using Scarlet, a registry platform that combines data from EHR, REDCap and other custom data sources

## Research Project Planning, Collaboration and Database Consultation

- Perform informatics requirements analysis and project planning consultations
- Implement, support and facilitate access to research networking tools, including content management systems, web portals and team-science collaboration tools
- Perform consultation on database design, optimization and development
- Facilitate the allocation of database computing and storage resources

## IHIS for Research

- Enable novel web applications that are directly embedded inside the EHR platform
- Collaborate on prospective studies and grants to identify potential methods to leverage EHR to collect data
- Facilitate patient-to-subject recruitment services through EHR
- Design custom workflows, ensuring research compliance, data capture and efficiency

### Research Data Capture (REDCap)

[CCTS-Informatics@osumc.edu](mailto:CCTS-Informatics@osumc.edu) [email]

### EHR Research Data Requests

[CCTS-IWRequests@osumc.edu](mailto:CCTS-IWRequests@osumc.edu) [email]

### PCORI/PCORNE

[PCORI@osumc.edu](mailto:PCORI@osumc.edu) [email]

### ACT/i2b2 Access

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# Recruitment and Retention

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Recruitment and Retention can help design those first touch points with the community and share best practices to help researchers achieve their recruitment and retention goals. To help achieve study recruitment and retention goals, research teams are encouraged to request Recruitment and Retention consultations early in the planning and design stages of their studies.

## **Consultations are available to help research teams with:**

- Best practices for providing great **customer service at every touchpoint** with potential and enrolled participants; (Including suggested use of PI thank you letters, participant satisfaction surveys, role playing and specialized customer service training for your study team)
- **Marketing materials**, design assistance of flyers, postcards and brochures
- Targeted **social media advertising** assistance
- **MyChart for Recruitment** utilizes an honest broker concept to identify and connect with potential volunteers that use the MyChart application
- Referrals from the **Hero Help Line**, a service that helps connect the community to studies
- **ResearchMatch**, a secure NIH sponsored volunteer registry, is available to all research team members at Ohio State; as Institutional Liaisons for ResearchMatch, we provide information to help obtain IRB approval and best practices for recruitment; ResearchMatch is also available in Spanish; researchers should rely on the Institutional Liaisons for help writing recruitment messages sent to registered volunteers
- **StudySearch** was created to enhance visibility and participation in research studies conducted throughout Ohio State and Nationwide Children's Hospital and provides potential study participants an easy way to find basic, descriptive and contact information; If your study is already IRB approved and you are seeking volunteers, there is no additional approval step needed to list your study on StudySearch
- **Recruitment Cafes** are used to open dialogue and share experiences, best practices and resources for recruitment and retention of research studies
- Connecting with various **resources available on campus**

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# Regulatory Knowledge and Support Services

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Navigating the federal and local regulatory landscape can be time-consuming and confusing. The goal of the regulatory knowledge and support services is to advise research studies navigate the requirements for federal and local regulations. Research teams are encouraged to request regulatory consultation early in the planning and design stages of their studies.

## **Consultation is available to help research teams with:**

- **Informed Consent** to support drafting, revising and finalizing consent/electronic consent documents; in addition to providing consent/electronic consent process and document support, a library of template language for various study procedures and their respective risks can be found at: [go.osu.edu/ccts-consent](http://go.osu.edu/ccts-consent) [external link]
- **Protocol Consultation** beyond the scientific background and procedures of a protocol, there are regulatory and ethical issues to observe
- **Data Safety Monitoring Plans (DSMP)** help outline processes that promote safe study conduct; consultation is available for developing and drafting DSMPs
- **Data and Safety Monitoring Boards (DSMB)** assist establishing and operating DSMBs; consultation is available for risk assessment and setup
- **IND/IDE Submission Support collaboration** with the Ohio State Drug Development Institute and Nationwide Children's Hospital's Drug and Device Development Services to help research teams navigate these potentially complex processes
- **Independent Study Safety Monitoring** routinely used for moderate to high risk procedures/trials or trials involving vulnerable populations; study data is reviewed for data quality and integrity, adherence to the protocol, adherence to the DSMP, participant safety, study conduct and progress
- **IRB Submission Review** (Single and Multi-Center Trials) regulatory knowledge and support consultation may be available to shorten the time for approval
- **Regulatory Knowledge and Support Education** through Regulatory Knowledge and Support Seminar Series, NIH Bioethics seminar series and FDA conferences

**April Green**

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# Education and Training Services

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The CCTS has been a national leader with innovative approaches and programs in workforce development for the entire research team. Central to our workforce development efforts are training in mentoring, team science, innovation and role-based core competencies. We offer a comprehensive series of programs and approaches to meet career development needs for all members of the Clinical Translational Science workforce.

## **Mentored Career Development Grants**

### **K12 Mentored Faculty Career Development Grant**

The K12 is designed to benefit a wide spectrum of clinical or translational researchers across Ohio State. The award provides salary support to ensure protected time for mentored research and didactic training in clinical/translational research across a variety of project topics and academic areas. The overall goal of the program is to equip early career investigators to advance from mentored to independent researchers funded by NIH RO1 grants or their equivalents.

### **Path to K Award Mentored Career Development Grant**

The CCTS, Ohio State Office of Research and the College of Medicine have partnered to create a career development program focused on training and preparing biomedical researchers for a successful K grant application. The Path to K Program supports the career development of tenure and clinical track faculty across the seven health science colleges who conduct either patient-oriented or translational research. The grant is available for a period of two years (contingent on satisfactory progress).

### **T32 Mentored Predoctoral Career Development Grant**

The goal of the CCTS T32 Mentored Clinical Research Training Program is to increase the number of well trained, clinician-scientists who can lead the design and oversight of future clinical investigations critical to the nation's biomedical, behavioral and clinical needs. It is part of the NIH Ruth L. Kirschstein National Research Service Award (NRSA) program. The grant provides funding and a tuition and fee award for up to two years.

The **TL1 award** is available to predoctoral candidates and combined health-professional, doctorate-master's candidates with further training in clinical research.

For more information about training and career development, please visit: <https://ccts.osu.edu/>  
[external link]

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# Workforce Development and Clinical Research Professionals Education

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Clinical research requires a fully trained and educated team, including clinical research professionals (CRPs), to ensure all clinical research studies are conducted with efficiency, safety, reliability and compliance with GCPs, regulations and policies.

## What are we working on for you?

- Employing gamification for workforce development, including GCP training
- Creating mini-modules for key clinical translational topics
- Supporting and presenting at Federal Food and Drug Association Workshops
- Developing a catalog of publically available clinical research training at Ohio State and Nationwide Children's Hospital
- Connecting and collaborating with regional CRP workforce development initiatives
- Connecting and collaborating with CTSA hubs through workforce development virtual meetings
- Exploring innovative methods for training delivery such as virtual reality
- Exploring portfolios for CRP workforce development
- Leading activities of the DIAMOND Portal and sharing Ohio State/Nationwide Children's Hospital trainings in DIAMOND
- Researching personalized pathways for CRPs
- Researching the CRP role of nurses
- Establishing a CRP network for listservs, mentoring and leadership development
- Developing and launching a competency-based curriculum for CRP onboarding
- Being a resource for collaborative CRP training
- Supporting research in CRP workforce development
- Supporting NLighten expansions and dissemination
- Serving leadership roles in the ACTS/NCATS Task Force CRP Workforce Development
- Studying assessments of CRP competence

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# Online Master's Programs

## For Clinical and Preclinical Researchers

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Two online master's programs for clinical and preclinical researchers are offered in an asynchronous format through a collaboration among The Ohio State University College of Medicine, College of Nursing, College of Pharmacy and Department of Biological Chemistry.

### Master of Clinical Research (MCR)

The program offers a multidisciplinary curriculum, covering the theory and practice of research methods and statistics, the ethics of human subject and animal research, the science of pharmacology and medical product regulation and the business of research operations and management. Graduates will have acquired the skills and knowledge required to conduct, manage and regulate clinical trials as identified by the Joint Task Force (JTF) for Clinical Trials Competency.

#### **Carolynn Thomas Jones, DNP, MSPH, RN, CRN-BC, FAAN**

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#### **Gina Clark**

MCR Program Coordinator  
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### Master of Science in Translational Pharmacology

Designed for recent science and healthcare graduates and professionals interested in a career in clinical and translational pharmacology, specializing in clinical trial design or preclinical toxicology and safety pharmacology studies. The program has a translational pharmacology focus bridging across the discovery, development, regulation and use of pharmacologic agents to improve clinical outcomes and inform optimal use of therapeutics in patients.

#### Two interdisciplinary specializations are offered:

- Clinical Pharmacology and Clinical Trial Design
- Preclinical Pharmacology: Toxicology and Safety Pharmacology

#### **Jen Plahovinsak, MS, DABT, MCR**

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#### **Ashley Sherf**

Program Assistant  
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<https://pharmacy.osu.edu/online-programs> [external link]

# Biostatistics, Epidemiology and Research Design

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BERD provides a centralized resource of expertise in the biostatistical, epidemiology and design aspects of clinical, translational, basic and population-based research.

**Navigator Model:** To bolster team science, biostatisticians are embedded within a research program and are involved with the research from its genesis. Navigators are familiar with the clinical, biological and statistical issues related to the biomedical domain and serve as points of connection to establish collaborations.

**Workshops:** Workshops about clinical trials and the analysis of genomics data are available. Lectures are also available in core areas like biostatistics, epidemiology and biomedical informatics, including reproducible research.

**Grant Preparation:** Intramural and extramural grant submission assistance is provided including NIH, DOD, AHRQ, PCORI, NSF and foundation grants. BERD works with investigators from the genesis and formulation of research hypotheses, to the design phase and sample size calculations, and finally writing a statistical analysis plan. This includes selecting appropriate study populations and control groups, measures of exposures and outcomes and datasets for secondary data analysis.

**Data Analysis:** Expertise in the analysis of a wide variety of data, including preclinical studies and biomarker discovery ('omics) approaches, complex longitudinal and cross-sectional studies, registry data, data from electronic medical records and clinical trials.

**Multidisciplinary Collaborations:** BERD develops methodology jointly with our clinical, basic and population-level collaborations to promote multidisciplinary team science. We have expertise that spans causal inference, genetic epidemiology, statistical genomics, metabolomics, reproductive and pediatric epidemiology, survival analysis, missing values and clinical trials.

Interested faculty members should enquire with us about planning multi-PI level grants and data coordinating centers.

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# Research Concierge Services

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The Research Concierge provides complimentary consultative services to faculty and staff at Ohio State and Nationwide Children's Hospital to navigate the complex research ecosystem and to connect with experts, resources and services at the CCTS and beyond. Since its inception, the research concierge has assisted with hundreds of requests submitted by faculty, staff, students and the community.

**Frontline Services:** Triage and funnel requests towards CCTS programs, referrals to centers, programs, cores, shared services and other resources across Ohio State and Nationwide Children's Hospital campuses. Also assist as creative problem solvers and integration support to resolve research concerns.

**Research Development:** Identify and promote funding opportunities and match investigators with specialized faculty expertise for concept development and team science. Act as a communication liaison to address research needs rather than bounce from person to person for answers, assist with design, analysis, data collection and management plans, ethics considerations, and regulatory plans. Identify gaps and create new services to enhance research operations and efficiency.

**Research Navigation:** Identify research resources, services, programs and/or specialized equipment for investigators. Help navigate complex research infrastructures, interpret and facilitate compliance with research and clinical policies and procedures and introduction to key leaders and staff.

**Welcome Services:** Provide formal presentations to groups and welcome consultations for new faculty. Promotion and marketing of CCTS programs both internally and externally. Champion translational science to larger research community, internal and external partners and public.

If you would like to request CCTS Concierge services, please send a detailed email to: [CCTS-concierge@osumc.edu](mailto:CCTS-concierge@osumc.edu) [email]

# Community Engagement Services

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The Community Engagement Program is committed to helping research teams at Ohio State and Nationwide Children's Hospital engage with stakeholders through the research process, from forming research questions and study designs to implementation and dissemination of results.

## **The Community Engagement Program is available to help research teams with:**

- Educational opportunities to help research team members learn the most effective ways to identify, engage and incorporate valuable feedback from their stakeholders
- Connect and engage with collaborative research partners across Ohio State and Nationwide Children's Hospital and with local, regional and statewide community partners and organizations (including Central Ohio, Southeastern Ohio/Appalachia and Ohio State Extension offices across the state)
- Cultural competency and dissemination opportunities to connect with stakeholders via Science Cafés and Community Advisory Boards
- Community Scientist Academy provides an opportunity for community stakeholders to learn more about translational research and the various ways they can get involved via a five-week program (meets once per week)
- Consultation and feedback from Community Engagement Program staff and Community Advisory Boards Community Engagement Pilot grants through the Community Engagement Program's partnership with the CCTS Pilot and Collaborative Studies Program
- Appalachian Translational Research Network (ATRN) provides a network of academic research institutions designed to establish partnerships and connect with communities and organizations in the Appalachian Region

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# Pilot Translational and Clinical Studies Program

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The Pilot Translational and Clinical Studies (PTC) Program supports innovation in translational science and workforce development by funding meritorious pilot projects. The goal is to reinforce the development of new cross-disciplinary, research teams from The Ohio State University and Nationwide Children's Hospital to develop new technologies and methodologies for clinical and translational research.

## **The Pilot program can help:**

- Create opportunities to promote clinical and translational research that focus on the creation of new cross-disciplinary teams and collaboration across departments, centers, universities and industries
- Provide opportunities and tools for early-stage investigators (ESI's) to enhance their career development
- Promote and provide expertise in clinical and translational research tools (biostatistics, biomedical informatics, translational technology resources and mentors, cost-shared access to institutional core facilities) to meritorious investigators and teams

Pilots are funded for one year, typically June 1 – May 31, aligning with the CCTS grant year. On average pilot programs are awarded \$20,000 - \$50,000. All pilot programs will be reviewed by a group of external, internal and community reviewers prior to approval.

**Jasmine Neal**

Program Manager

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# Academy of Community Reviewers

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The CCTS and our pediatric partner, Nationwide Children's Hospital, value the opinions and input of our patients and community members in the research that we fund. The Academy of Community Reviewers (ACR) was developed to foster bi-directional alliances and dialogue between academic researchers and community stakeholders.

The ACR is a series of workshops dedicated to educating and empowering patients and community members to actively engage in every phase of the translational process. Upon completion of the workshop curriculum community members participate as grant reviewers for CCTS Pilot funding programs.

Expanding upon the curriculum of the Community Scientists Academy, participants are trained to review and score scientific research proposals based on NIH review criteria and provide meaningful perspectives that contribute toward grant decision-making. Participants are also trained to engage with academic researchers as stakeholder advisors to participate in Co-Design Studio. Complimentary curriculum topics include health equity, Diversity, Equity and Inclusion (DEI) and implicit bias.

**Jasmine Neal**

Program Manager

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# Participant Clinical Interactions Program and Trial Innovation Network

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## **The Participant Clinical Interactions (PCI) Program**

Administrative support for investigator-initiated single site and multicenter clinical research trials. The PCI Program provides facilities and resources to investigators conducting human subject research at Ohio State and Nationwide Children's Hospital. Additionally, this effort supports studies that align with the Strategic Plan for NIH Nutrition Research.

PCI connects investigators to local established clinical and translational research entities, leveraging collective resources and expertise of:

- Ohio State College of Medicine Center for Clinical Research Management (CCRM)
  - Clinical Research Center (CRC)
- Ohio State Comprehensive Cancer Center Clinical Trials Office (CTO)
- Nationwide Children's Hospital Clinical Research Services (CRS)

PCORI and NIH proposal development services are provided through CCTS PCI program for multicenter clinical research trials for:

- Study budgets
- Project management plans
- Leadership/organizational plans
- Securing letters of support

## **NIH-funded Trial Innovation Network (TIN)**

A national collaborative aimed at improving investigator-initiated, multicenter trial operations for Clinical and Translational Science Award (CTSA) consortium members across the United States.

The TIN provides services for all aspects of proposal development and execution including:

- Development of robust recruitment plans and materials serving as a central IRB
- Serving as a clinical and/or data coordinating center
- Efficacy to Effectiveness (E2E) consultations on clinical trial design

**Amy Bartlett, BA, CCRC**

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# CCTS Voucher Program

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The CCTS facilitates and supports the translation of scientific discoveries into innovations that improve health. To help achieve this mission and advance translational research, CCTS is awarding vouchers to provide funding support to investigators who require assistance from an eligible Ohio State or Nationwide Children's Hospital core service to enable preliminary work and generate data for new or ongoing projects and/or to secure fee-based core services for expert consultation services with the ultimate goal of furthering clinical and translational research.

These awards are intended to be used on projects that are ready for services immediately ("just in time" data). The CCTS will award Ohio State and Nationwide Children's Hospital investigators vouchers worth up to \$3,000 in core services per investigator and per project. New to the program is the CCTS Collaboration Voucher. The goal of this voucher is to increase collaboration across colleges and institutions. Projects with investigators from two or more colleges or institutions are eligible for up to \$5,000 in funding.

The voucher program is open from June to May and processes applications on a rolling basis:

- Initiate a voucher request at [myccts.osu.edu](http://myccts.osu.edu) [external link]
- Complete the voucher intake form (REDCap survey)
  - All projects receive regulatory and science checks.
  - All voucher awards must be for translational research focused on clinical research (including use of human samples) across the T0-4 translational spectrum.

Cores providing services are responsible for:

- Completing the cost calculation by answering the questions in the cost calc REDCap survey
- Uploading a quote or statement of work
- Sending invoices to the CCTS financial personnel
- Vouchers are not active until all parties (PI, requester, service core and CCTS financial personnel) have a copy of the award letter signed by the PI
- Services invoiced to the voucher program cannot take place prior to the voucher award date

### Core services and programs currently available for voucher awards:

- Analytical Cytometry Shared Resource
- Recruitment, Intervention and Survey Shared Resource (RISSR)
- Bioinformatics Shared Resource (BISR)
- Biostatistics
- Biostats - MarketScan
- Campus Microscopy and Imaging Facility (CMIF)
- Campus Chemical Instrument Center (CCIC) NMR Facility
- Center for Design and Manufacturing Excellence
- Clinical Research Center: Analytical and Development Lab, Nursing Services, Research Nutrition Lab
- Community Engagement Partnerships
- Comparative Pathology and Digital Imaging Shared Resource
- Comprehensive Transplant Center /DHLRI Human Tissue Biorepository Core Facility
- Data and Safety Monitoring Board
- Genomics Shared Resource
- Genetically Engineered Mouse Modeling Core
- Mass Spectrometry and Proteomics (CCIC-MS&P)
- Medicinal Chemistry
- Multiscale Mechanical Characterization of Materials
- Nationwide Children's Hospital: Biobehavioral Outcomes Core (BBOC), Biopathology Center Core Services (BPC), Drug and Device Development Services (DDDS), Research Information Solutions and Innovation (RISI)
- Nuclear Magnetic Resonance Facility (CCIC-NMR Facility)
- Nutrient and Phytochemical Shared Resource (NPASR)
- Pathology
- Pharmacanalytical Shared Resource
- Pharmacogenomics Core Lab
- Research Informatics Services: IHIS for Research, Information Warehouse, REDCap, Registries
- ResearchMatch Account Management
- Small Animal Imaging
- Statistical Consulting Service (College of Arts and Sciences)
- Veterinary Clinical Trials Office
- Veterinary Biospecimen Repository

Additional services are being phased into the program, please continue to check our website to see if a service you need has been added at: [ccts.osu.edu/content/cores-and-services-available](https://ccts.osu.edu/content/cores-and-services-available) [external link]

If you have a core or service, you would like to add to the voucher program you can apply at: [ccts.osu.edu/content/add-voucher-core](https://ccts.osu.edu/content/add-voucher-core) [external link]

Direct all questions about the voucher program to: [cctsvoucher@osumed.edu](mailto:cctsvoucher@osumed.edu) [email]

Request a CCTS Service: [myccts.osu.edu](https://myccts.osu.edu) [email]

If you have a core or service, you would like to add to the voucher program you can apply at: [ccts.osu.edu/content/add-voucher-core](https://ccts.osu.edu/content/add-voucher-core) [external link]

# Comparative and Translational Medicine

## Advancing the Health of Animals and Humans

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The goal of the Comparative and Translational Medicine (CTM) program is to leverage natural diseases in animals to create an integrated platform for collaborative research, therapeutic interrogation, cross-disciplinary training and outreach across Ohio State, Nationwide Children's Hospital and its partners. The program supports interactive, multi-disciplinary research through several initiatives with the overriding goal of advancing the diagnosis and treatment of diseases in veterinary patients while enhancing the health of humans through comparative and translational studies.

### **Sarah Moore, DVM, DACVIM**

Program Director

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### **Annie Adrian**

Administrative Associate

614-292-4185

[adrian.22@osu.edu](mailto:adrian.22@osu.edu) [email]

### **CTM Initiatives Include:**

#### **Nodes of Comparative Medicine**

The nodes of comparative medicine consist of organized teams of researchers and clinicians focusing on specific health areas of high translational potential. Node leaders work to connect researchers and veterinary clinician-scientists to facilitate veterinary clinical trials on the translational spectrum.

### **Laura Selmic, MPH, DVM, DACVS**

Comparative Oncology

[selmic.1@osu.edu](mailto:selmic.1@osu.edu) [email]

### **Michael Oglesbee, DVM, PhD**

Infectious Disease

[oglesbee.1@osu.edu](mailto:oglesbee.1@osu.edu) [email]

### **Sarah Moore, DVM, DACVIM**

Neuromusculoskeletal Disease

[moore.2204@osu.edu](mailto:moore.2204@osu.edu) [email]

### **Jenessa Winston, DVM, PhD, DACVIM**

Comparative Hepatobiliary and Intestinal Disease

[winston.210@osu.edu](mailto:winston.210@osu.edu) [email]

For more information, please visit: <https://vet.osu.edu/vmc/cto> [external link]

### **Translational Therapeutics Think Tank (T4)**

The mission of the Translational Therapeutics Think Tank (T4) is to provide consultation and guidance for investigators working on novel drug/device discovery and development within the Ohio State and Nationwide Children's Hospital communities. Investigators can request a meeting with a panel of content experts customized to their specific research-related questions by visiting [go.osu.edu/ccts-t4](http://go.osu.edu/ccts-t4) [external link]

### **The Blue Buffalo Veterinary Clinical Trials Office and the Biospecimen Repository**

The BBVCTO has a mission to advance the diagnosis and treatment of disease in veterinary patients through interdisciplinary collaborative research efforts within the CVM, Ohio State and Nationwide Children's Hospital communities while improving the health of humans through comparative research efforts.

#### **The BBVCTO is available to:**

- Assist with protocol development
- Interface with industry sponsors
- Confirm compliance with appropriate approvals
- Formulate and review study budgets
- Conduct studies according to GCP guidelines
- Generate CRF's and data capture/REDCap
- QA/QC Data
- Recruit patients through various marketing tools
- Oversee and assist with clinical trial performance
- Provide study financial management
- Collect, process and store study samples
- Biospecimen sample requests are available at: [eramp@osumc.edu](mailto:eramp@osumc.edu) [email]

#### **Sarah Moore, DVM, DACVIM**

Director

614-292-3551

[moore.2204@osu.edu](mailto:moore.2204@osu.edu) [email]

#### **Holly Borghese, DVM**

Biospecimen Repository Manager

614-292-3551

[borghese.19@osu.edu](mailto:borghese.19@osu.edu) [email]

# Nationwide Children's Hospital

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On-site basic, clinical and general core services at Nationwide Children's Hospital offer the latest resources for cutting-edge research support to ensure investigators have the tools they need to continue Nationwide Children's Hospital's mission of enhancing the health of all children.

**NCH Offers services in the following core programs:**

## **Biobehavioral Outcomes Core (BBOC)**

614-722-1389

Services include consultation in design of research with behavioral components including:

- Selection of behavioral measurement techniques and instruments
- Assistance in behavioral outcomes
- Sections of grant applications and manuscripts
- Assistance with collection, scoring and analysis of behavioral data
- Assistance with qualitative methods

## **Biopathology Center (BPC)**

614-722-2897

Services include biospecimen processing, banking, distribution and virtual microscopy.

For more information visit: [NationwideChildrens.org/shared-BPC](https://www.nationwidechildrens.org/shared-BPC) [external link]

## **Clinical Research Services (CRS)**

614-722-2650

Streamlined coordination of services necessary to initiate clinical research projects, regardless of funding source, as well as provision of staff and/or services to manage studies according to Good Clinical Practice and federal, state and institutional regulations and guidelines. For more information contact [CRSHelps@NationwideChildrens.org](mailto:CRSHelps@NationwideChildrens.org), or visit <https://www.nationwidechildrens.org/research/resources-infrastructure/core-facilities/clinical-research-services> [external link] (Nationwide Children's Hospital only)



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# Nationwide Children's Hospital

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## **Integrating Special Populations (ISP) Program**

The ISP program offers free consultations about inclusivity in research program design to Nationwide Children's Hospital and Ohio State faculty investigators and study teams interested in integrating special populations in research, as well as pilot funding to support research initiatives involving groups that are frequently underrepresented in clinical and translational research. The ISP pilot program supports new applications annually and is focused on research programs aimed at the study of special populations or who are seeking to enhance an existing program to be more accessible to diverse participants. For more information visit: [CCTS.OSU.edu/content/ISP](https://CCTS.OSU.edu/content/ISP) [external link]

## **Intramural Funding (IMF) Program**

614-722-2166

IMF grants are available to physicians, psychologists and other clinical staff with an Ohio State faculty appointment, including residents and fellows. Research Institute faculty are eligible if collaborating with a Nationwide Children's Hospital clinician. Fellows can apply for up to \$10,000, and faculty can request up to \$50,000. There are three application cycles annually, with special RFAs announced to target areas of interest.

For more information visit: <https://www.nationwidechildrens.org/research/resources-infrastructure/core-facilities/clinical-research-services> [external link] (Nationwide Children's Hospital only) or contact [IntramuralFundingOffice@NationwideChildrens.org](mailto:IntramuralFundingOffice@NationwideChildrens.org) [external link]

## **Research Information Solutions and Innovation (RISI)**

Director: Yungui Huang, PhD

RISI provides IT data processing assistance to researchers throughout the process from acquisition, curating and management to analysis and visualization, including both clinical and non-clinical basic research data. For more information visit: [NationwideChildrens.org/Computational-Resources](https://NationwideChildrens.org/Computational-Resources) [external link]



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# Acknowledging the CCTS

NIH requires researchers to acknowledge CTSA grant support in publications for use of CCTS services and resources.

If you accessed any services from The Ohio State Center for Clinical and Translational Science, you are required to cite and submit the CTSA Grant UL1TR002733 with your publication.



Publications supported by the OSU CCTS must cite the CTSA grant number (UL1TR002733) and by law, be submitted to PubMed Central. For instructions, review the NIH Public Access Policy on the CCTS website.

## UL1TR002733

For any research project that received any benefit from the CCTS (funding, use of tools, services, resources, collaborations, etc.), it is an NIH requirement to acknowledge the CTSA grant number of the institution providing support in any current or future publications. This acknowledgment is tracked and reported to the NIH and is used as a key metric for the success and continued funding of Ohio State CCTS.

**The language provided below is recommended for citing the CTSA grant in supported research:**

### **CCTS Services, Resources and Pilot Awards**

The project described was supported by Award Number Grant UL1TR001070 from the National Center For Advancing Translational Sciences. The content is solely the responsibility of the authors and does not necessarily represent the official views of the National Center For Advancing Translational Sciences or the National Institutes of Health.



### **Scholar Awards (KL2)**

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**Cite & SUBMit**

Publications supported by the OSU CCTS must cite the CTSA grant number (KL2TR002734) and by law, be submitted to PubMed Central. For instructions, review the NIH Public Access Policy on the CCTS website.

**KL2TR002734**

### **Trainee Awards (TL1)**

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**Cite & SUBMit**

Publications supported by the OSU CCTS must cite the CTSA grant number (TL1TR002735) and by law, be submitted to PubMed Central. For instructions, review the NIH Public Access Policy on the CCTS website.

**TL1TR002735**

For non-competing continuation grant awards with a start date of July 1, 2013 or beyond: the NIH will delay the processing of an award if publications arising from it are not in compliance. When accessing the aforementioned services, please remember to cite and submit the CTSA grant UL1TR00273 with your publication. The NIH also requires researchers to submit publications to PubMed Central for all journals that do not automatically submit them.

For more information on Cite and Submit, review the NIH Public Access Policy: <https://publicaccess.nih.gov/> [external link]