

Research Operations

Amy Hazen, PhD – Senior Director



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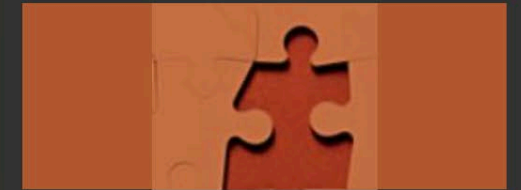
Cores and Shared Research Resources

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Clinical Trials

Clinical trials have helped us to discover new treatments that make our lives better. Consider making an impact on health care by participating in a clinical trial.





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Delivering Innovative Solutions for the Future

The University of Texas Houston Health Science Center (UTHealth) is recognized internationally as one of the world's great research universities. UTHealth connects research, education, patient care and outreach in bold, innovative ways. Basic scientists and clinical researchers from all disciplines work together to deliver innovative solutions that create the best hope for a healthier future.

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A part of Agilent Technologies
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Atomic Force Microscopy Facility

Atomic force microscopy (AFM) has emerged as a key platform for studying the morphological and nanomechanical properties of living biological systems. It is making a vital contribution towards understanding various pathological disorders and the development of innovative therapeutic approaches.

Services of our core include:

- AFM imaging combined with bright-field/fluorescence microscopy
- Topographical imaging of samples in air or liquid environments
- High-resolution imaging at the nanometric scale
- Time-lapse experiments that show real-time changes in sample structure
- Nano-probing of samples to measure the interaction of forces between molecules
- Studies of local micromechanical properties of samples (elasticity, stiffness, adhesion, roughness)
- Data analysis for determination of homogeneity of samples, size distribution, position, mapping and 3D imaging

Please contact the core director for consultations. Service requests are available through our [iLab portal](#).

Core Director: Ana Maria Zaske, PhD

Email: ana.m.zaske@uth.tmc.edu

Phone: 713-486-5418

Biomedical Informatics

A diverse group of Informaticians and IT professionals with backgrounds in Computer Science, Applied Mathematics, Project Management, Library Sciences, Biology. We collect, interpret, and manage data for the support of clinical and translational research. As co-investigators we develop new methods for reusing data for research.

All of our services are available for reservation through our [iLab portal](#).
Please view our main webpage [here](#).

UTHealth Cancer Genomics Center

The UTHealth Cancer Genomics Center (CGC) provides next-generation sequencing (NGS) and advanced bioinformatics services to the cancer and related investigators in UTHealth, Texas Medical Center, and other Texas regions. Services include, but are not limited to, biospecimen collection and management, DNA, RNA and other sample preparation, library construction, sequencing, bioinformatics services and support, consultation of study design and grant proposal development. The core can perform the analysis of omics data generated elsewhere too.

Please view our main webpage [here](#).
All of our services are available for reservation through our [iLab portal](#).

Core Director: Zhongming Zhao, PhD, MS
Email: zhongming.zhao@uth.tmc.edu
Phone: 713-500-3631

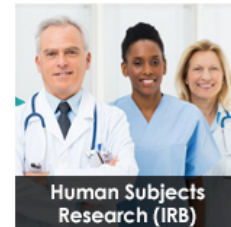


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iLab Core Management System

Allows easy scheduling of research services at UTHealth

Allows easy payment for services through financial integration

Allows easy connection with other UT System research service centers

<https://uthealth.corefacilities.org>

iLab Solutions

A part of **Agilent Technologies**

THE UT SYSTEM CORE SHARING NETWORK

Driving Discoveries. Achieving Possibilities.

Welcome to the Core Facilities Network for the University of Texas System!

Our mission is to support and enhance the quality and competitiveness of research and education throughout the State of Texas and beyond by providing researchers with access to state-of- the-art core facilities supported at UT System Institutions.

The UT System Core Facilities Network offers quick and secure access to the tremendous research products, services and expertise found throughout all of our Institutional Shared Resources. This Network is enhanced by our partnership with iLab Solutions which provides a core facility management system that enables researchers to examine offerings from all of our participating institutions, to initiate core facility service requests and equipment scheduling and to monitor usage tracking, billing and invoicing. The Network gives consumers a consolidated view of their recent activity in the system as well as the ability to search across all equipment, services and cores in the system.

Participating institutions include:



Core Facilities



View **Cores at My Institutions** ▾

Search table...

Core Name	Primary Contact	Email	Phone Number
University of Texas Health Science Center			
UTHealth Atomic Force Microscopy	Ana Maria Zaske, PhD	Ana.M.Zaske@uth.tmc.edu	713-486-5418
UTHealth B.R.A.I.N.S. HumanBiorepository and Histopathology Core	Chunfeng Tan	chunfeng.tan@uth.tmc.edu	
UTHealth BIG-ARC (Biomedical Informatics Group - Analytics Research Center)	Elmer Bernstam, MD,MSE	Elmer.V.Bernstam@uth.tmc.edu	
UTHealth Cancer Genomics Center	Zhongming Zhao, PhD	zhongming.zhao@uth.tmc.edu	(713)-500-3631
UTHealth Cellular Therapy Core	Fabio Triolo, Ph.D.	Fabio.Triolo@uth.tmc.edu	713-500-7309
UTHealth Center for Advanced Microscopy	Ryan Durham, Ph.D.	Ryan.Durham@uth.tmc.edu	713-500-7378
UTHealth Center for Craniofacial Research Instrumentation Core (CCRIC)	Lisette A. Cruz, PhD	ccric@uth.tmc.edu	713-486-4476
UTHealth Cryo-EM Core	Irina Serysheva, Ph.D.	Irina.I.Serysheva@uth.tmc.edu	713-500-5523
UTHealth Flow Cytometry Service Center	Ville Meretoja, Ph.D.	ville.meretoja@uth.tmc.edu	713-500-2486
UTHealth Histopathology Core	Gustavo Ayala, MD	Gustavo.E.Ayala@uth.tmc.edu	713-500-5356
UTHealth Magnetic Resonance Imaging Core	Michael A. Jacobs, PhD	Michael.A.Jacobs@uth.tmc.edu	713-500-7677
UTHealth MicroCT Imaging Facility	Sean P. Marrelli, PhD	sean.p.marrelli@uth.tmc.edu	

Core Facilities



Core Name	Primary Contact	View	Phone Number
AdvanSix Hopewell - Agilent ACOI		<div>Cores at Other Institutions</div> <div>Cores at My Institutions</div> <div>Cores at Partner Institutions</div> <div>Cores at Other Institutions</div> <div>Cores at Partner Networks</div>	

View

Cores at Other Institutions

Electron Microscopy



Core Name	Primary Contact	Email	Phone Number
Arizona State University – Eyring Materials Center			
John M. Cowley Center for High Resolution Electron Microscopy (CHREM)	CHREM	EMC@asu.edu	(480) 965-7242
Life Science Electron Microscopy Lab	Life Science Electron Microscopy Lab	EMC@asu.edu	(480) 965-3210
Augusta University			
Electron Microscopy and Histology Core	Donna Kumiski	dkumiski@augusta.edu	(706) 721-6278
Baylor College of Medicine – Baylor College of Medicine Advanced Technology Cores			
Cryo Electron Microscopy and Tomography Core	Steven Ludtke, PhD	sludtke@bcm.edu	7137989020
Boston University			
Cryogenic Electron Microscopy Core Facility	Chad Hicks	hickscw@bu.edu	617-358-8471
Case Western Reserve University			
Cryo-Electron Microscopy Core Facility	Kunpeng Li	kxl662@case.edu	7654215516
City of Hope			
Electron Microscopy and Atomic Force Microscopy Core	Zhuo Li, PhD	zhuoli@coh.org	626 218-8265
Clemson University			
Electron Microscopy	Laxmikant V. Saraf, Ph.D.	LSARAF@clemson.edu	864-656-7535
Columbia University			
Cryogenic Electron Microscopy (Biochemistry and Molecular Biophysics)	Robert Grassucci	rg2502@cumc.columbia.edu	(212) 305-9520

Memorandum of Understanding (MOU)

- [The University of Texas System](#)
UTMB, UTAustin, UTArlington, UTSW, UTSA, etc.
- [Gulf Coast Consortia](#)
BCM, TAMU IBT, MDACC, Rice, UTMB, UofH, UTHealth, HMRI
- **Allows usage of research resources at other institutions**
Collaborative spirit in science
If we don't have what you need our neighbors can help!



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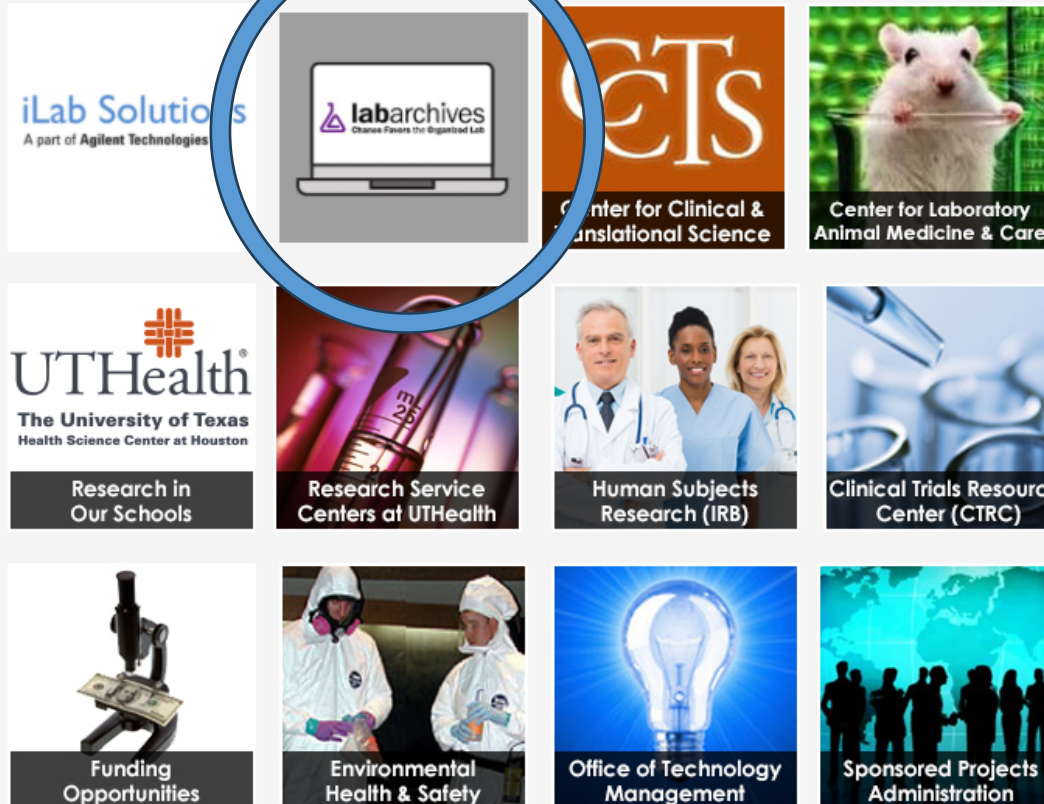
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Office of Research Administration

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LabArchives : What is an ELN?



An Electronic Lab Notebook (ELN) is a tool for keeping track of your research, collaborating with others, and sharing resources.

LabArchives ELN is flexible **cloud-based platform** and can be accessed anywhere you have an internet connection.

Everything that is uploaded or entered into LabArchives is searchable, **time- and date-stamped**, and versioned, making it easy to keep track of all of your research data.

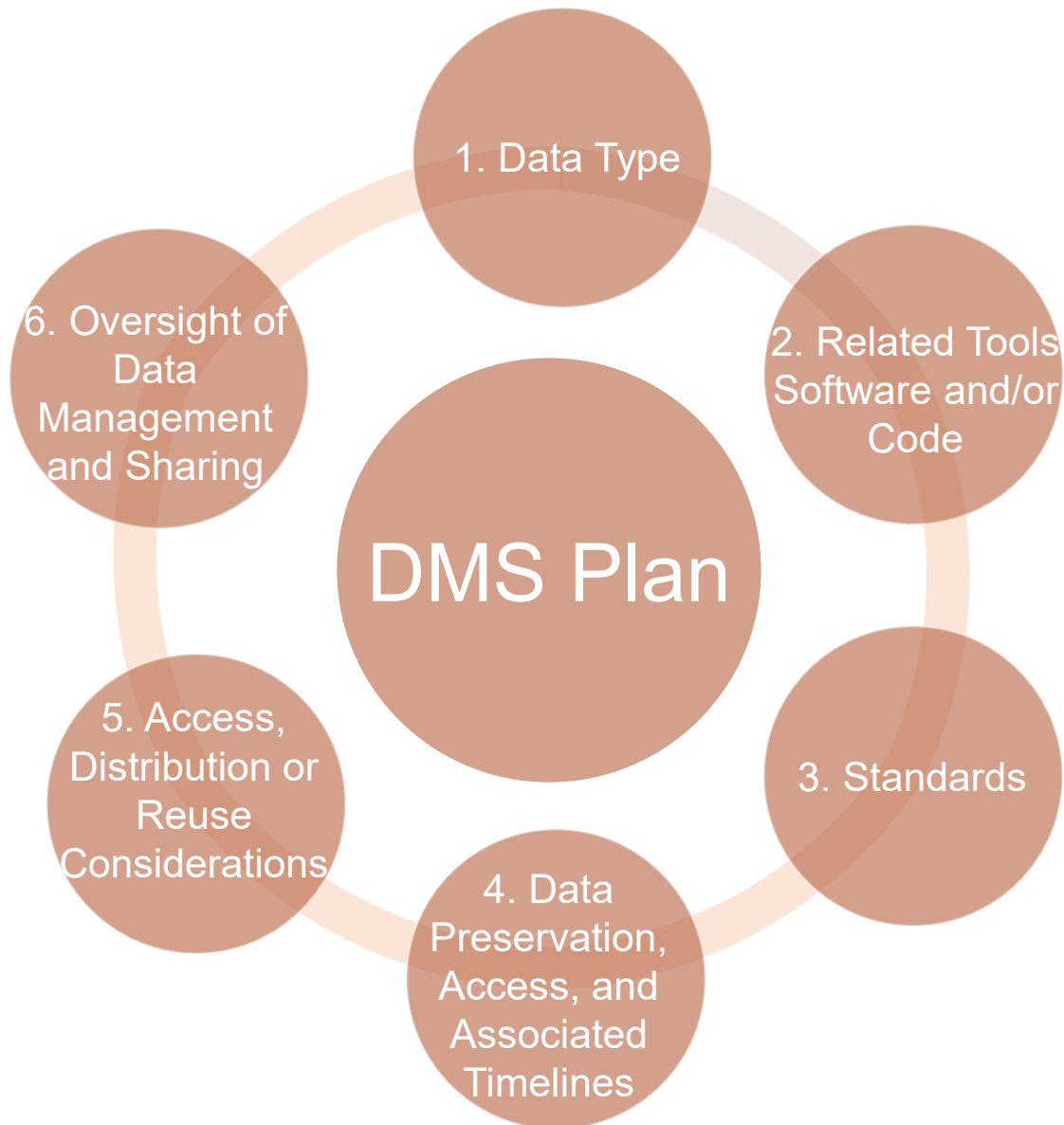
- The ability to share and collaborate on notebooks by multiple parties
- The ability to store multiple file types in one organized location
- The ability to create templates and custom forms for routine laboratory tasks
- The ability to provide feedback on students' notebooks (active communication)
- Storage of every version of every file, recording the date, time, and username.

Data Management and Sharing Plans

A recent policy from the NIH Policy requires all grant applications that generate scientific data to include a robust and detailed plan for how the data will be managed and shared during the entire funded period.

The purpose of a DMS plan is to foster good data stewardship and promote a cultural shift where good data management and data sharing are the norm.

What is included in a DMS plan:



Element 1: Types and amount of scientific data expected to be generated in the project

Element 2: Related tools, software and/or code

Element 3: Common data standards or if applicable, indicate that no consensus standards exist

Element 4: Data repository, unique identifiers and timeline for sharing

Element 5: Access, distribution, or reuse considerations (typically related to privacy restrictions)

Element 6: Oversight of Data Management and Sharing = standard institutional language

DEPUT: Data Ecosystem Portal for UTHealth Houston

PI Dashboard

Dr. Amy Lauren Hazen - amy.hazen@uth.tmc.edu

My DMS To Do 3 My Awards 4 My Data Repositories 2

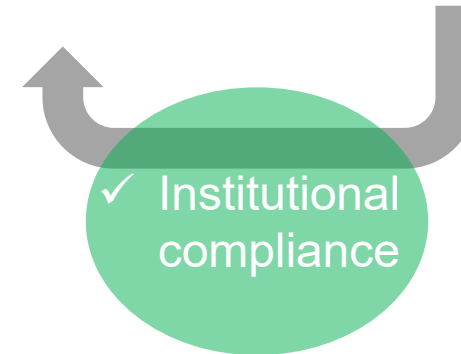
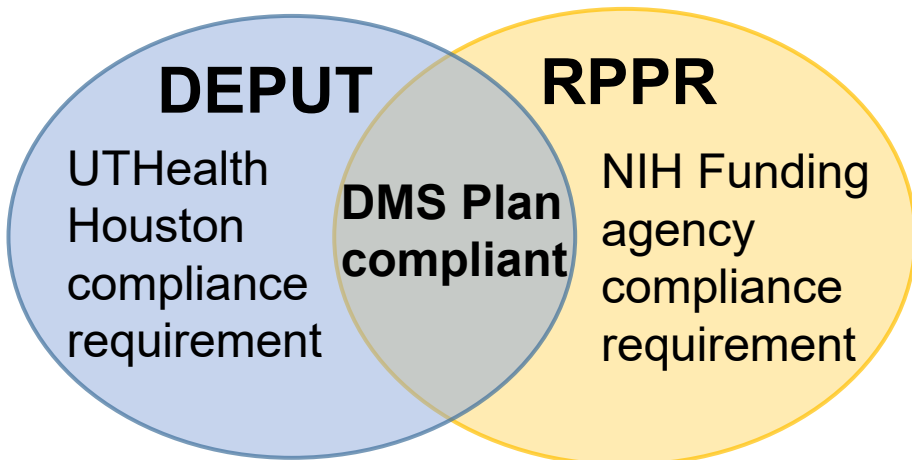
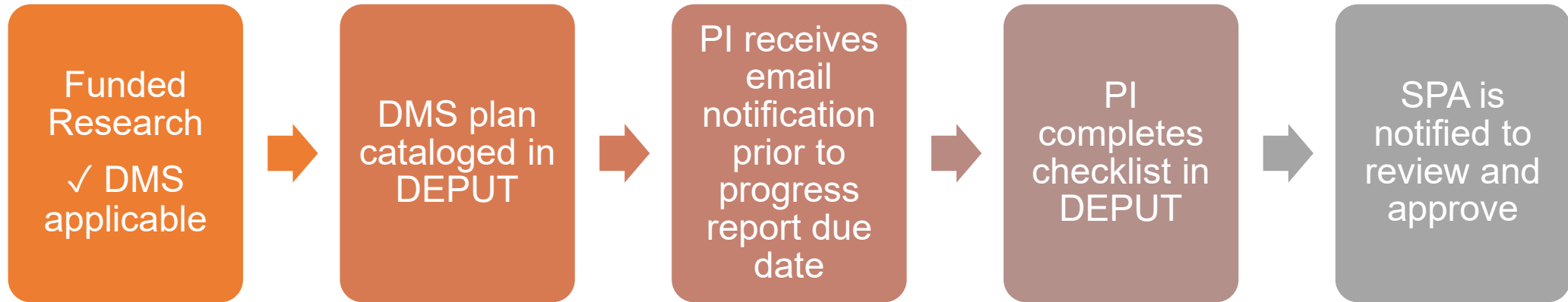
Award Number	UTSTART Project Number	Project Title	Contact PI	Granting Agency	Project Start-End Date	DMS Status	Actions
R35NR876436	P020388	Overdue RPPR Example	Judy Smith	NINR	09/15/2024 - 06/30/2026	Active	Show/Hide DMS progress report
R01CA096536	P035678	RPPR Due Very Soon #1	John Miller	NCI	12/01/2023 - 11/30/2029	Active	Show/Hide DMS progress report
R01AR358965	P04567	RPPR Due Very Soon #2	Sandra School	NIAMS	12/01/2023 - 11/30/2029	Active	Show/Hide DMS progress report
RO1AT986578	P05433	RPPR Due in the Future	Carmen Martinez	NCCIH	02/01/2023 - 01/31/2028	Active	Show/Hide DMS progress report

My DMS To Do 3 My Awards 4 My Data Repositories 2

Award Number	UTSTART Project Number	Year	Start date	End date	Due Date	Status	Actions
R35NR876436	P020388	2023 - 2024	09/15/2023	09/14/2024	09/15/2024	Overdue	
R01CA096536	P035678	2023 - 2024	12/01/2023	11/30/2024	10/15/2024	In progress	
R01AR358965	P04567	2023 - 2024	12/01/2023	11/30/2024	10/15/2024	In progress	

The institutional Data Ecosystem Portal for UTHealth Houston (DEPUT), this institutional oversight management portal for DMS validation and tracking will catalog all DMS plans. Annually, the project Contact PI will update the data sharing status in DEPUT, and the institutional office of Sponsored Projects Administration (SPA) will perform confirmation of data deposition to a repository as indicated in the DMS plan.


DMS COMPLIANCE:



Limited Submission Grants

- Limited number per institution
- Internal review process to select institutions representative
 - Pre-applications varies by opportunity
 - Assemble internal review panel
 - Email to Amy.Hazen@uth.tmc.edu by the stated internal deadline
- Only announce certain opportunities cyclically
- Please see our webpage for open opportunities:
 - www.uth.edu/evpara/funding.htm
- Other of interest, please reach out to us directly

Cyclical Limited Submission Grants

- CPRIT Core Facility Support Awards
 - CPRIT High-Impact/High-Risk Research Awards
 - CPRIT Clinical Investigator Award
 - CPRIT Multi-Investigator Research Award
 - Blavatnik National Awards for Young Scientists
 - Searle Scholars Program
 - Dunn Foundation Collaborative Research Award
 - Pew Scholars Program in the Biomedical Sciences Award
 - Ted Nash Long Life Foundation
- 

UTHealth START SPIN : Sponsored Programs Information Network

The screenshot shows the UTHealth START SPIN web application. At the top, the logo for UTHealth and START is displayed. Below the logo is a navigation bar with the following menu items: Home, My Profile, Locate My Records, Locate Records, Calendar, Messages, and Assignments. The main content area is divided into two sections. On the left is a sidebar menu with the following items: Sponsored Projects, Financial Tracking, Agreements, Subawards, Subrecipients, My Projects, and SPIN. The SPIN item is circled in blue. On the right is the main content area, which is titled "Assignments". It features two dropdown menus: "Open" and "Your action items". Below these is a text box that says "Drag a column header and drop it here to group by that column". Below the text box is a table with the following columns: Module, Record Number, Record Owner, Object, Assignment Type, Record Status, Subject, and Assigned. The table is currently empty, and the text "No results found." is displayed in the center.

UTHealth | START

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Sponsored Projects

Financial Tracking

Agreements

Subawards

Subrecipients

My Projects

SPIN

Assignments Open Your action items

Drag a column header and drop it here to group by that column

Module	Record Number	Record Owner	Object	Assignment Type	Record Status	Subject	Assigned
No results found.							

Add New

Locate Funding

Full Program ▾ Contains ▾ ✕

Exclude US Federal Opportunities
You have additional filters active. [Click here to edit them.](#)

SPIN Search Options ✕

Limit search to newly created programs (in days)

Limit search to new or recently updated programs (in days)

US Federal Opportunities

Limited Submission Opportunities

Opportunities that have no documented future deadlines

Select Currency to display *

Over 1,500 limited submission opportunities

Philanthropic Funding Opportunities

The Office of Development's Corporate and Foundation Relations team manages partnerships with corporations and private foundations on behalf of UTHealth Houston. Their primary focus is on securing philanthropic support by:

- Assisting UTHealth Houston leadership and faculty with donor strategy development, relationship building, and any required proposal/application processes, and
- Helping corporations and foundations achieve their mission by aligning their philanthropic giving with programs across the institution.

Reminder: Philanthropic support requires that a donor not expect goods, services, or any other benefit in return.

Examples of Philanthropic Funding

Kleberg Foundation

Grants supporting highly innovative and groundbreaking medical research from top tier institutions in both basic biological and applied research that will have the greatest impact on scientific knowledge and human health.

Keck Foundation

The W. M. Keck Research Program seeks to benefit humanity by supporting Medical Research projects that are distinctive and novel in their approach, question the prevailing paradigm, or have the potential to break open new territory in their field.

Mathers Foundation

The Mathers Foundation's grants program seeks to support innovative, potentially transformative basic science projects in fields including immunology, microbiome, genomics, structural biology, cellular physiology and neuroscience.

Office of Development – Contact Information

If you have questions about philanthropic funding opportunities or are uncertain whether a submission should route through the Office of Development or Sponsored Projects Administration, please contact:

Amanda Swift

Executive Director of Development, Corporate and Foundation Relations

713-500-3213

Amanda.Swift@uth.tmc.edu

Letter of Support

Core Directors

- Technical expertise, assay development
- Proof your methods section for feasibility

Program support

- Multi-institutional user groups
- Cross utilization / multiple platforms

Institutional support

- Institutional contribution / matching for large equipment, space mods

Office of Research Operations

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Samantha.Staton@uth.tmc.edu

Administrative Analyst



UTHealth[®] Houston



Just ask!