

Activities to Promote Technology Research Collaborations (APTRC) *PA-17-143*

Pre-Application Webinar

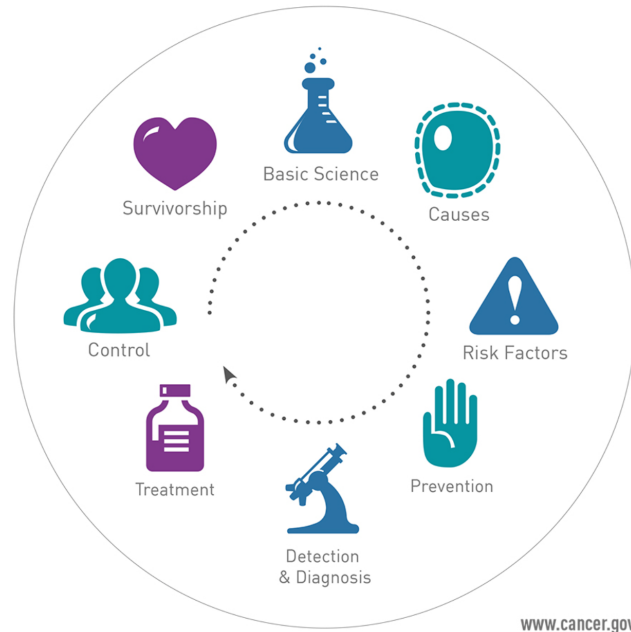
Juli Klemm, PhD

Tony Dickherber, PhD

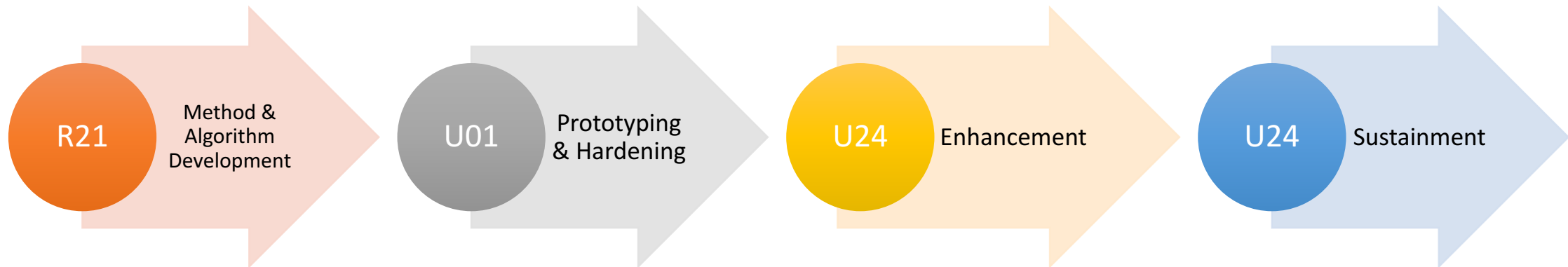
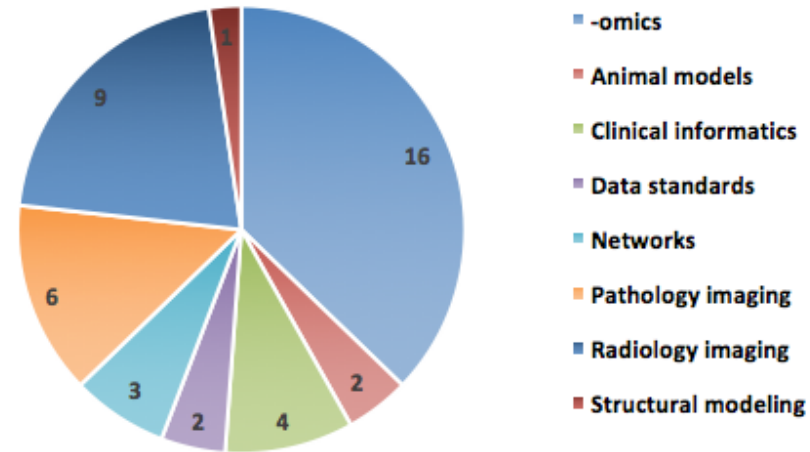
Webinar Overview

- Background and motivation
- APTRC funding opportunity scope
 - NCI committing \$2M
- Application requirements and timelines
- Q & A

ITCR Supports Needs Across the Cancer Research Continuum



Informatics Technology for Cancer Research
(43 active projects)



IMAT Supports Needs Across the Cancer Research Continuum



NATIONAL CANCER INSTITUTE
Innovative Molecular
Analysis Technologies

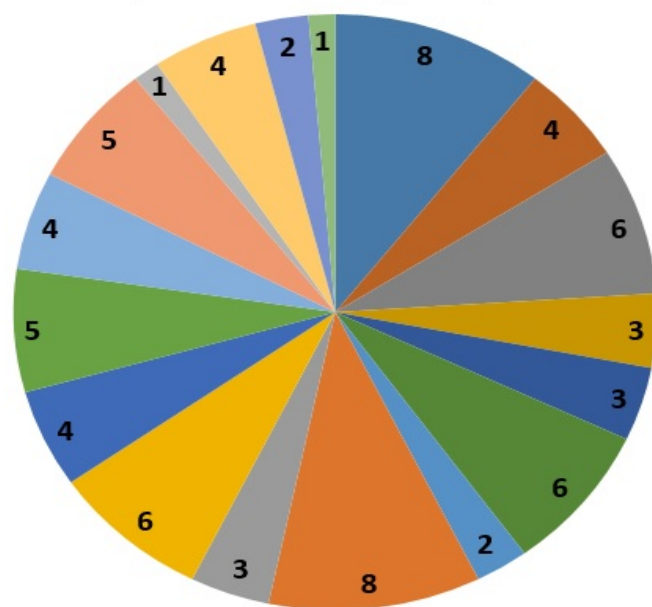
Innovative Technologies for Cancer Research (R21)

- Initial proof-of-concept
- Quantifiable milestone driven development plan

Application & Validation of Emerging Technologies for Cancer Research (R33)

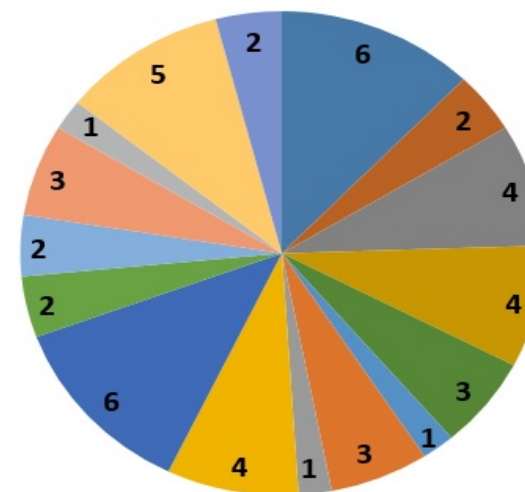
- Optimization/scaling or other further development
- Analytical/technical validation in biological context of use

Current R21 Portfolio (75 Active Projects)



■ clinical diagnostics
■ drug screening
■ epigenomics
■ genomics
■ glycomics
■ imaging
■ immunotherapy
■ liquid biopsy
■ metabolomics
■ modeling
■ novel biosensor
■ pathway tools
■ proteomics
■ sample prep
■ sample QA
■ single cell
■ transcriptomics
■ treatment

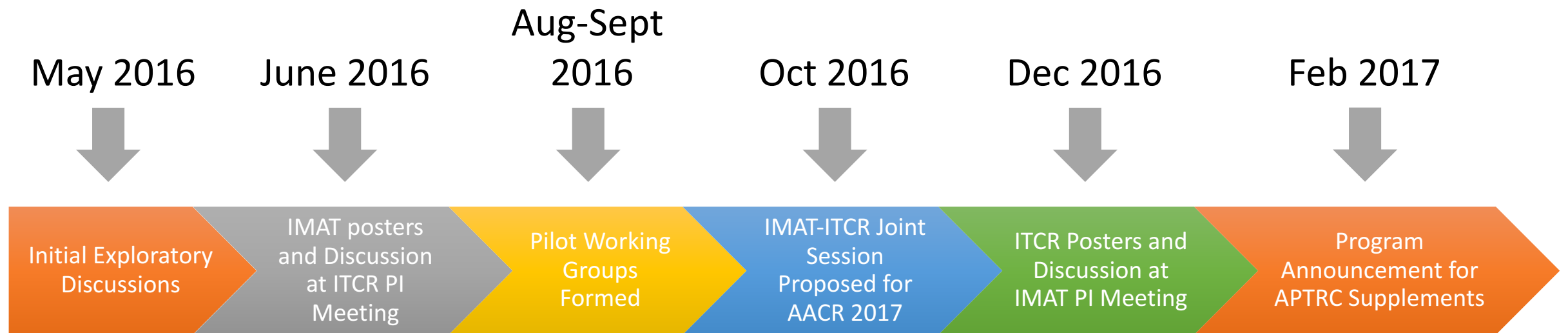
Current R33 Portfolio (49 Active Projects)



Learn more @ <https://innovation.cancer.gov>

Exploring IMAT-ITCR Collaboration Opportunities

Hypothesis: Collaborative development of the data generating instrumentation and methodologies from IMAT together with the data processing and visualization technologies from ITCR will accelerate development & dissemination of useful tools for the research community.



Identified Themes for IMAT-ITCR Collaboration (Summer 2016)



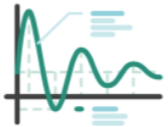
Advanced -omic Analyses: High-throughput analysis platforms combined with processing and data analysis platforms to enable biomarker discovery.



Next-Gen Histopathology: Biospecimen processing and multiplexed detection strategies combined with data and imaging processing and analysis for improved clinical diagnostics and prognosis.



Cancer Interactome: Tools to detect macromolecular interactions combined with advanced network analysis to improve basic research capabilities.



Molecular Characterization Standards: Improved QA and QC capabilities are combined to better protect sample and data integrity for cancer research and care.

Match-Making

- Comprehensive listing of all IMAT applications on the IMAT website
 - <https://innovation.cancer.gov>
- Comprehensive listing of all ITCR applications on the ITCR website
 - <https://itcr.cancer.gov>
- NIH Research Portfolio Online Reporting Tools (RePORT)
 - <https://report.nih.gov>
 - Links to NIH RePORT file for each project on the IMAT & ITCR websites
- NCIP Hub
 - <https://nciphub.org/>
 - Read-only access – no registration
 - Posting information requires creating an account

https://innovation.cancer.gov

Home | Innovative Molecular Analysis Technologies | Download IMAT Fact Sheet

Search...

Center for Strategic Scientific Initiatives

IMAT INNOVATIVE MOLECULAR ANALYSIS TECHNOLOGIES

ABOUT IMAT FUNDING OPPORTUNITIES APPLICANT RESOURCES

DEVELOPING INNOVATIVE TECHNOLOGIES
IN THE FIGHT AGAINST CANCER

About IMAT

The Innovative Molecular Analysis Technologies (IMAT) program was established to support the development, technical maturation, and dissemination of novel and potentially transformative next-generation technologies through an approach of balanced but targeted innovation. In support of its mission, the IMAT program utilizes a variety of investigator-initiated research project grant mechanisms while retaining a strong commitment to diversity and to the training of scientists and clinicians in cross-cutting, research-enabling disciplines.

Please select a link below to learn more about IMAT.

- History
- Mission

Funding Opportunities

The NCI has approved reissuance for all R21 and R33 funding opportunity announcements associated with the IMAT program through calendar year 2017. New solicitations are under preparation and links to each will be provided here once available. Anticipated due dates during 2017 will be similar to due dates for the recently expired solicitations. Please use the links below to see prior issuances of the IMAT funding opportunities.

Next application due date is set for **September 26, 2016**. See [Funding Opportunities](#) for more information.

Innovative and Applied Emerging Molecular Analysis Technologies in Cancer Research.

https://innovation.cancer.gov

Home | Innovative Molecular Analysis Technologies

Home | Contact Us | Download IMAT Fact Sheet

Search...

Center for Strategic Scientific Initiatives

IMAT INNOVATIVE MOLECULAR ANALYSIS TECHNOLOGIES

ABOUT IMAT FUNDING OPPORTUNITIES APPLICANT RESOURCES

HISTORY
MISSION
MANAGEMENT TEAM
SCOPE OF SUPPORTED TECHNOLOGIES
OUTPUTS AND ACHIEVEMENTS
ANNUAL PI MEETINGS
PROGRAM AREAS
GRANTS AWARDED
NEWS

FIND OUT ABOUT OUR SUCCESS STORIES

About IMAT

The Innovative Molecular Analysis Technologies (IMAT) program was established to support the development, technical maturation, and dissemination of novel and potentially transformative next-generation technologies through an approach of balanced but targeted innovation. In support of its mission, the IMAT program utilizes a variety of investigator-initiated research project grant mechanisms while retaining a strong commitment to diversity and to the training of scientists and clinicians in cross-cutting, research-enabling disciplines.

Please select a link below to learn more about IMAT.

- History

Funding Opportunities

The NCI has approved reissuance for all R21 and R33 funding opportunity announcements associated with the IMAT program through calendar year 2017. New solicitations are under preparation and links to each will be provided here once available. Anticipated due dates during 2017 will be similar to due dates for the recently expired solicitations. Please use the links below to see prior issuances of the IMAT funding opportunities.

Next application due date is set for **September 26, 2016**. See Funding Opportunities for more information.

Innovative and Applied Emerging Molecular Analysis Technologies in Cancer Research.

imat.cabazonworks.com/about-imat/grants-awarded

https://innovation.cancer.gov

Grants Awarded | Innovation x Project Information - NI

imat.cabazonworks.com/about-imat/grants-awarded

Apps NIH DEA Intranet Google Scholar QVR eSPA Workbench IMAT RePORTer CSSI Sharepoint REIMAT Eval HHS Learning Portal ITAS James Robb MD (Me National Center for E Imported From IE eRA: NIH Scientific Re New Website for iEdi

HOME / ABOUT IMAT / GRANTS AWARDED

Grants Awarded

Click on any project title for a more detailed description of the project. For more information about any of these awards (e.g., PI contact information or associated publications), please use the corresponding project number to search for information at the [NIH Reporter website](#). Consistent with NIH policy, abstracts are not available for projects receiving their first award within the past year, so descriptions provided below are from the NCI program director.


New FY2016 awards will be posted as they are issued.


Search Grants Year


Year	Award Type	Project #	RFA #	PI/Project Leader	Institution	Title
2016	R21	1R21CA204707-01	RFA-CA-15-004	JAHNKE, FRANK	SONATA BIOSCIENCES, INC.	A NEW SAMPLE PREPARATION METHOD TO DELVE DEEPER INTO THE PROTEOME
2016	R21	1R21CA206953-01	RFA-CA-15-002	HAUN, JERED BRACKSTON	UNIVERSITY OF CALIFORNIA-IRVINE	TRANSFORMING FLUORESCENCE LIFETIME IMAGING MICROSCOPY INTO A FAST AND SIMPLE PLATFORM FOR HIGH-CONTENT MOLECULAR ANALYSIS
2016	R21	1R21CA191243-01A1	RFA-CA-15-004	SULCHEK, TODD	GEORGIA INSTITUTE OF TECHNOLOGY	LABEL-FREE MICROFLUIDIC ENRICHMENT OF CANCER CELLS FROM NONCANCER CELLS IN ASCITES FLUID
2016	R21	1R21CA202852-01	RFA-CA-15-002	HELD, JASON M.	WASHINGTON UNIVERSITY	DEVELOPMENT OF NOVEL CHEMICAL PROBES TO MAP S-NITROSYLATION IN CANCER
2016	R21	1R21CA196434-01A1	RFA-CA-15-004	VANDER GRIEND, DONALD JAMES	UNIVERSITY OF CHICAGO	SUPRAMOLECULAR MATRIX MATERIALS FOR PROSTATE CANCER CELL BIOLOGY
2016	R21	1R21CA202875-01	RFA-CA-15-	LARMAN, HARRY BENJAMIN	JOHNS HOPKINS UNIVERSITY	A HIGHLY MULTIPLEXED GENE EXPRESSION PLATFORM FOR FIXED TISSUE SPECIMENS

About IMAT

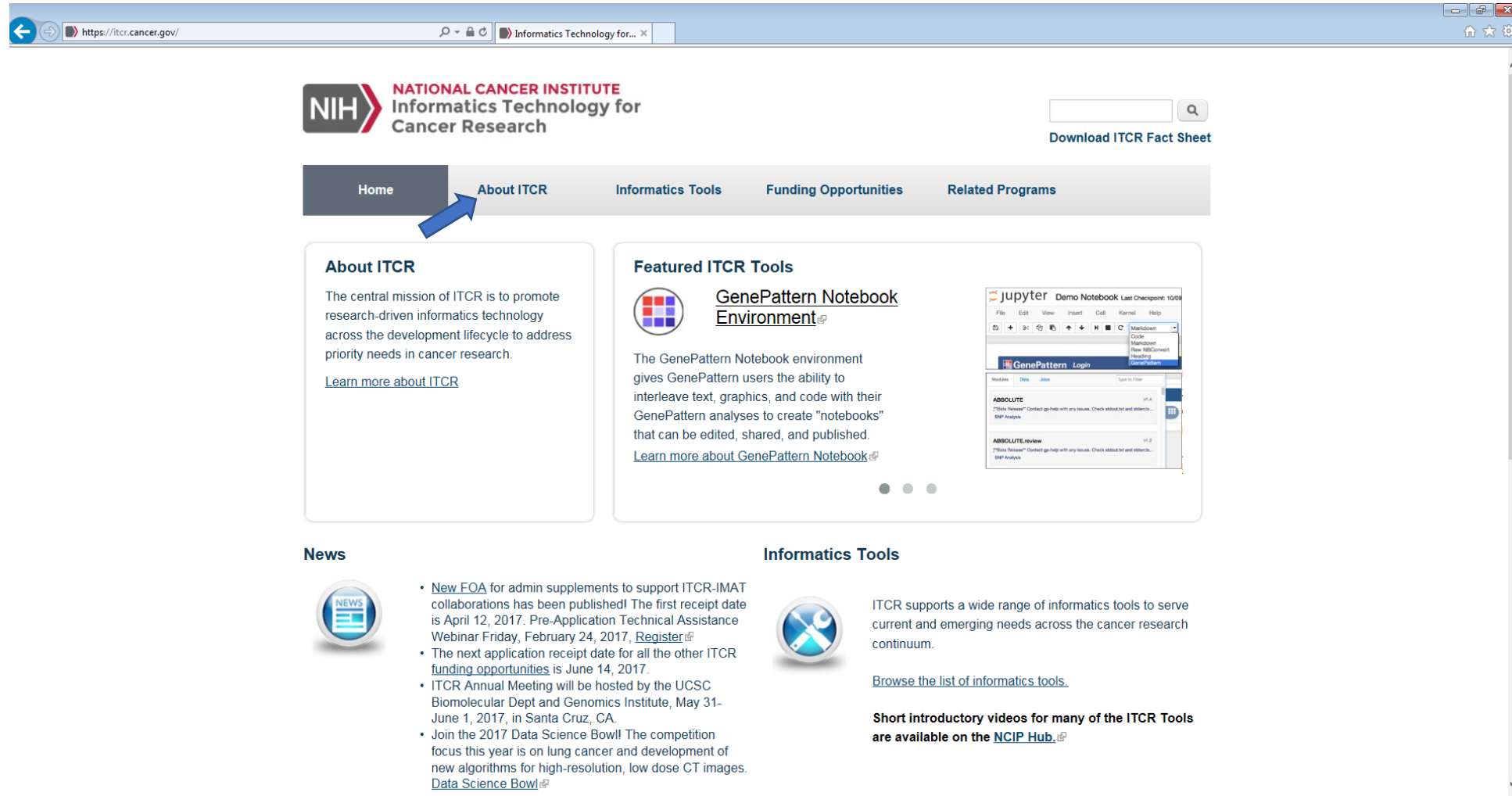
- HISTORY
- MISSION
- MANAGEMENT TEAM
- SCOPE OF SUPPORTED
- TECHNOLOGIES
- OUTPUTS AND ACHIEVEMENTS
- ANNUAL PI MEETINGS
- PROGRAM AREAS
- GRANTS AWARDED**
- NEWS

 CONTACT US >

 CURRENT IMAT RFAS >

 FIND OUT MORE ABOUT

https://itcr.cancer.gov



The screenshot shows the homepage of the National Cancer Institute Informatics Technology for Cancer Research (ITCR). The browser address bar displays "https://itcr.cancer.gov/". The page features the NIH logo and the text "NATIONAL CANCER INSTITUTE Informatics Technology for Cancer Research". A search bar and a "Download ITCR Fact Sheet" link are in the top right. A navigation menu includes "Home", "About ITCR", "Informatics Tools", "Funding Opportunities", and "Related Programs". A blue arrow points to the "About ITCR" link. The "About ITCR" section describes the mission and includes a link to "Learn more about ITCR". The "Featured ITCR Tools" section highlights the "GenePattern Notebook Environment" with a description and a link to "Learn more about GenePattern Notebook". A screenshot of the GenePattern Notebook interface is shown. The "News" section includes a "NEWS" icon and a list of recent announcements. The "Informatics Tools" section includes a tool icon and a link to "Browse the list of informatics tools".

NIH NATIONAL CANCER INSTITUTE
Informatics Technology for Cancer Research

Download ITCR Fact Sheet

Home About ITCR Informatics Tools Funding Opportunities Related Programs

About ITCR

The central mission of ITCR is to promote research-driven informatics technology across the development lifecycle to address priority needs in cancer research.

[Learn more about ITCR](#)

Featured ITCR Tools

GenePattern Notebook Environment

The GenePattern Notebook environment gives GenePattern users the ability to interleave text, graphics, and code with their GenePattern analyses to create "notebooks" that can be edited, shared, and published.

[Learn more about GenePattern Notebook](#)

News

- [New FOA](#) for admin supplements to support ITCR-IMAT collaborations has been published! The first receipt date is April 12, 2017. Pre-Application Technical Assistance Webinar Friday, February 24, 2017, [Register](#)
- The next application receipt date for all the other ITCR [funding opportunities](#) is June 14, 2017.
- ITCR Annual Meeting will be hosted by the UCSC Biomolecular Dept and Genomics Institute, May 31-June 1, 2017, in Santa Cruz, CA.
- Join the 2017 Data Science Bowl! The competition focus this year is on lung cancer and development of new algorithms for high-resolution, low dose CT images. [Data Science Bowl](#)

Informatics Tools

ITCR supports a wide range of informatics tools to serve current and emerging needs across the cancer research continuum.

[Browse the list of informatics tools.](#)

Short introductory videos for many of the ITCR Tools are available on the [NCIP Hub](#).

https://itcr.cancer.gov

https://itcr.cancer.gov

NIH NATIONAL CANCER INSTITUTE Informatics Technology for Cancer Research

Download ITCR Fact Sheet

Home About ITCR Informatics Tools Funding Opportunities Related Programs

About ITCR

The central mission of ITCR is to support research-driven informatics research across the development lifecycle to address priority needs in cancer research.

[Learn more about ITCR](#)

Funded Projects

Frequently Asked Questions

News

Featured ITCR Tools

Quantitative Imaging In Pathology (QulP)

QulP site hosts web accessible applications, tools and data designed to support analysis, management, and exploration of whole slide tissue images for cancer research.

[Learn more about QulP](#)

News

- [New FOA](#) for admin supplements to support ITCR-IMAT collaborations has been published! The first receipt date is April 12, 2017. Pre-Application Technical Assistance Webinar Friday, February 24, 2017, [Register](#)
- The next application receipt date for all the other ITCR [funding opportunities](#) is June 14, 2017.
- ITCR Annual Meeting will be hosted by the UCSC Biomolecular Dept and Genomics Institute, May 31-June 1, 2017, in Santa Cruz, CA.
- Join the 2017 Data Science Bowl! The competition focus this year is on lung cancer and development of new algorithms for high-resolution, low dose CT images. [Data Science Bowl](#)

Informatics Tools


ITCR supports a wide range of informatics tools to serve current and emerging needs across the cancer research continuum.

[Browse the list of informatics tools.](#)

Short introductory videos for many of the ITCR Tools are available on the [NCIP Hub](#).

https://itcr.cancer.gov

Browser address bar: <https://itcr.cancer.gov/about-itcr/funded-projects>

**NATIONAL CANCER INSTITUTE**
Informatics Technology for
Cancer Research

Download ITCR Fact Sheet

HomeAbout ITCRInformatics ToolsFunding OpportunitiesRelated Programs

Funded Projects

Switch to: **Projects Table** | [Map](#)

Search Criteria

Search

AWARD TYPE	AWARD YEAR	PI NAME(S)	INSTITUTION(S)	PROJECT
U24	2016	<ul style="list-style-type: none">Joshua DennyHua XuPing Yang	<ul style="list-style-type: none">Vanderbilt UniversityUniversity of Texas Health Sci. Center, HoustonMayo Clinic - Jacksonville, Florida	Advancing Cancer Pharmacoepidemiology Research Through EHRs and Informatics
R21	2016	<ul style="list-style-type: none">Xiaodong Wu	<ul style="list-style-type: none">University of Iowa	Developing Enabling PET-CT Image Analysis Tools for Predicting Response in Radiation Cancer Therapy
U24	2016	<ul style="list-style-type: none">Jill Mesirov	<ul style="list-style-type: none">University of California, San Diego	The Integrative Genomics Viewer (IGV): Visualization Supporting Cancer Research
U24	2016	<ul style="list-style-type: none">Gabor MarthAaron Quinlan	<ul style="list-style-type: none">University of Utah	Monitoring Tumor Subclonal Heterogeneity Over Time and Space
R21	2016	<ul style="list-style-type: none">Lydia KavrakiGregory Lizée	<ul style="list-style-type: none">Rice University	Structure-Based Selection of Tumor-Antigens for T-Cell Based Immunotherapy
U24	2016	<ul style="list-style-type: none">Han LiangGordon Mills	<ul style="list-style-type: none">University of Texas MD Anderson Cancer Center	The Cancer Proteome Atlas, TCPA: An Integrated Bioinformatics Resource for Functional Cancer Proteomic Data
R21	2016	<ul style="list-style-type: none">Dongjun ChungLinda Kelemen	<ul style="list-style-type: none">Medical University of South Carolina	Algorithms for Literature-Guided Multi-Platform Identification of Cancer Subtypes

https://report.nih.gov

U.S. Department of Health & Human Services

NIH Research Portfolio Online Reporting Tools (RePORT)

Search

HOME | ABOUT RePORT | FAQs | GLOSSARY | CONTACT US

QUICK LINKS | RESEARCH | ORGANIZATIONS | WORKFORCE | FUNDING | REPORTS | LINKS & DATA

Patents Projects Publications Data Visualize Map

The RePORT Expenditures and Results Tool (RePORTER)

Search a repository of NIH-funded research projects and access publications and patents resulting from that funding.

RePORTER | AWARDS BY LOCATION | NIH DATA BOOK | FUNDING FACTS | CATEGORICAL SPENDING | REPORT CATALOG | SPECIAL REPORTS | ABOUT REPORT

CLICK TO VIEW

Research Portfolio Online Reporting Tools (RePORT)

In addition to carrying out its scientific mission, the NIH exemplifies and promotes the highest level of public accountability. To that end, the Research Portfolio Online Reporting Tools provides access to reports, data, and analyses of NIH research activities, including information on NIH expenditures and the results of NIH supported research.

News Updates Explore the data from the 2014 [Physician-Scientist Workforce \(PSW\) report](#), produced by the Physician-Scientist Workforce Working Group, a working group of the Advisory Committee to the Director (ACD). Tuesday, September 23, 2014

[Federal RePORTER](#) now available! Search for funding information from several research funders, including NIH, NSF, NASA, EPA, DOD, AHRQ, FDA, CDC, VA, and more.

NIH RePORTER [ADVANCED SEARCH](#)

Institute/Center: Fiscal Year: Principal Investigator: (Last Name, First Name)

ALL ACTIVE 2017 2016 2015 2014 2013

NCI NCI NCI NCI NCI NCI NCI

Organization:

Project Number:

1 R01 CA 811099 01 A1S1

SUBMIT CLEAR

https://report.nih.gov

U.S. Department of Health & Human Services

NIH Research Portfolio Online Reporting Tools (RePORT)

Search

HOME | ABOUT RePORT | FAQs | GLOSSARY | CONTACT US

QUICK LINKS | RESEARCH | ORGANIZATIONS | WORKFORCE | FUNDING | REPORTS | LINKS & DATA

Home > RePORTER > Project Information

Project Information

1R33CA202827-01

Back to Query Form | Print Version

PI PROFILE LINKS

DESCRIPTION | DETAILS | RESULTS | HISTORY | SUBPROJECTS | SIMILAR PROJECTS | NEARBY PROJECTS | LINKS | NEWS AND MORE

Project Number: 1R33CA202827-01

Title: LARGE-SCALE INTEGRATION OF SINGLE CELL RNA-SEQ AND HIGH-CONTENT IMAGING FOR ANALYZING DRUG RESPONSE IN CANCER

Contact PI / Project Leader: SIMS, PETER ALAN

Awardee Organization: COLUMBIA UNIVERSITY HEALTH SCIENCES

Contact PI / Project Leader Information: Program Official Information: Other PI Information: Profile Exists No Profile

Name: SIMS, PETER ALAN Name: SORG, BRIAN S Not Applicable

Email: [Click to view Contact PI / Project Leader email address](#) Email: [Click to view P.O. email address](#)

Title: ASSISTANT PROFESSOR

Organization: Department/ Organization Type: Congressional District:

Name: COLUMBIA UNIVERSITY HEALTH SCIENCES BIOCHEMISTRY State Code: NY

City: NEW YORK Country: UNITED STATES (US) SCHOOLS OF MEDICINE District: 13

Other Information:

FOA: [RFA-CA-15-003](#) DUNS Number: 621889815 CFDA Code: 394

Study Section: [Special Emphasis Panel \[ZCA1-TCRB-Q \(02\)\]](#) Project Start Date: 1-APR-2016 Project End Date: 31-MAR-2019

Fiscal Year: 2016 Award Notice Date: 15-MAR-2016 Budget Start Date: 1-APR-2016 Budget End Date: 31-MAR-2017

Administering Institutes or Centers:

NATIONAL CANCER INSTITUTE

Project Funding Information for 2016:

https://nciphub.org/groups/itcr_imat

The screenshot displays the NCIP Hub website interface. At the top, the URL https://nciphub.org/groups/itcr_imat is shown in the browser address bar. The page header features the NCIP HUB logo and the text "A COLLABORATORY FOR CANCER RESEARCH". A user profile for Tony Dickherber is visible in the top right corner.

The main navigation bar includes links for DISCOVER, RESOURCES, COMMUNITY, ABOUT, and SUPPORT. Below this, a breadcrumb trail reads "Home / Groups / NCI Innovative Technologies Collaboration Space".

The left sidebar contains a "Group Manager" dropdown and a list of navigation options: Overview, Members (9), Wiki (1), Resources (2), Forum, Blog, Wish List, Usage, Projects (1), Calendar, Announcements, Collections (5), Files, and Activity (11). A blue arrow points to the "Collections" link.

The main content area is titled "NCI Innovative Technologies Collaboration Space" with an "Overview" tab. It includes tags for "biotechnology" and "cancer". The "ABOUT THE GROUP" section describes the NCI's support for transformative technologies and the collaborative nature of the group. It lists site organization elements: Resources, Collections, and Projects, each with a brief description and links to specific databases and websites.

The "GROUP MEMBERS" section at the bottom displays four members: Juli Klemm, Ishwar Chandramouliswaran, Mervi Heiskanen, and Claire Stirm, each with a profile picture and affiliation.

https://nciphub.org/groups/itcr_imat

The screenshot displays the NCI Hub interface for the 'NCI Innovative Technologies Collaboration Space' group. The browser address bar shows the URL 'https://nciphub.org/groups/itcr_imat/collections'. The NCI Hub logo and tagline 'A COLLABORATORY FOR CANCER RESEARCH' are at the top. A navigation bar includes links for DISCOVER, RESOURCES, COMMUNITY, ABOUT, and SUPPORT, along with a search bar. The group's name and 'Collections' tab are highlighted. The sidebar on the left lists various group features with counts: Overview, Members (9), Wiki (1), Resources (2), Forum, Blog, Wish List, Usage, Projects (1), Calendar, Announcements, Collections (5), Files, and Activity (11). The main content area features a 'New collection' button and five collection cards: 'Next-Gen Histopathology' (0 likes, 2 posts), 'Future-proofing' (0 likes, 1 posts), 'Advanced Omic Analyses' (0 likes, 3 posts), 'Cancer Interactome' (0 likes, 2 posts), and 'Molecular Characterization Standards Development' (0 likes, 3 posts). A blue arrow points to the 'Cancer Interactome' card. The top right corner shows a user profile for Tony Dicktherber and a 'Get Help' button.

https://nciphub.org/groups/itcr_imat

The screenshot displays the NCI Hub website interface. At the top, the browser address bar shows the URL https://nciphub.org/groups/itcr_imat/collections/cancer-interactome. The NCI Hub logo is prominently displayed, along with the tagline "A COLLABORATORY FOR CANCER RESEARCH". The navigation bar includes links for DISCOVER, RESOURCES, COMMUNITY, ABOUT, and SUPPORT. A search bar is located on the right side of the navigation bar.

The main content area is titled "NCI Innovative Technologies Collaboration Space" and shows "Collections". It indicates there are 5 collections, 2 posts, and 0 followers. A "Getting started" button is visible. Below this, a "Cancer Interactome" collection is highlighted with 2 posts. A "Follow" button is also present.

On the left side, there is a sidebar with a "Group Manager" dropdown menu and a list of navigation options: Overview, Members (9), Wiki (1), Resources (2), Forum, Blog, Wish List, Usage, Projects (1), Calendar, Announcements, Collections (5), Files, and Activity (11). A "Discoverability: Visible" status is shown at the bottom of the sidebar.

The main content area features a "New post" button and a list of "Recommended IMAT-Supported Projects". These projects include:

- ADVANCED DEVELOPMENT AND VALIDATION OF TARGETED MOLECULAR COUNTING METHODS FOR PRECISE AND ULTRASENSITIVE QUANTITATION OF LOW PREVALENCE SOMATIC MUTATIONS
- SYSTEMATIC AND COMPREHENSIVE SAMPLING OF PEPTIDES IN MIXTURES BY TANDEM MASS SPECTROMETRY
- SENSOR-SEQ: A GENOME-WIDE BIOLOGICAL MEASURE OF MICRORNA ACTIVITY
- DEVELOPMENT OF MASSSQUIRM TO QUANTITATIVELY MEASURE LYSINE METHYLATION
- WHOLE GENOME AMPLIFICATION AND SEQUENCING OF SINGLE CANCER CELLS
- SCALABLE CANCER GENOMICS VIA NANOCODING AND SEQUENCING
- KINASE BINDING FLUORESCENT PROBES FOR ASSAYING CELLULAR RECEPTOR POPULATIONS
- KINASE PROFILING WITH QUANTITATIVE CHEMOPROTEOMICS
- MULTIPLEXED KINASE BIOSENSOR TECHNOLOGY TO DETECT LEUKEMIA SIGNALING WITH MASS SPECTROMETRY

On the right side, there is a "Cancer Interactome Overview" section. It features a complex network diagram with nodes and edges, representing molecular interactions. Below the diagram, a paragraph explains the complexity of cancer and the need for integrated molecular profiling technologies to understand the interaction of nucleic acids and proteins, which is critical for improved diagnosis and treatment.

Scope of Activities to Promote Technology Research Collaborations (APTRC) Initiative

- Administrative Supplements through PA-17-143
 - *“Promoting and facilitating **new collaborative interactions to advance the utility and accelerate the availability of new tools and technologies** to the research community are the main goals of this APTRC initiative.”*
- APTRC awards will support individual members of a collaborative consortium, composed of at least one parent IMAT project and one parent ITCR project.
- The APTRC activities should reflect joint research that would not be possible to conduct expeditiously, if at all, without the collaboration and the requested additional funding support.
- The collaborative research activities can be aimed at achieving certain new research objectives, as long as the research objectives are **within the original scope of the parent award**.
- Receipt dates: April 12, 2017; July 25, 2017; and December 12, 2017, by 5:00 PM local time of applicant organization.

APTRC Requirements

- Letters of intent
 - Welcome, but not required
- Send via email to
 - Tony Dickherber, Ph.D.
 - National Cancer Institute (NCI)
 - dickherberaj@mail.nih.gov
 - Telephone: 301-547-9980

APTREC Application Requirements

- Eligibility
 - Only the current awardees (with active awards) from the NCI IMAT program and the ITCR program are eligible to apply for these supplements, with at least one parent award from each program per consortium.
 - Each member of a consortium submits its own application.
 - Indicate which other consortium members are included in the Research Strategy section.
 - The title of each application from a consortium should be the same with an indication in parenthesis of the number of collaborating institutions (e.g., "(1 of 2)" or "(2 of 3)").
 - Supplements will be awarded for up to 24 months. Requests for periods exceeding 24 months will not be considered.

APTRC Application Requirements

- Eligibility

- Administrative supplements are intended for grant projects that have a requisite amount of research to conduct and time remaining as stated in the approved aims. Per NIH policy, grants are not to be extended for the sole purpose of receiving an administrative supplement
- Investigators may come from the same or different departments within an institution, or from different institutions.

APTRC Application Requirements

- **Specific Aims (1 page)**

- List Aims of the parent award for which proposed activities complement, enrich or otherwise open new possibilities overall.
- Include a brief summary of the Specific aims of the new activities, background, and significance;

- **Research Strategy (5 pages maximum)**

- Indicate members of the collaborative consortium
- Expound upon the information summarized on the Specific Aims page, if appropriate
- Describe experimental design for the activities to be covered by the supplemental funding, including methods, data analysis, etc.
- Include any preliminary data, if available

APTREC Application Requirements

- Budget specifications
 - Supplement awards will be issued to each of the collaborating parent grants deemed meritorious (applicant institutions may subcontract to outside collaborators).
 - ≤\$50k/yr direct cost cap per consortium member; up to 2 years of support; ≤\$150k/yr direct costs per consortium
 - Follow SF424 R&R Budget Submission Guidance
 - Facilities and Administrative costs (indirect costs) are permitted at the grantee institution's current negotiated rate. These must be clearly annotated.

APTRC Application Requirements

- Budget specifications
 - A detailed budget explanation and justification must be included, with each year's budget clearly detailed.
 - Include justified budgets for each collaborating unit and a summary budget for the entire APTRC project.

Summary of Submission Package

- R&R Cover Form
- Introduction & Specific Aims (1 page maximum)
- Research Strategy (5 pages maximum)
- Project/Performance Site Location
- Sr/Key Personnel form
- Budget
- Parent Award Research Strategy
- If applicable, attach documents indicating that the proposed research experience was approved by the Institutional Animal Care and Use Committee (IACUC) or human subjects Institutional Review Board (IRB) at the grantee institution. Adherence to the NIH policy for including women and minorities in clinical studies must also be ensured, if additional human subjects' involvement is planned for the supplement component.

APTRC Application Processing

- Review

- All applications will be reviewed by program staff at NCI with appropriate subject matter expertise, with consultation from program officers assigned to associated parent awards.
 - Program officers assigned to parent awards will not participate in award selection.
- Reviews anticipated to be completed within 6 weeks of submission.

- Post-Award Reporting

- Progress reports for the supplements should be included in Section B.3 of the RPPR (“Competitive Revisions/Administrative Supplements”).
- Awardees will be asked to present progress/results at the Annual IMAT and ITCR meetings (as appropriate to the investigator’s affiliation)



**NATIONAL
CANCER
INSTITUTE**

www.cancer.gov

www.cancer.gov/espanol