

CIRP Network Introduction

Michael T. Lewis, PhD
Chair, CIRP Steering committee

*Departments of Molecular and Cellular Biology and Radiology.
Lester and Sue Smith Breast Center.
Dan L Duncan Cancer Comprehensive Cancer Center.
Baylor College of Medicine
Houston TX*

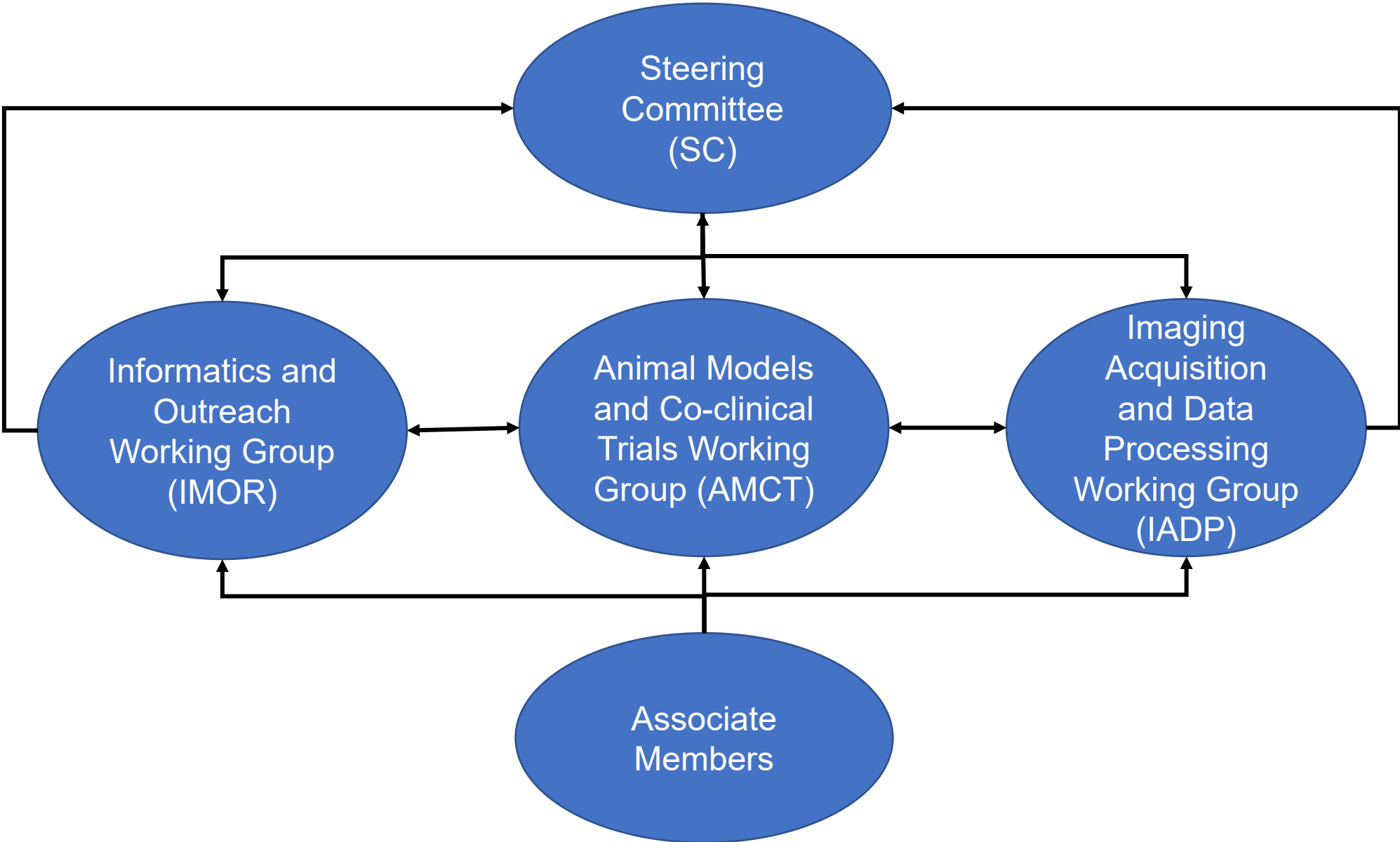
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CIRP Teams

Institute	Animal Models	Therapy	Imaging	Leveraged Resources
WUSTL1	Breast TNBC orthotopic PDXs	Chemotherapy	PET/MRI, FDG PET T1, T2, DW, DCE MRI	PDXnet, ITCR, QIN, QIBA, SAIR, HTAN, XNAT
Duke	Soft Tissue Sarcoma GEMMs	Immunotherapy Radiation therapy	T1, T2, DW micro-MRI Micro-CT	CIVM, QIBA
MD Anderson	RAS CRC, Subcutaneous, Orthotopic PDXs, Immuno-competent	Targeted therapy	Dual tracer dynamic PET 18F-FSPG, 11C-Acetate	SPORE, PET probe lab
UPENN	PDA KPC GEMMs	Targeted therapy	Radial sampling MRI DCE, DW, MTC MRI	SAIR, Mouse hospital,
U Michigan	Myelofibrosis, bone marrow transplant GEMMs	Targeted therapy	Cryoprobe MRI DFPP, DW, MTC, Spleen MRI	SAIR, QIN
Baylor/UT Austin/Stanford	Breast TNBC orthotopic PDX	Chemotherapy	DW, DCE MRI	PDXnet, CPTAC, QIN, ITCR, ePAD, LinkedOmics
UCSF	Prostate Metastatic PDXs	Chemotherapy	Hyperpolarized 13C MRI,T2, DW, DCE MRI	NIH P41 HP 13C MRI Center,
U Washington	NSCLC, GEMMs	Immunotherapy Targeted therapy	FDG PET	SPORE, QIN, QICR
Stanford	Osteosarcoma PDXs	Immunotherapy	Ferumoxytol MRI PET/MRI	NCI CTEP trial, COG, ePAD
WUSTL2	Breast, ER+/HER2- Orthotopic PDXs	Hormone Therapy	18F-FFNP, 18F-FES PET	PDXnet, HTAN, ITCR, XNAT

CIRP Network Structure

<https://nciphub.org/groups/cirphub>



CIRP Web Resources Completion Timeline

Cancers	Diseases	Animals	Therapy	Imaging	Web Resource	When
Hematology	Myelofibrosis	GEMMs	Target Therapy	MRI	U MICH: https://umu24cirp.med.umich.edu/	2024
Bone	Osteosarcoma	PDXs	Immunotherapy	MRI	Stanford: https://radweb.su.domains/cirp/	2026
Breast	TNBC	PDXs	Chemotherapy	PET/MRI	WUSTL: https://c2ir2.wustl.edu/	2022
	TNBC	PDXs	Chemotherapy	MRI	BCM/UTA/Stanford: https://miraccl.research.bcm.edu/	2024
	ER+/HER2-	PDXs	Hormone Therapy	PET	WUSTL: https://c2ir2.wustl.edu/	2027
Colon	CRC	PDXs	Target/Immunotherapy	PET	MDACC: https://www.mdanderson.org/research/departments-labs-institutes/programs-centers/predict.html	2023
Lung	NSCLC	GEMMs	Target Therapy	PET	UW: https://sites.uw.edu/cocirp/	2026
Muscle	Sarcomas	GEMMs	RT/Immunotherapy	CT, MRI	Duke: https://sites.duke.edu/pcqiba/	2022
Pancreas	PDA	GEMMs	Target Therapy	MRI	UPENN: https://pennpancreaticcancerimagingresource.github.io/	2023
Prostate	SCNC	PDXs	Chemotherapy	MRI	UCSF: https://coclinicalimaging.ucsf.edu/	2025

Highlights and Accomplishments

- CIRP Hub websites launched for all teams.
- All web resources on schedule, or ahead of schedule.
- Tomography special issue published.
- Associate members added.



tomography

an Open Access Journal by MDPI



Advances in Co-clinical Quantitative Imaging Research

Guest Editors:

Dr. Daryia Malyarenko
daryia@umich.edu

Prof. Dr. Michael Lewis
mtlewis@bcm.edu

Dr. Huiming Zhang
zhanghui@mail.nih.gov

Prof. Dr. Cristian Badea
cristian.badea@duke.edu

Deadline for manuscript
submissions:
closed (1 February 2023)

Message from the Guest Editors

The National Cancer Institute's Co-Clinical Imaging Research Resource Program (CIRP) promotes the development of quantitative imaging resources for therapeutic or prevention co-clinical trials that study both patients and human-in-mouse models. The program facilitates consensus on quantitative imaging methods and standard operating procedures for co-clinical applications. CIRP is committed to the development of freely accessible, comprehensive information resources to guide co-clinical imaging investigations in the context of experimental design, protocol and software development, modeling and information extraction, biological and pathological validations, multiscale data integration, and preclinical-clinical correlations.



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Special **sue**

CIRP Network: Next Steps?

- The CIRP Program is being sunset at the end of the latest cycle of funding.
- Program participants need to identify other funding opportunities to continue.
- It is unclear what other NCI programs would accommodate the types of projects currently funded.
- Some projects may be suitable for ITCR grants.
- Possible to continue as an unfunded consortium.