

# Imaging and the ADRCs

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# Administrative Supplement Call

- Initiative goals:
  - Support standardized, prospective brain MRI, amyloid PET and Tau PET neuroimaging of Clinical Core participants
  - Provide images (processed through SCAN) to NACC, associated with clinical data, and made available to the wider research community.
- Applications must include:
  - Scientific justification for the MRI, Amyloid PET, and Tau PET scans requested
  - Description on how the neuroimaging will be carried out within the year
  - A Letter of Support from SCAN
- Awards are limited to \$250,000 direct costs for a single year and may not extend beyond the end of the project period
- Submit administrative supplement using PA-18-591  
<https://grants.nih.gov/grants/guide/pa-files/pa-18-591.html>

**Due Date: May 22, 2020**

# London: July 14, 2017

**APRIL  
2017**

**JULY  
2017**

**APRIL  
2018**

**MAY  
2019**

**OCTOBER  
2019**

**MAY  
2020**

Information gathering by survey

AAIC Meeting: Costs and benefits of standardization

Imaging Meeting  
Los Angeles, CA

[Imaging Standardization Proposal](#)

[Presentations](#)

SCAN: Standardized Centralized Alzheimer's and Related Dementias Neuroimaging (U24)

[RFA-AG-20-043](#)

Imaging Core Steering Committee Established

SCAN start date

Inaugural Imaging Core Meeting

Reference Links:

<https://www.alz.washington.edu/WEB/imagingStandProp.html>

<https://www.alz.washington.edu/NONMEMBER/SPR18/Spr2018talks.html>

# ADRC Neuroimaging Core Structures

16

Centers with  
Neuroimaging  
Cores

7

Centers  
neuroimaging  
within Biomarker  
Cores

8

Centers  
neuroimaging  
Using Other  
Structures

# Neuroimaging Planned for 2019 - 2024

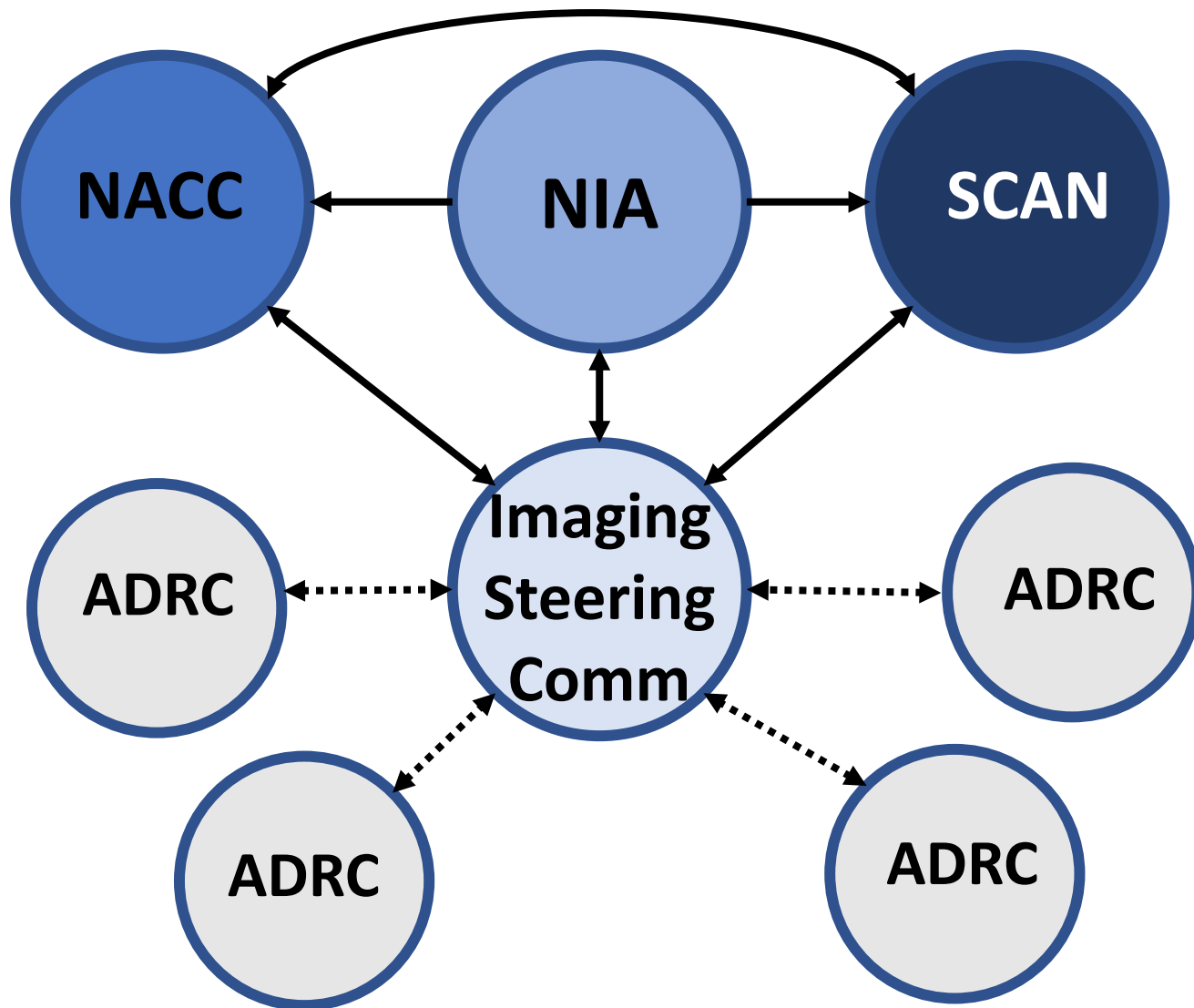
Type of Image	Center Funding	Outside Funding*	Total
amyloid PET	237	20	257
MRI	1,330	534	1,864
PET	135	290	425
PET-volMRI	102	30	132
tau PET	196	-	196
<b>Grand Total</b>	<b>2,001</b>	<b>874</b>	<b>2,915</b>

\*if reported

# Overall Imaging Goals

- The dissemination and utilization of clinically valuable data paired with neuroimaging can advance the field
- Broader dissemination and standardization of neuroimaging and other biomarker tools for diagnosing AD/ADRD are a priority for NIA.
- SCAN is funded to manage the sharing of standardized imaging data on ADRC participants:
  - Standardize collection of select MRI and PET neuroimaging scans at the ADRCs, and plan for incorporating development of new MRI and PET neuroimaging methods.
  - Transfer and harmonize standardized MRI and PET scans to a central repository.
- NACC is responsible:
  - Manage neuroimaging data in the repository and share de-identified ADRC PET and MRI scans with investigators.

# Standardized Centralized Alzheimer's and Related Dementias Neuroimaging (SCAN) U24



- RFA-AG-20-043 posted May 2019
- Five-year project period: 2020 – 2024
- Transfer and harmonize standardized MRI and PET scans to a central repository
- NIA's expectation is that the final, individual MRI and PET scans from SCAN and available from the repository will be harmonized and combinable across ADRCs and with individual MRI and PET scans available from ADNI.

# Imaging Core Steering Committee

## Imaging Core Steering Committee

Position	Term ends <sup>9</sup>	Name	Center
Elected	Spring 2022	Kejal Kantarci, MD	Mayo Clinic
Elected	Spring 2022	Konstantinos Arfanakis, PhD	Rush University
Elected	Spring 2023	Charles DeCarli, MD	University California, Davis
Elected	Spring 2023	John Detre, MD	University of Pennsylvania
Elected	Spring 2023	Emily Rogalski, MD	Northwestern University
Elected, Co-chair; Meeting: Spr20	Spring 2024	<b>Sterling Johnson, PhD</b>	Wisconsin ADRC
Elected, Co-chair; Meeting: Spr20	Spring 2024	<b>Beth Mormino, PhD</b>	Stanford University

<sup>9</sup>3-year term for members; 1-year term as Chair

[https://www.alz.washington.edu/NONMEMBER/adc\\_comm.html](https://www.alz.washington.edu/NONMEMBER/adc_comm.html)



# Feedback, Questions, Thoughts?

The screenshot shows a Slack interface for the #imaging-core channel. On the left is a dark purple sidebar with the 'ADRC Program' header and a list of channels including #clinical-core, #covid19, #data-core, #general, #imaging-core (highlighted), #neuropathology-core, and #ore-core. Below the channels are sections for 'Direct Messages' (Slackbot, Cerise Elliott) and 'Recent Apps'. The main channel area has a header with the channel name, member count (6), and a search bar. The channel description states it was created by @Brian Stahly (NACC) on March 31st. A message from Brian Stahly (NACC) at 2:45 PM reports that he joined the channel along with 5 others. A light blue banner prompts users to be the first to post a message. At the bottom, there are two buttons: 'Roll call! Who else is here?' and 'I'm here! What'd I miss?'.

**ADRC Program** Cerise Elliott

Jump to...

**Get started**

Next: Send a message

Apps

**Channels**

- # clinical-core
- # covid19
- # data-core
- # general
- # imaging-core**
- # neuropathology-core
- # ore-core

+ Add a channel

**Direct Messages**

- Slackbot
- Cerise Elliott (you)

+ Invite people

**Recent Apps**

+ Add apps

**#imaging-core** 6 | 0 | Add a topic

<https://app.slack.com/client/TS1EX4B4G/C0118DKL3JL>

**#imaging-core**

@Brian Stahly (NACC) created this channel on March 31st. This is the very beginning of the #imaging-core channel.

Add description Add an app Add people Share channel

Tuesday, March 31st

**Brian Stahly (NACC)** 2:45 PM  
joined #imaging-core along with 5 others.

Be the first to post a message and help get the conversation started.

**B** *I*

Aa @

Roll call! Who else is here? I'm here! What'd I miss?