



# NIH StrokeNet Training Core Update

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## 2017-2018 NIH StrokeNet Training Core Members



## 2017-2018 Trainee Core Members



Pictured from left to right:

*Dawn Kleindorfer, Chair, UC, Randy Marshall, Co-Chair, Columbia, Scott Janis, Project Scientist, NINDS, Harold Adams, Faculty, Iowa, Lori Jordan, Faculty, Vanderbilt, Shyam Prabhakaran, Faculty, Northwestern, David Liebeskind, Faculty, UCLA, Cemal Sozener, Former Trainee, Michigan, Farhaan Vahidy, Former Trainee, UTH, Iszet Campo-Bustillo, Coordinator, Miami, Stephanie Wilbrand, Coordinator, Wisconsin, Jeanne Sester, Coordinator, UC, Pratik Chhatbar, MUSC, Ciro Ramos-Estebanez, Case Western*

Who are our trainees?

# Current Trainees

- 28 trainees, 50% female
- 3 Minority/Underrepresented
- 10/28 are faculty members
- Degrees
  - MD 15
  - PhD 3
  - MD – MPH 2
  - MBBS 1
  - MPH – PhD 2
  - PhD – MHS 1
  - MPH 2
  - MS/OTR/L 1
  - FNP-C 1

# Disciplines of Trainees

• Neurology	3
• Vascular Neurology	13
• Neurology/NSG/Neurocritical Care	1
• Neurology/Neurocritical Care	2
• Neurology/Stroke Rehabilitation	1
• Neurosurgery	3
• Internal Medicine/Molecular Medicine	1
• Occupational Therapy	1
• Preventive Medicine	1
• Stroke Epidemiology	2

## Level of Trainees

• Faculty	2
• Junior Faculty	8
• Fellow	13
• Fellow Instructor	1
• Post Doc Fellow	1
• Post Doc Trainee	1
• Trainee	2

## Overall Summary of StrokeNet Trainees to Date

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- 107 Trainees
- >50% non-stroke neurology
- 44% female, 9% under-represented minority

Former Trainee Data



## Trainee Publication Productivity 2015-16

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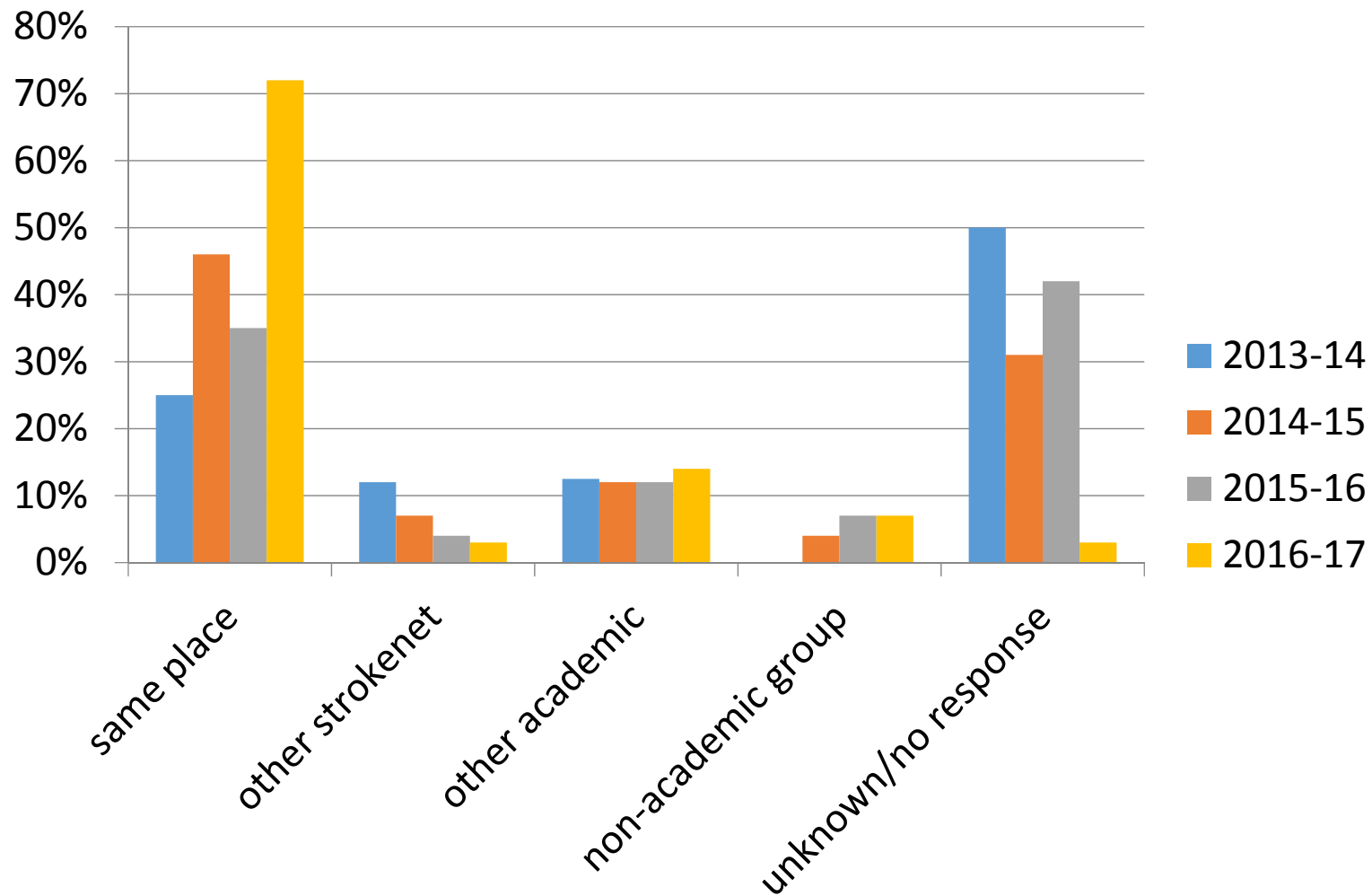
- 26/27 trainees had abstracts or manuscripts
- 58 first-author abstracts
- 27 first-author manuscripts
- 33 secondary author abstracts
- 23 secondary author manuscripts

## Grant Submissions During StrokeNet Training Period, 2015-16

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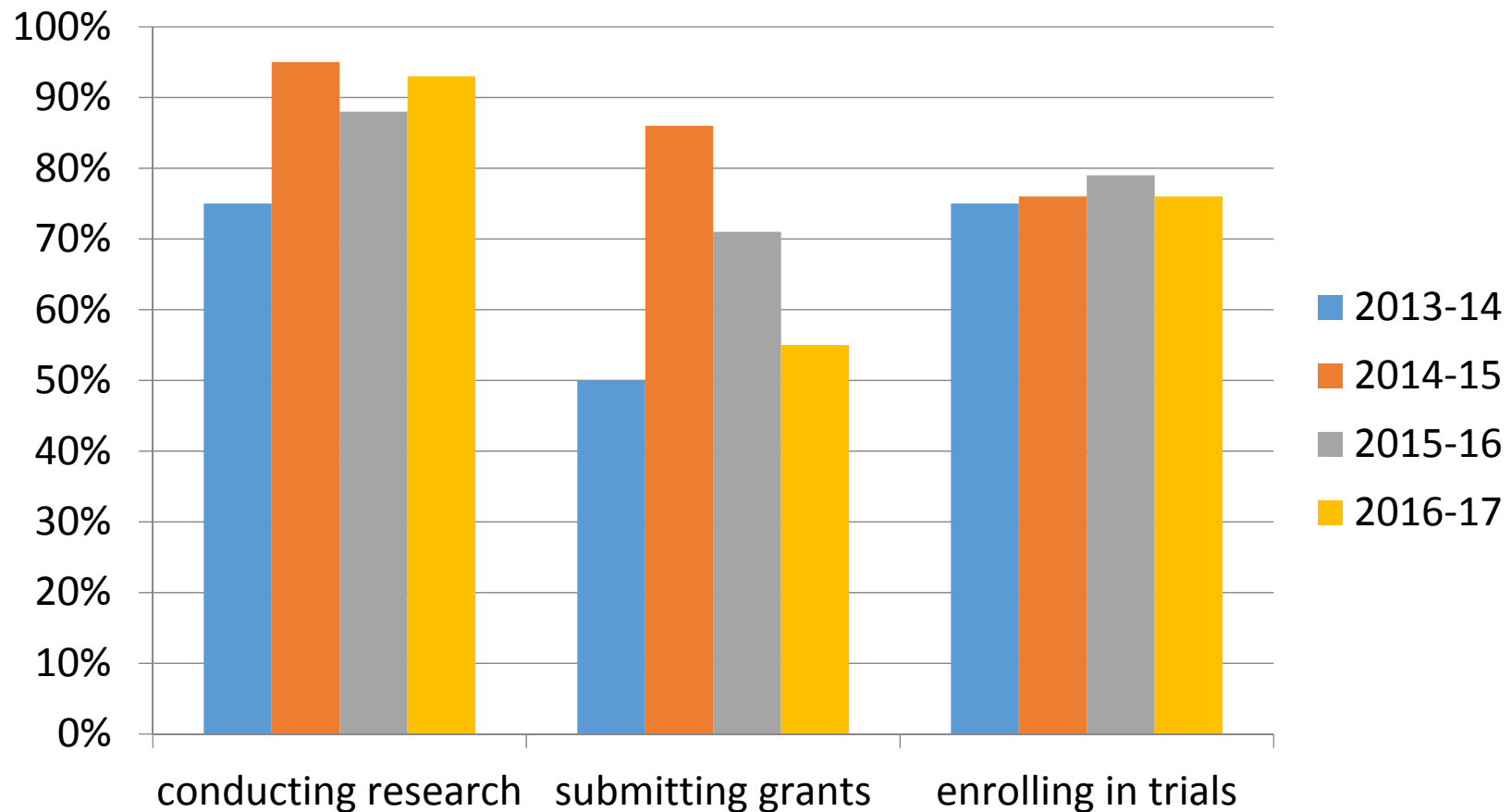
- 10 trainees submitted 23 grants during the training year
  - Internal pilots
  - K23
  - KL2
  - Other NIH
  - Industry
  - Foundation

# Where do StrokeNet Trainees Go Next?



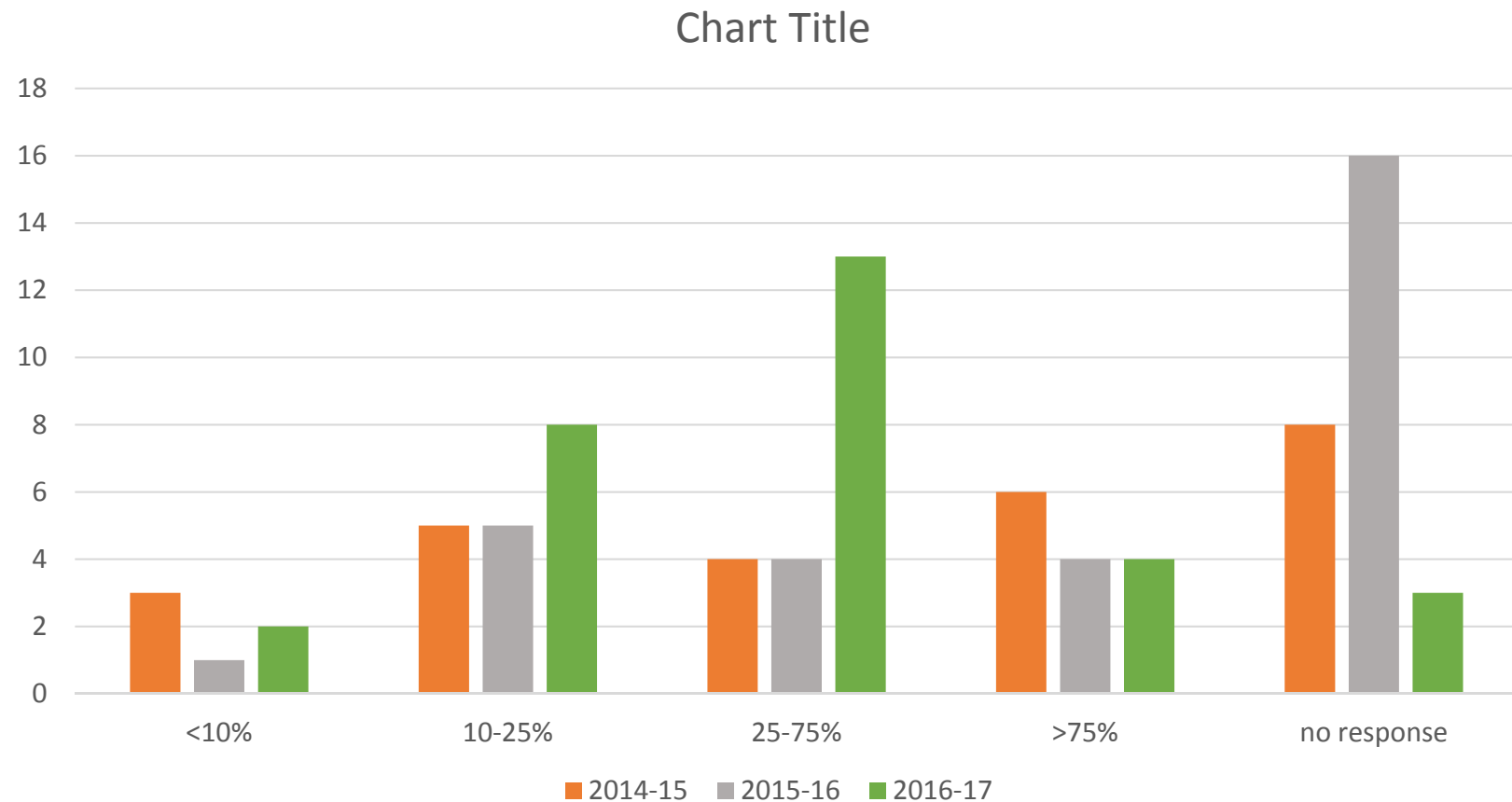
# What are they doing related to research?

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# How much time will they/are they spending on research in their next position?

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# Activities of Training Core

# StrokeNet Webinars

## Grand Rounds

- 2015-2016 Average Attendees = **78**
- 2016-2017 Average Attendees = **70**

## Professional Development

- 2015-2016 Average Attendees = **51**
- 2016-2017 Average Attendees = **51**

# StrokeNet Grand Rounds

(previously Didactic Webinars)

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- Process for selecting topics and speakers:
  - All RCC sites are surveyed and asked to name three topics and speakers they would like to hear
  - Training core members review the list and rank their preferences
  - The top scoring topics and speakers are chosen on a Training Core Call

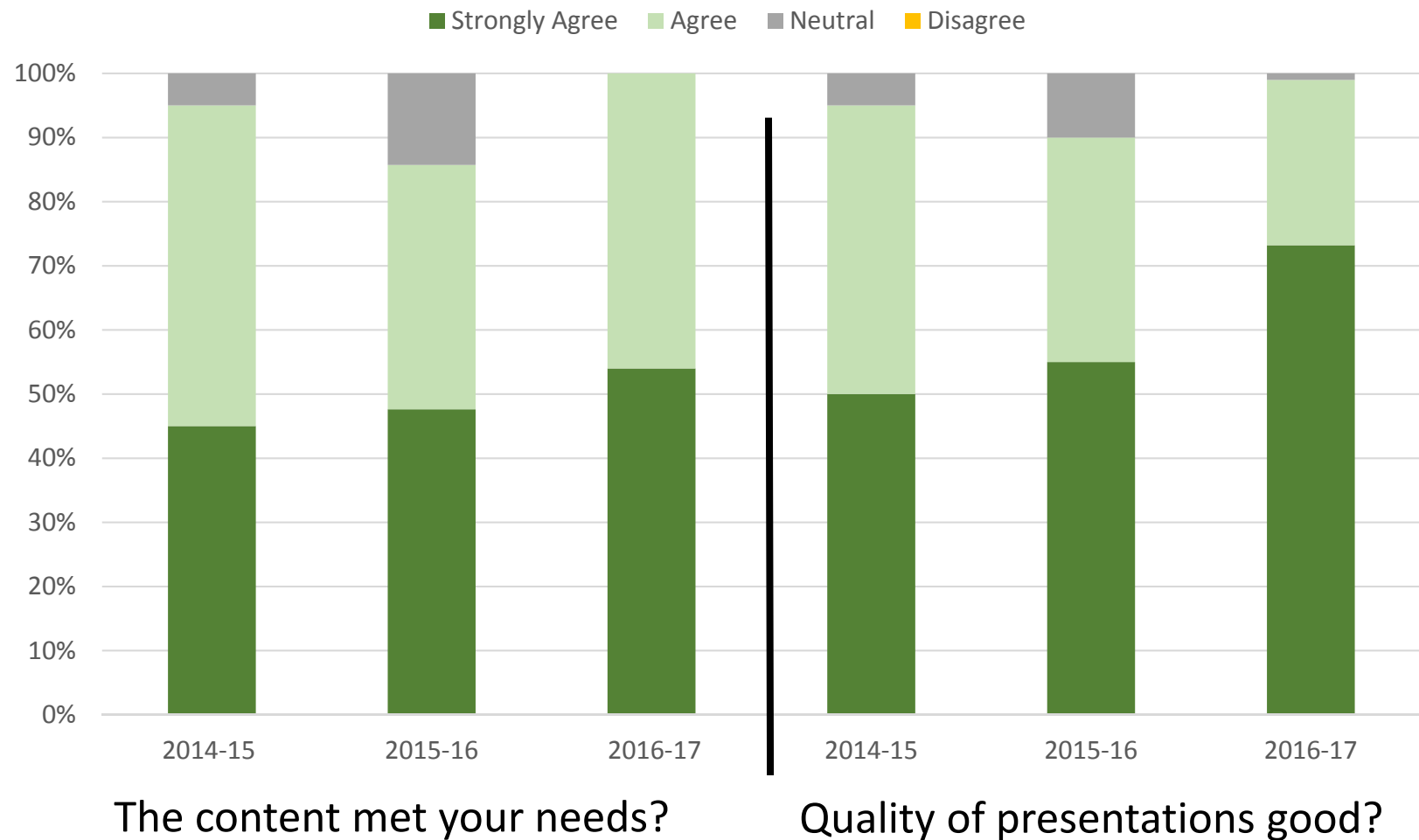


**2017 – 2018**  
**StrokeNet Grand Rounds Schedule**  
**All Webinars begin at 4:00PM Eastern Time**

<https://nihstrokenet.adobeconnect.com/grandrounds/>

Date	Topic	Speaker	Institution	Moderator
July 27	Use of Robotics in Stroke Recovery	Joel Stein, MD	Columbia University, Weill Cornell Medicine	Farhaan Vahidy
Aug 31	Post-Stroke Outcome Measures	Pam Duncan, PhD, PT	Wake Forrest	Harold Adams
Sept 28	Acute Reperfusion Therapy as in Dawn & DEFUSE 3/ Wake up Strokes	Raul Nogueira, MD	Emory University	David Liebeskind
Oct 26	Predicting Stroke Recovery/PREP Algorithm	Cathy Stinear, PhD	University of Auckland	Randy Marshall
Nov 30	International and US Stroke Disparities	Ralph Sacco, MD	University of Miami	Lori Jordan
Jan 18	TCD Embolus Detection / Measurement of Carotid Plaque Burden Hemodynamics	David Spence, MD Randolph Marshall, MD	Robarts Research Institute Columbia University	Dawn Kleindorfer
Feb 22	Sex Differences in Stroke	Louise McCullough, MD, PhD	University of Texas, Houston	Farhaan Vahidy
Mar 22	Gloves Off for Acute Stroke Management; Fellow Case Presentations to Two Stroke Experts	Larry Wechsler, MD Jennifer Majersik, MD	UPMC University of Utah	Randy Marshall
Apr 26	Stroke Prevention with the Expanded use of NOAC and use of Anticoagulants	Scott Kasner, MD	University of Pennsylvania	Shyam Prabhakaran
May 31	Post Stroke Depression	Pam Mitchell, PhD	University of Washington	Cemal Sozener

# StrokeNet Grand Rounds Evals



**2016 – 2017**  
**StrokeNet Grand Rounds Schedule**  
**All Webinars begin at 4:00PM Eastern Time**  
**Except for October 11<sup>th</sup> which will begin at 2:00 ET**

Date	Topic	Speaker	Institution	Moderator
July 28	Atrial Cardiopathies and Cryptogenic Stroke	Hooman Kamel	Weil Cornell	David Tirschwell
Aug 25	Genetics in Stroke	Dan Woo	Cincinnati	David Liebeskind
Oct 11 Tuesday 2:00 EDT	Minority Recruitment and Retention	Claudia Moy, Yuko Palesch, Bernadette Boden-Albala	NINDS MUSC NYU	Dawn Kleindorfer
Oct 27	Wake-up Strokes/Unknown Onset	Shlee Song	Cedars Sinai	David Liebeskind
Nov 17	Moyamoya and other Arterio – Pediatric treatment and complications	Edward R Smith	Children's Hospital Boston	David Tirschwell
Jan 26	Pharmacology and mHealth to improve Rehabilitation Outcomes	Bruce Dobkin	Geffen School of Medicine at UCLA	Randy Marshall
Feb 23	Post-Stroke Outcome Measures	Pam Duncan	Wake Forrest	Randy Marshall
Mar 23	Gloves Off for Acute Stroke Management; Fellow Case Presentations to two Stroke Experts	Pooja Khatri Pat Lyden	Cincinnati Cedars Sinai	Randy Marshall
April 20	Cancer and Stroke	Babak Navi	Weil Cornell	David Tirschwell
May 25	Big Data and our Understanding of Stroke Population Outcomes	Anthony Kim	UCSF	David Tirschwell

# Professional Development Webinars

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- Process: Topics and speakers suggested by members of the education core and end-of-the-year trainee survey
- Variable times and dates (by request of some RCCs)
- Topics and speakers voted upon during Training Core call
  - Many speakers/topics the same year to year

## NIH StrokeNet Professional Development Webinar Schedule

All Times are Eastern Time

**2016 – 2017**

<https://nihstrokenet.adobeconnect.com/pdw/>

Date	Topic	Speaker	Time	Institution	Moderator
Aug 16 Wednesday	Writing your CV & Biosketch	Dawn Kleindorfer	1:00 PM ET	UC	No Moderator Needed
Oct 12 Thursday	How to Present your Data	Enrique Leira	2:00 PM ET	Iowa	
Oct 19 Thursday	Creating a Study Budget	Randy Marshall Stephanie Wilbrand	1:00 PM ET	Columbia Wisconsin	
Nov 27 Monday	When & How to Incorporate a Statistician in a Study	Yuko Palesch	3:00 PM ET	MUSC	
Jan - TBA	Trainee Presentations				
Feb - TBA	Trainee Presentations				
Mar - TBA	Trainee Presentations				
Apr - TBA	Trainee Presentations				
May - TBA	Trainee Presentations				

## NIH StrokeNet Professional Development Webinar Schedule

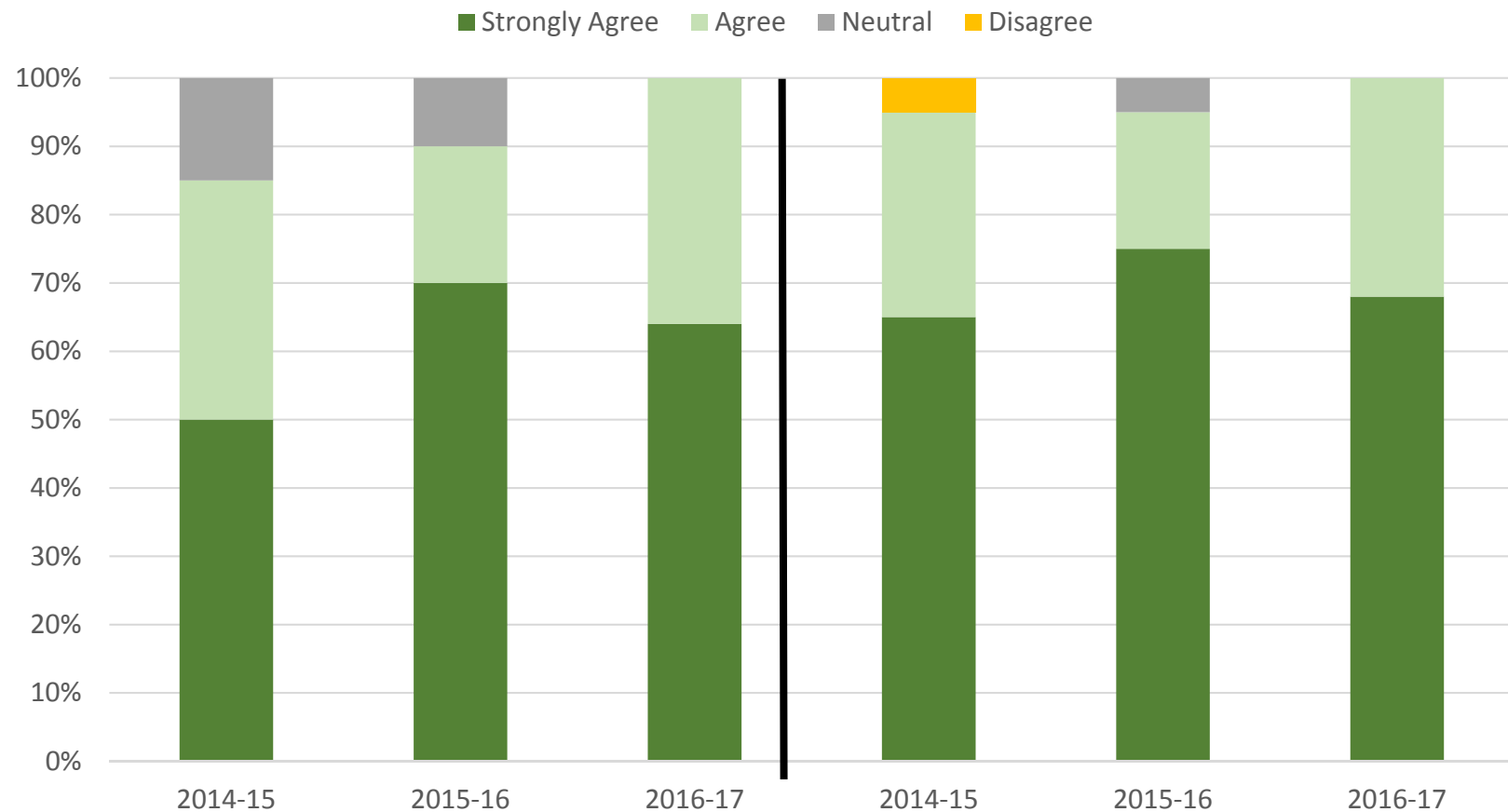
All Times are Eastern Time

**2016 – 2017**

To join the meetings: <https://nihstrokenet.adobeconnect.com/pdw/>

Date	Topic	Speaker	Time	Institution	Moderator
<b>Aug 1 Monday</b>	Writing your CV & Biosketch	Dawn Kleindorfer	3:00 EDT	Cincinnati	None Needed
<b>Aug 16 Tuesday</b>	Grant Writing	Steve Greenberg	2:00 EDT	MGH	Randy Marshall
<b>Sept 22 Thursday</b>	How to Present your Data	Enrique Leira	2:00 EDT	Iowa	Farhaan Vahidy
<b>Oct 19 Wednesday</b>	Creating a Study Budget	Joe Broderick Judith Spilker	2:00 EDT	Cincinnati	David Liebeskind
<b>Nov 10 Thursday</b>	Approval Process for Medical Devices in Stroke	Wade Smith	2:00 EST	UCSF	Dawn Kleindorfer
	TBA - Trainee Presentations				
	TBA - Trainee Presentations				
	TBA - Trainee Presentations				
	TBA - Trainee Presentations				
	TBA - Trainee Presentations				
	TBA - Trainee Presentations				

# Professional Dev. Webinar Evals



The content met your needs?

Quality of presentations good?

# Research Presentations

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- RCC Trainees submitted applications to present their work with summary of their research plans and/or results
  - Assigned 2+ faculty mentors to review their work for feedback
  - Training core members reviewed the applications and scored them
- 3 presented at ISC StrokeNet General Meeting
- 6 presented at a session prior to the StrokeNet meeting, with designated mentors present
  - Very engaged group, lots of great discussions
- Remainder presented webinars monthly over the year.
- **This year research presentations are required!**
  - Deadline will be in mid-November



# Activities of the Training Core

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- Supervision of the RCC Training Programs
  - Ensure that adequate focus on stroke research
  - Education plans with milestones for progress due prior to trainee arrival
    - We really do read these!
  - Final Progress Report
    - Including information about their next position and success in research so far, contact information
    - We read these too....please ensure that these are filled out adequately. Trainees should participate in the process.

# What kind of training?

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- Research training  $\neq$  a few didactic courses squeezed into a clinically heavy schedule
- Coursework is important, but protected time from clinical activity and strong mentorship even more important
  - Pre-specified goals and milestones agreed upon by trainee and mentor ideal
  - If the trainee only has time for courses, this is a problem

# Activities of the Training Core

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- Serve as a resource for trainees and mentors
  - Maintain contact info for current and past trainees
  - Post training opportunities, such as NINDS Clinical Trials Workshop
  - Job postings
  - Assist with finding mentors for trainees off-site
    - Away rotations

## End-of-year Survey of 2016-17 Trainees

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- “your overall experience was good, and you believe it enhanced your stroke research career”
  - 78% strongly agree, 22% agree

Mentorship	Strongly Agree				
	Agree		Neutral		
The time you were able to spend with your mentor met your needs.	75%	14%	4%		
The feedback you received from your mentor was adequate & helpful.	82%	18%			
Did the mentor assigned develop into a relationship?	67%	30%		Disagree	3%

# How did you feel about time spent?

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How do you feel about how your time was spent?	About Right	Too Much	Too Little
Clinical	96%	4%	
Education	96%		
Research	100%		

# Did your experience as a StrokeNet Trainee influence your decision to continue or not continue in stroke research?

- 66% yes
  - Improved networking
  - New ideas, increased interest in research
  - Good start on a project
  - Exposure to research all over the country
  - More tools to be successful
  - Encouragement, inspiring, role models
- 33% no
  - 3 of these: continuing in fellowship, personal issues drove the decision to private practice, already decided on research prior to StrokeNet

# Written Feedback-Strengths

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- Overwhelmingly positive feedback regarding research presentations in all formats
- Webinars are considered a strength, as is the overall opportunity for protected time, mentors

# Written Feedback-Opportunities

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- Number one issue: **networking with their peers**
- Diversity of the trainee pool makes it hard for one-size-fits-all
- One year did not seem long enough for many
- Statistics training lacking
  - Our recommendations of online curriculum for stats training not utilized/communicated well
  - Added a prof. dev. Webinar by Yuko Palesch about how to engage statisticians in your study



# New Program: Learning Communities

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- To improve networking within the trainees, career mentorship and research mentorship with experts external to the home RCC site
  - Divided trainees by research interest
  - Assigned RCC mentors to each group by research area of expertise
- Monthly video conference calls
  - Agenda driven by trainees
  - Discuss research ideas, career questions, get to know each other, journal clubs

<b><u>Group A - Epidemiology/Prevention/Disparities</u></b>	<b><u>Harold Adams, MD</u></b>
02 Columbia Health Sciences	Eliza Miller, MD
07 (Mt. Sinai) NYU	Eric Roberts, MPH
08 Northwestern	Rasha Alkhatib, MHS, PhD
17 Michigan	Chengwei Li, MPH
21 Texas	Kristin Brown, MD
<b><u>Group B - Recovery</u></b>	<b><u>Elliot Roth, MD</u></b>
03 Emory University	Deborah Barany, PhD
05 MUSC	Pratik Yashvant Chhatbar, MD, PhD
06 Medstar	Jessica Barth, MS, OTR/L
10 Stanford	Catherine Legault, MD, FRCPC
13 UCSF	Cathra Halabi, MD
<b><u>Group C - Imaging/Small Vessel Disease</u></b>	<b><u>Natalia Rost, MD</u></b>
04 Massachusetts General	Marco Pasi, MD
09 Ohio State	Yousef Hannawi, MD
11 UCLA	Neil Maluste, MD
23 Washington	Hiroko Watase, MD, MPH
<b><u>Group D - Neurosurgery/Neurocritical Care</u></b>	<b><u>Sepi Amin-Hanjani, MD</u></b>
20 U. Pittsburgh	Merritt W. Brown, MD
24 Wisconsin	Ignatius Ngene Esene, PhD
25 Vanderbilt	Natalie Hall, MSN, FNP-C, ANVP-BC,

<b><u>Group E - Hyperacute Stroke</u></b>	<b><u>Andrew Barreto, MD</u></b>
14 UC	Eva A. Mistry, MD
15 Iowa	Kaustubh Limaye, MD
16 Miami	Erika Marulanda-Londoño, MD
<b><u>Group F - General Stroke</u></b>	<b><u>David Tirschwell, MD</u></b>
07 (Mt. Siani) Montfiore	Ekaterina Bakradze, MD
19 UPEN	James E. Siegler, MD
22 Utah	Robert A. Campbell, PhD
01 Case Western Reserve	Ciro Ramos Estebanez, MD, PhD
<b><u>Group G - Behavioral/Stroke Knowledge/QI</u></b>	<b><u>Leslie Skolarus, MD</u></b>
07 Mt. Sinai	Neha S. Dangayach, MD
12 UCSD	Abhishek Lunagariya, MD
18 Minnesota	Mohammed Alkuwaiti, MBBS
06 Medstar	Mary Carter Denny

## New Program: Basic Science Journal Club Webinar Series

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- Quarterly webinar
- Led by a strokenet investigator with an ongoing StrokeNet trial
- Describes the basic science that underlies the trial
  - ARCADIA webinar by David Tirschwell

# Dr. Stephen Korn, PhD

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- Director of the Office of Training and Workforce Development, NINDS