NIH StrokeNet Training Core Update

Dawn Kleindorfer, MD

October, 2018

2018-2019 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

- 21 trainees, 48% female

- 3 Minority/Underrepresented

- 5/21 are faculty members

- Degrees

  - MD   14
  - PhD   0
  - MD – MPH   2
  - MBBS-MPH   1
  - MPH – PhD   1
  - MPH   2
  - DO, MA   1

Disciplines of Trainees

- Neurology   6
- Vascular Neurology   10
- Neurosurgery   2
- Stroke Epidemiology   1
- Emergency Medicine   1
- Neuroradiology   1

Learning Communities

- 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 and scheduling now driven by mentors
  - Discuss research ideas, career questions, get to know each other, journal clubs

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<u>Group A - General Stroke</u>	<u>Harold Adams, MD</u>
02 Columbia Health Sciences	Setareh Salehi Omran, MD
04 MGH	Richa Sharma, MD, MPH
28 Washington University	Mariya Gusman, MD
15-Iowa	Sami Al Kasab, MD
<u>Group B - Recovery</u>	<u>Elliot Roth, MD</u>
05 MUSC	Forest Lowe, MD
26 UAB	Abimbola Fadairo, MBBS, MPH
10 Stanford	Adam Maclellan, MD, FRCPC
<u>Group C - Acute</u>	<u>Shlee Song, MD</u>
11 UCLA	Kunakorn Atchaneeyasakul, MD
13 UCSF	Kevin J. Keenan, MD
19 UPEN	Christopher J. Renner, MD
20 U. Pittsburgh	Shashvat M. Desai, MD
27 Wake Forest (Western NC)	Christine Tschoe, MD
29-Yale	Nils Petersen, MD
<u>Group D - Systems of Care</u>	<u>Ed Jauch, MD</u>
06 Medstar	Joseph Carrera, MD
USC	Shauna Cheung, MD
12 UCSD	Julian Duda, MD
22-Utah	Chelsea Meyer, DO, MA
<u>Group E - Disparities</u>	<u>Anthony Kim, MD</u>
07 Mt. Sinai - NYU	Eric Roberts, MPH
08 Northwestern	Roxanna M. Garcia, MD, MS, MPH
16 Miami	Nicole (Beaton) Sur, MD
29-Yale	Tracy Madsen, MD, MS

Activities of Training Core

Activities of the Training Core

- 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

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Other Activities of the Training Core

- 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.
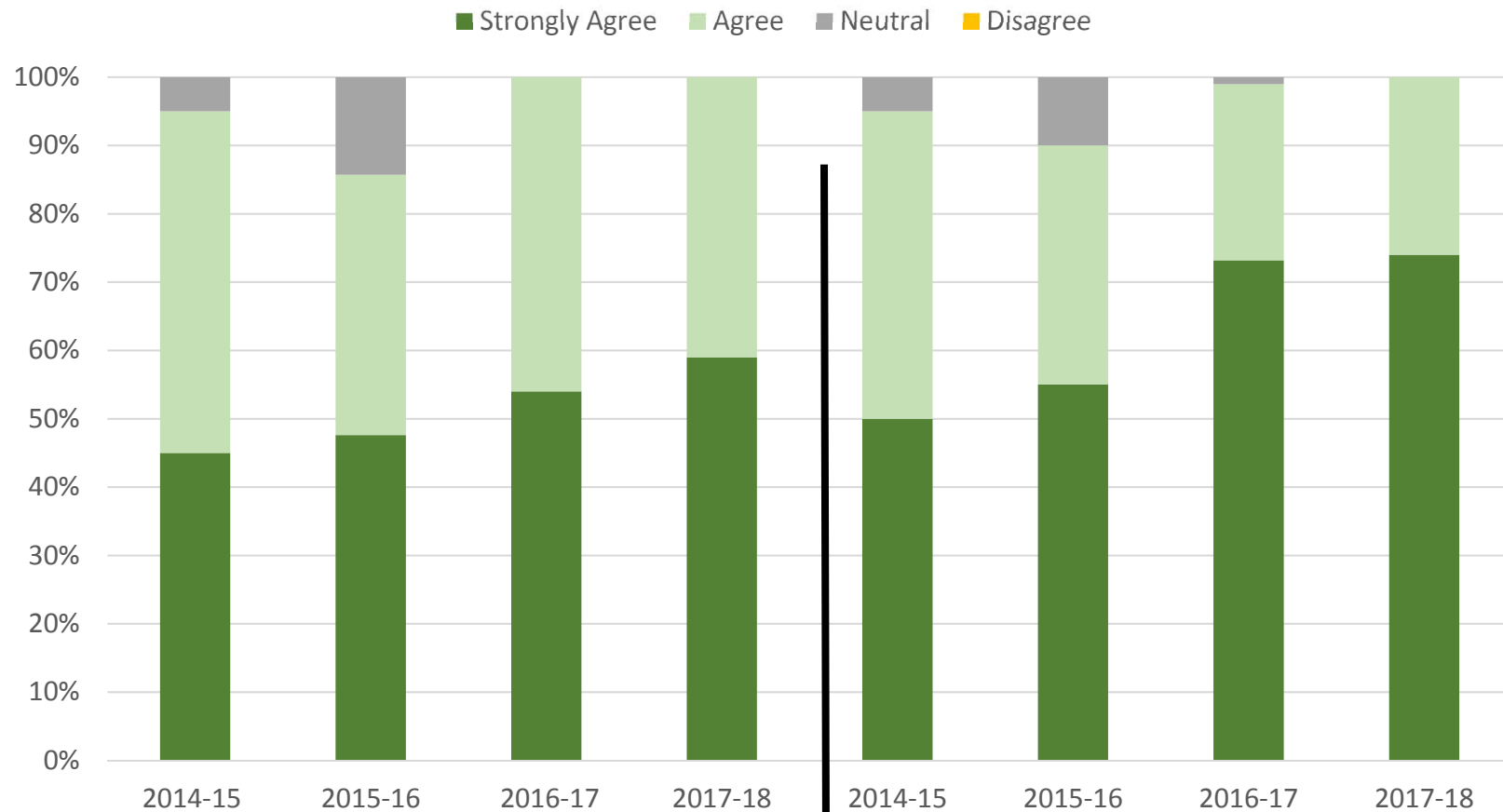
StrokeNet Grand Rounds

- 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

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2018 – 2019
StrokeNet Grand Rounds Schedule
<u>All Webinars begin at 4:00PM Eastern Time</u>
https://nihstrokenet.adobeconnect.com/grandrounds/

Date	Topic	Speaker	Moderator
July 26	Genomics as an Informational Tool in Neurorehabilitation	Steve Cramer, MD	Hal Adams
Aug 30	Cerebral Edema After Acute Brain Ischemia	Kevin N. Sheth, MD	Cemal Sozener
Sept 27	Community Education in Stroke	Shyam Prabhakaran, MD	Farhaan Vahidy
Oct 25	Perioperative & Periprocedural Stroke	Steven Messe, MD	Cemal Sozener
Nov 29	From Compensation to Recovery in Motor Function Following Stroke: a Never Ending Continuum	John W. Krakauer, MD	Steve Wolf
Jan 31	Blood Pressure Variability and its Effects on Stroke Outcomes	Adam de Havenon, MD	Farhaan Vahidy
Feb 28	Brain Susceptibility to Acute Ischemia: Why White Matter Matters	Natalia Rost, MD	Shyam Prabhakaran
Mar 21	Gloves Off for Acute Stroke Management; Fellow Case Presentations to Two Stroke Experts	Louise McCullough, MD, PhD Wade Smith, MD, PhD	Randy Marshall
Apr 4	Preconditioning the Brain for Stroke Prevention	Sebastian Koch, MD & Miguel A. Perez-Pinzon, Ph.D.	Dawn Kleindorfer
May 30	Translational Research: Inflammation and Post-stroke Cognitive Decline	Marion Buckwalter, MD, PhD	Randy Marshall

StrokeNet Webinars Mean Attendance

Grand Rounds

- 2015-2016 - **78**
- 2016-2017 - **70**
- 2017-18 - **69**

Professional Development

- 2015-2016 - **51**
- 2016-2017 - **51**
- 2017-18 - **38**

PS remember these are required for your trainee(s), and all are posted online for viewing after the fact!

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Professional Development Webinars

- 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

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NIH StrokeNet Professional Development Webinar Schedule
All Times are Eastern Time
2018 – 2019
https://nihstrokenet.adobeconnect.com/pdw/

Date	Topic	Speaker	Time	Moderator
Aug 23	How to Present Your Data	Dawn Kleindorfer	2:00 PM	NA
Sept 24	CV & Biosketch	Lori Jordan	1:00 PM	Farhaan Vahidy
Oct 9	Creating a Study Budget	Randy Marshall Stephanie Wilbrand	12:00 PM	NA
Dec 4	When & How to Incorporate a Statistician in a Study	Yuko Palesch	1:00 PM	TBA

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Professional Dev. Webinar Evals
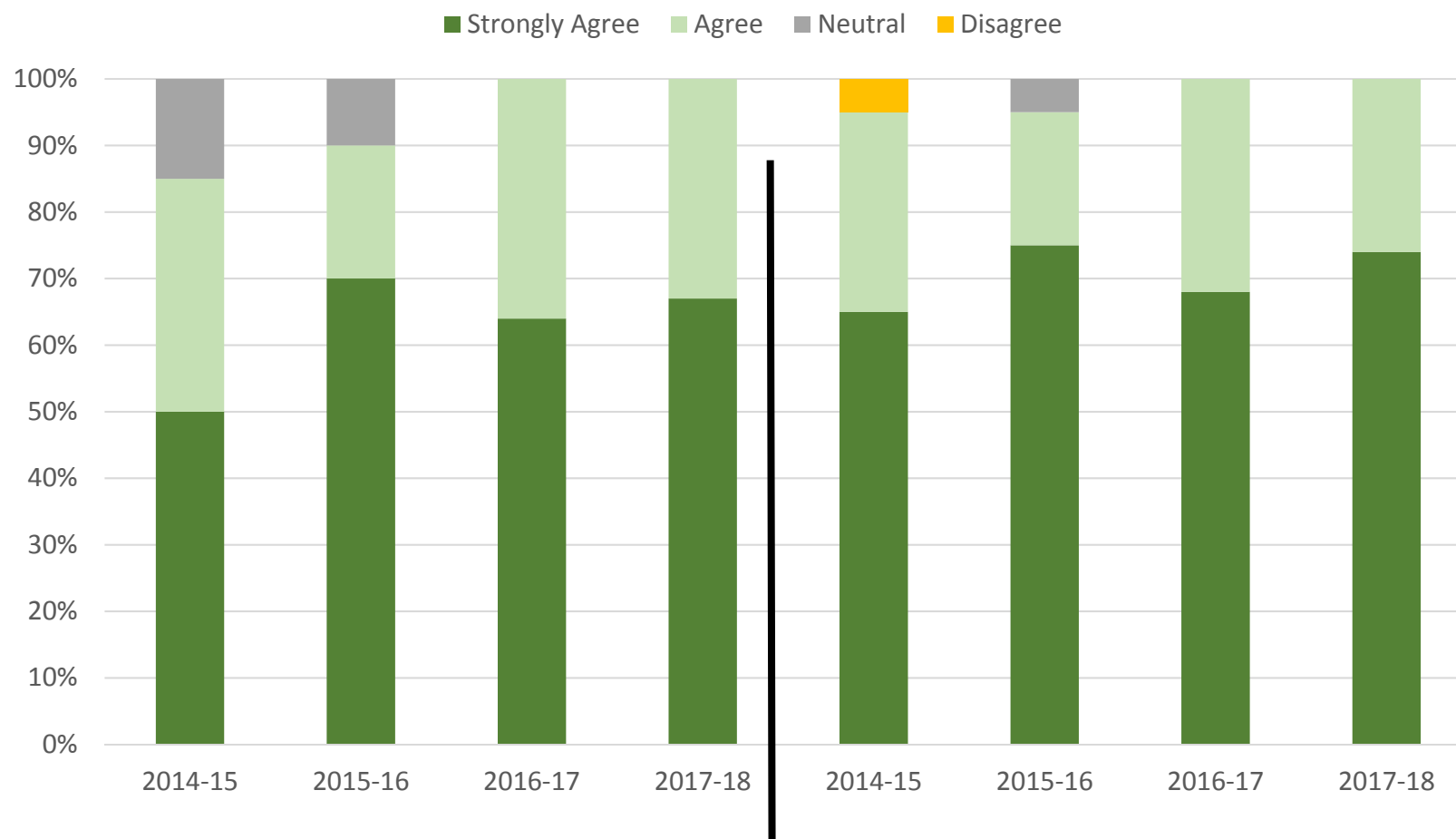
Basic Science Journal Club Webinar Series

- Biannual webinar

- Led by a StrokeNet investigator with an ongoing StrokeNet trial

- Describes the basic science that underlies the trial
  - ARCADIA webinar by David Tirschwell in December 2017
  - CREST 2 webinar by Randy Marshall

- Feedback thus far: difficult to do a true journal club via webinar, less engagement by listeners than presenters would have liked

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Research Presentations

- RCC Trainees submit 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 review the applications and score them
- Tentative plan: 6 will present at a session prior to the ISC in Hawaii, with designated mentors present
  - Very engaged group, lots of great discussions in the past
- Remainder will present webinars monthly over the year.

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2017-18 Trainee Data

Trainee Publication Productivity 2017-18

- 27/28 trainees had abstracts or manuscripts
  - 55 first author abstracts
  - 27 first author manuscripts
  - 30 secondary author abstracts
  - 30 secondary author manuscripts
- 9/28 trainees submitted a grant proposal during the training period
  - R-01
  - K-23
  - K-01
  - KL-2
  - American Heart Association
  - American Society of Hematology
  - Intramural seed grants
  - Private foundations (Bee Foundation, Pre-eclampsia Foundation, Ash Scholar, Gerstner Scholar)

End-of-year Survey of 2017-18 Trainees

- "your overall experience was good, and you believe it enhanced your stroke research career"
  - 89% strongly agree, 11% agree

Mentorship	Strongly Agree	Agree	Neutral	Disagree	
The time you were able to spend with your mentor met your needs.	63%	22%	15%	4%	
The feedback you received from your mentor was adequate & helpful.	67%	15%	7%	11%	
Did the mentor assigned develop into a relationship?	67%	15%	11%	7%	

How did you spend your time during training?

List percentages of how your time was spent during the training year?	Mean percentage	Range
Clinical	30%	0-80%
Education	11%	0-50%
Research	59%	15-100%

Did your experience as a StrokeNet Trainee influence your decision to continue or not continue in stroke research?
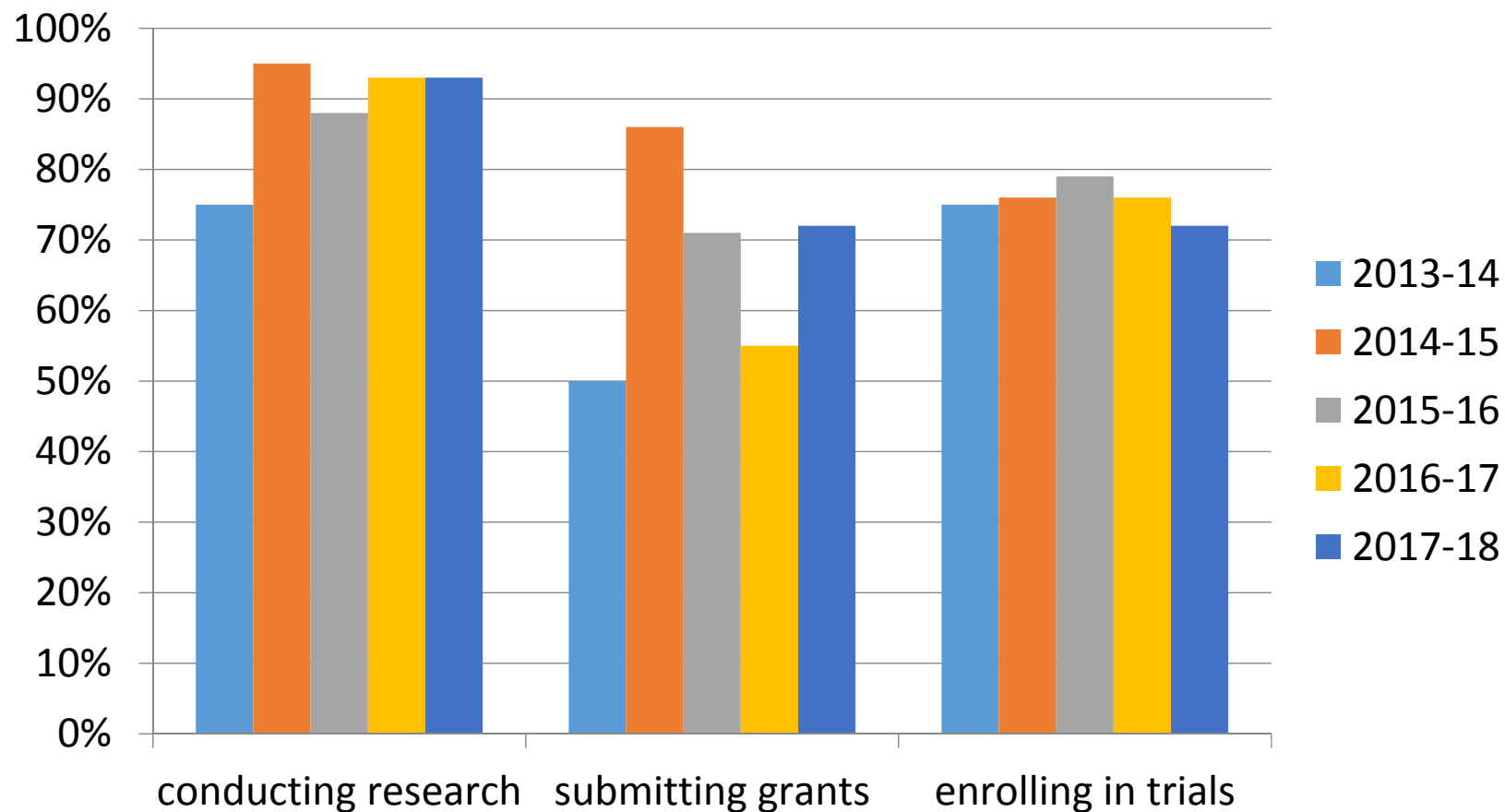
- 100% yes or was already committed to research before
  - Protected time
  - Networking in the stroke research community
  - Structure of strokenet really helped fill in gaps at local center
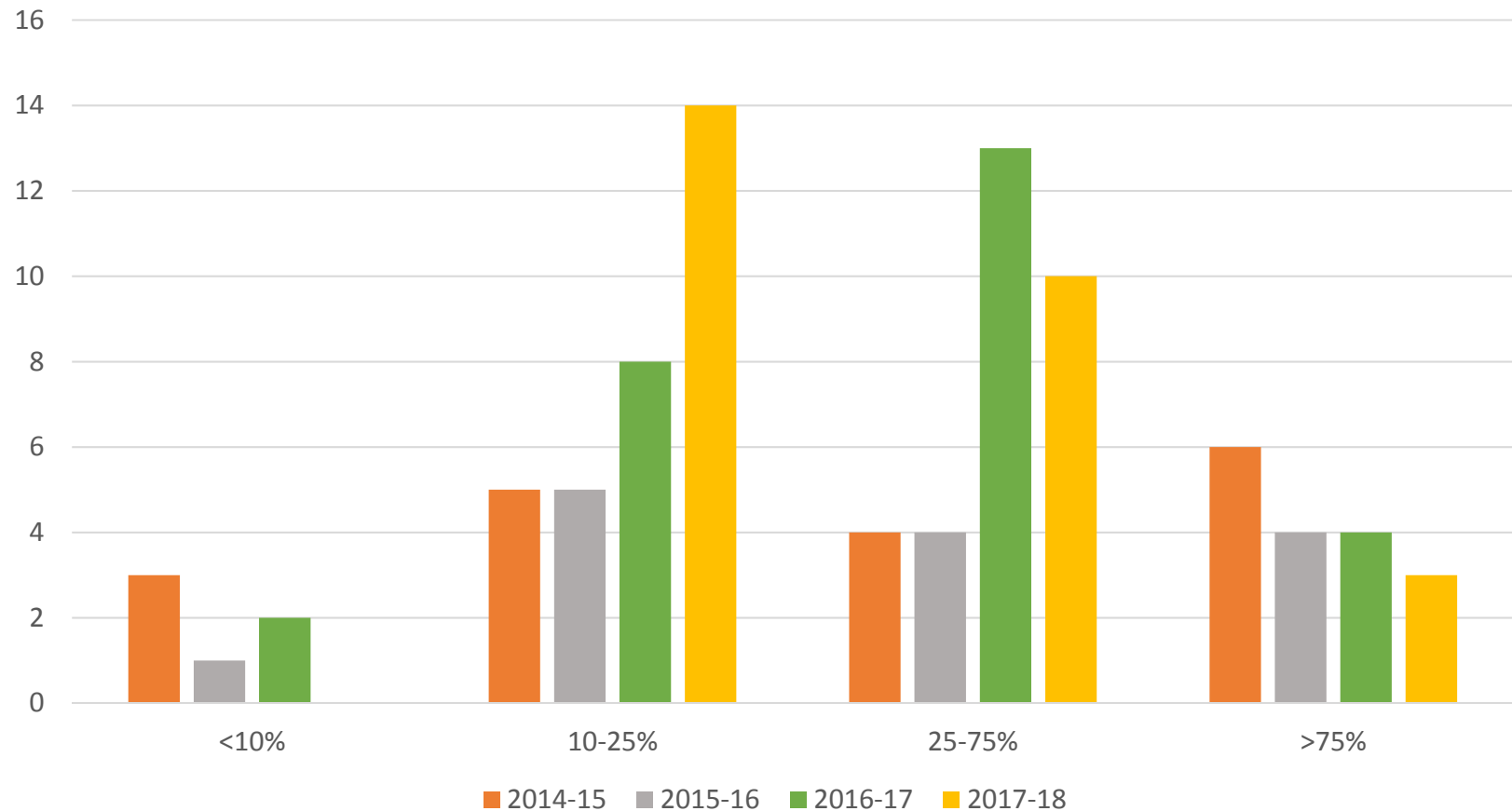 - Better understand the research process and steps I need to take

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Where do StrokeNet Trainees Go Next?
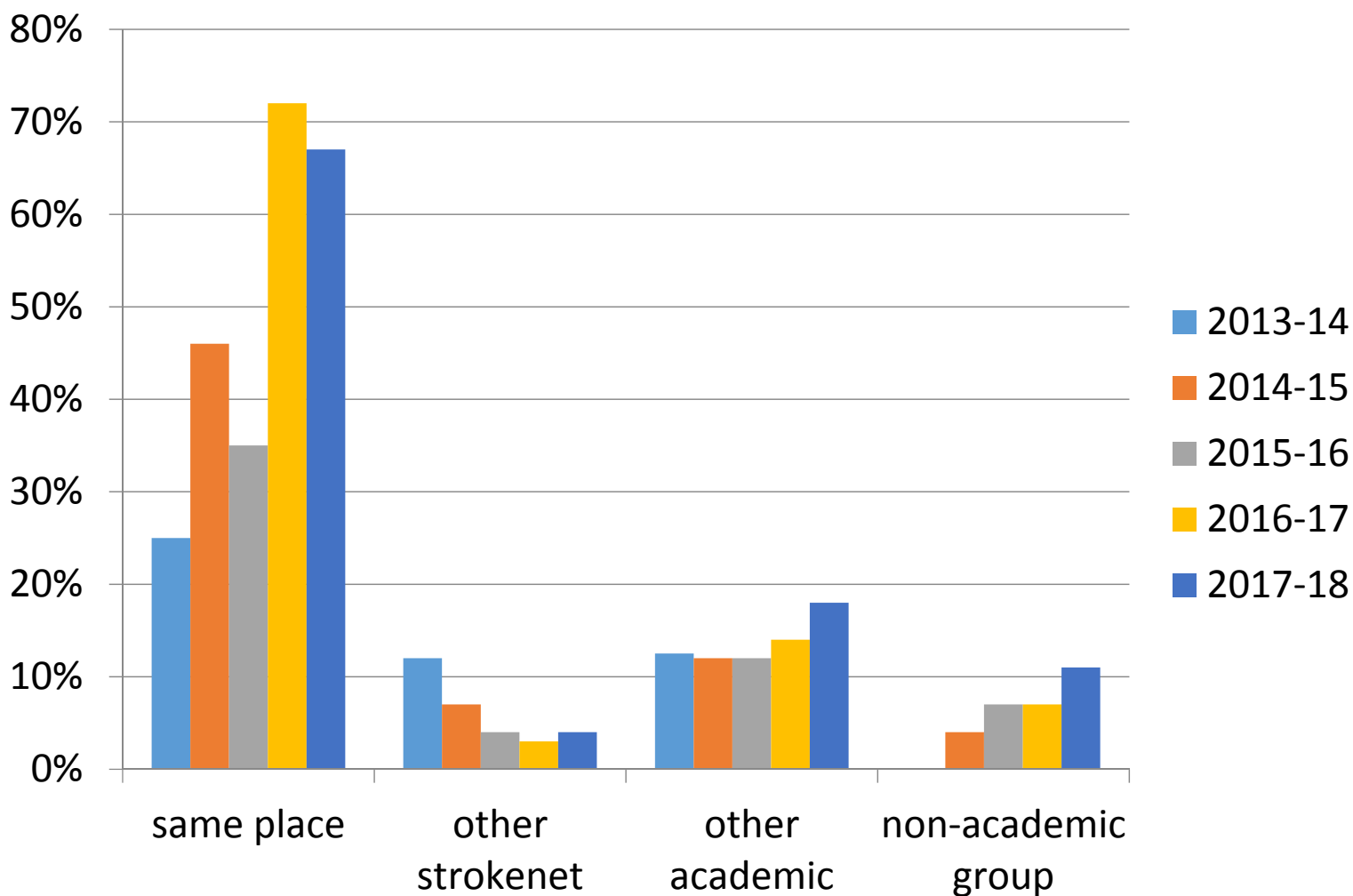
What are they planning on doing related to research?

How much time will they spend on research in their next position?

Legend: ■ 2014-15 ■ 2015-16 ■ 2016-17 ■ 2017-18

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Written Feedback-Strengths

- Overwhelmingly positive feedback regarding research presentations in all formats

- Webinars are considered a strength, as is the overall opportunity for protected time, mentors

- Networking within the network and with peers
  - Still want to meet with their peers in person…

Written Feedback-Opportunities

- Number one issue had previously been networking with their peers, this year wasn't as consistent
  - New learning community peer networking implemented
- Diversity of the trainee pool makes it hard for one-size-fits-all
- One year did not seem long enough for many
- More practical didactics for how to start a research project requested