Workshop

Translational Stroke Research: Vision and Opportunities

Bldg. 10, Masur Auditorium, NIH campus, Bethesda, MD

November 1-2, 2016

Workshop Objectives:

1) To review existing animal models and outcome measures and establish a vision on what is needed to move translational research forward in ischemic and hemorrhagic stroke.
2) To evaluate potential infrastructures and approaches for preclinical studies with a rigorous experimental design with similar standards applied in human clinical trials.
3) Perspectives from Stroke-NET regarding opportunities in reverse-translation, and harmonization of data-sharing, toolbox, and CDEs.

NIH /NINDS Program Staff Organizing Committee: Francesca Bosetti, Rod Corriveau, Lyn Jakeman, Scott Janis, Jim Koenig, Claudia Moy, Ipolia Ramadan, Shai Silberberg, Hao Wang

Steering committee: Tom Carmichael (University of California Los Angeles), Costantino Iadecola (Weill Cornell Medical School), Louise McCullough (University of Texas Health Science Center, Houston), Joe Broderick (University of Cincinnati), Mike Tymianski (University of Toronto, Canada), Uli Dirnagl (Charité, Germany), Eng Lo (Massachusetts General Hospital), Pat Lyden (Cedars Sinai), John Zhang (Loma Linda University), Stephen Back (Oregon Health & Science University).
Workshop agenda (draft)

Day 1

8:00-8:30  Registration

8:30-9:00  Welcome and Introduction to the workshop, state of the field and overview of the issues and challenges in translational stroke research. Walter Koroshetz & Francesca Bosetti (NINDS)

Session 1: Animal models and outcome measures. What is needed to move translational stroke research forward? Chairs: Kyra Becker (University of Washington), Jim Koenig (NINDS)

9:00-9:20  A systematic review of current translational stroke research. Malcolm McLeod (University of Edinburgh, UK)

9:20-9:50  Panel discussion: Are new animal models needed? Tom Carmichael (University of California Los Angeles), Louise McCullough (University of Texas Health Science Center, Houston), Eng Lo (Massachusetts General Hospital), Carina Mallard (University of Gothenburg, Sweden)

9:50-10:20  Panel discussion: How to improve outcome measures? John Zhang (Loma Linda University), Stephen Back (Oregon Health & Science University), Miguel Perez-Pinzon (University of Miami), Sunghee Cho (Weill Cornell Medical College)

10:20-10:30  Break

10:30-11:00  Panel discussion: From rodents to humans: How can we integrate current efforts? What should preclinical research look like? Mary Stenzel-Poore (Oregon Health & Science University), Byron Ford (University of California Riverside), James Meschia (Mayo Clinic), Karen Furie (Brown University)

11:00-11:45  General Discussion and Q/As

11:45 - 12:45  LUNCH (on your own)

Session 2: Opportunities for reverse translation: from bed-to-bench-side. Chairs: Steve Warach (University of Texas Austin), Scott Janis (NINDS)

12:45-1:05  Perspectives from Stroke NET: are there reverse translation opportunities? Larry Wechsler (University of Pittsburgh)

1:05-2:25  What can we learn from clinical trials to inform preclinical research? Mike Tymianski (University of Toronto, Canada)

2:25-2:45  Data sharing and Common Data Elements: bridging preclinical and clinical research. Lee Schwamm (Massachusetts General Hospital)
2:40- 2:55 Break

2:55 - 3:40 **Panel Discussion and Q/As.** Panelists: Karen Furie (Brown University), Karen Johnston (University of Virginia), Dawn Kleindorfer (University of Cincinnati), Steve Cramer (University of California Irvine), Sean Savitz (University of Texas Houston), Gary Steinberg (Stanford University), Thomas Hemmen (University of California San Diego)

Session 3: Approaches in preclinical stroke research and lessons learned: What is the path forward? Chairs: Uli Dirnagl (Charité, Germany), Francesca Bosetti (NINDS)

3:40- 5:00 **Panel discussion:** Lessons learned that can inform ideal approach to move new therapies forward. Panelists: Emily Sena (University of Edinburgh, UK), Pat Kochanek (University of Pittsburgh), Adam Ferguson (University of California San Francisco), Seth Finklestein, Stemetix, Boston), Harold Kohn (University of North Carolina), Cenk Ayata (Massachusetts General Hospital), Marilyn Cipolla (University of Vermont), Dale Corbett (University of Ottawa, Canada).

5:00-5:30 General Discussion and Q/As. Announcements.

5:30 Meeting adjourns

Day 2

8:15-8:20 Debrief on day 1 and introduction to Discussion Groups

8:20- 10:00 Focused Discussion 1: Preclinical models, outcome measures, and the role of reverse translation. What is needed to move translational stroke research forward?

10:00 -10:10 Break


11:50- pick up pre-ordered lunch

12:00 -12:30 Presentation of finalized recommendations

12:30-1:30 Open Discussion

1:30- 1:40 Concluding remarks, meeting ends.

Additional invited participants:

Ed Jauch, Medical University South Carolina, American Heart Association/ American Stroke Association

Billy Dunn and Lois Freed, Food and Drug Administration