

National Exercise Clinical Trials Network (NExTNet)

NExTNet was established in 2012 to lead and facilitate rigorous, multi-site exercise clinical trials that will fill major knowledge gaps in exercise biology and medicine (e.g., dose-response relationships; exercise-drug/device interactions; response heterogeneity, exercise genomics, and personalized medicine; disease and population specificity; and bio-behavioral mechanisms of adherence and behavioral change). The network brings together the physical and intellectual resources of an interdisciplinary, collaborative team of the nation's leading

experts in the field. Currently 77 institutions from coast to coast are members, and the UAB Center for Exercise Medicine at the University of Alabama at Birmingham (UAB) serves as the Coordinating Center. In addition to establishing procedures for protocol standardization across sites, the network is supported by REDCap databases for data entry/auditing, searchable site-specific data, and resource sharing. The databases contain detailed contact information, expertise, capabilities, and equipment inventories for testing cardiopulmonary function, neuromuscular function, body composition, and metabolites; resistance training; endurance or interval training; and descriptions of key ancillary services (core laboratories, clinical research units, bioinformatics and statistical design/analysis services, etc). The resource sharing database compiles exercise trials data and resources available for sharing, including biological specimens.

NExTNet strategic planning teleconferences occur bi-monthly, and a few face-to-face meetings occur each year. NExTNet is guided by a 6-member Executive Committee: Marcas Bamman, PhD, founding Director, University of Alabama at Birmingham (UAB); William Kraus, MD, Duke University; Wendy Kohrt, PhD, University of Colorado-Denver; John Jakicic, PhD, University of Pittsburgh;

NExTNet Member Institutions (n=77)	
Arizona State University	University of Arkansas for Medical Sci.
Ball State University	University of California – Davis
Beth Israel Deaconess Medical Center	University of California – Irvine
Boston University	University of California - Los Angeles
California St University – San Marcos	University of California - San Francisco
Case Western Reserve University	University of Chicago
Children's National Medical Center	University of Colorado – Denver
Colorado State University	University of Connecticut
Columbia University	University of Florida
Cornell Medical College	University of Illinois – Chicago
Cornell University	Univ. of Illinois – Urbana-Champaign
Duke University	University of Iowa
East Carolina University	University of Kansas Medical Center
Eastern Michigan University	University of Kentucky
Emory University	University of Maryland
Fred Hutchinson Cancer Research Ctr.	University of Massachusetts Amherst
Harvard Medical School	University of Michigan
Henry Ford Health System	University of Minnesota
Institute for Memory Impairments & Neurological Disorders (Calif. - Irvine)	University of Missouri
Johns Hopkins University	University of New Mexico
Los Angeles Biomedical Research Institute at Harbor-UCLA Med. Center	University of North Carolina
Mayo Clinic - Rochester	University of North Carolina - Asheville
Medical University of S. Carolina	University of Oklahoma
New York University Med. Center	University of Pennsylvania
Northwestern University	University of Pittsburgh
Oregon Health & Science University	University of Rochester
Pennington Biomedical Research Ctr.	University of South Carolina
Purdue University	University of Southern California
Rutgers University	University of Texas
Stanford University	University of Texas Medical Branch
Texas A&M University	University of Texas Southwestern Medical Center
The Ohio State University	University of Utah
The Rockefeller University	University of Virginia
Translational Research Institute for Metabolism and Diabetes	University of Wisconsin
Tufts University	Vanderbilt University
Universite de Sherbrooke	Virginia Commonwealth University
University of Alabama	Wake Forest University
University of Alabama at Birmingham	Washington University (St. Louis)
Coordinating Center	

Scott Trappe, PhD, Ball State University; Frank Booth, PhD, University of Missouri; and ex officio member Jim Whitehead, ACSM VP/CEO.

