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CURRICULUM VITAE

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**Primary academic appointment:** Department of Medicine, Division of Cardiology

**Present academic rank and title:** Professor of Medicine w/ Tenure April 2014-present

**Date and rank of first Duke faculty appointment:** July 1, 2000, Assistant Professor of Medicine

**Medical licensure:** North Carolina License #NC-9600017

**Date of license:** June 30, 1996

**Specialty certification(s) and dates:**

Internal Medicine (#166933)	08/21/1996, valid through 12/31/2016
Cardiovascular Diseases (#166933)	11/08/2000, valid through 12/31/2020
Echocardiography (#052150)	12/02/2005, valid through 06/30/2026
ACSL/BLS/AHA (#NC 05353)	Valid through 10/2019

**Date of birth:** July 5, 1966      **Place:** Pittsburgh, PA, USA

**Citizen of:** United States of America

<b>Education:</b>	<u>Institution</u>	<u>Date</u>	<u>Degree</u>
High School:	Allerdice High School, Pittsburgh, PA	1984	Diploma
College	Oberlin College, Oberlin, OH	1989	B.A. w/High Honors
Medical School	Univ of Pennsylvania, Philadelphia, PA	1993	M.D.
CRTP	Duke University, Durham, NC	2001	M.H.Sc.

**Scholarly societies:** (Alpha Omega Alpha, Sigma Xi, Phi Beta Kappa; etc):

Phi Beta Kappa	1989
Sigma Psi, Scientific Research Society	1989
Alpha Omega Alpha, Medical Honor Society	1993
American Society of Clinical Investigation	2015

**Professional training and academic career:**

<u>Institution</u>	<u>Position/Title</u>	<u>Dates</u>
Brigham and Women's Hospital, Boston, MA	Medicine Intern	1993–1994
Brigham and Women's Hospital, Boston, MA	Medicine Resident	1994–1996
Duke University Medical Center, Durham, NC	Cardiology Fellowship	1996–2000
Duke Clinical Research Institute, Durham, NC <i>Clinical Research Projects: GUSTO-IIb, PARAGON-A, PARADIGM, APLAUD, ASSENT-2, LEAP, ASSENT-3</i>	Research Fellow	1996–2001
Duke University School of Medicine, Durham, NC	Assistant Professor	2000–2007
	Associate Professor	2007–2010
	w/ Tenure	2010–2014
	Professor	2014–present
Vice Chief for Clinical Research – Cardiology		2012–present
Duke Clinical Research Institute, Durham, NC	Research Faculty	2000–present
Early Phase Cardiovascular Research	Director	2005–2010
Cardiovascular Research	Co-Director	2010–2012
Cardiovascular Research	Director	2012–present
Faculty	Associate Director	2013–present

*Clinical Research Projects: ASSENT-3 (Co-I), LEAP (PI), XaNADU-PCI (Co-PI), XaNADU-ACS (PI), PREVENT-IV (PI), SYNERGY (CEC Faculty Leader), CEGS Grant (NIH, Consultant), OASIS-5 (Site PI), SHOCK-2 Pilot (Data Center PI, Site PI), KILO (PI, Sponsor), GENE-MAGIC (NIH, Co-I), MEND-CABG (Site PI), TRIUMPH (Co-I), REGADO-IA (Co-I), ENDEAVOR Japan (Co-I), SEPIA-PCI (Co-I, Encrypted Heparin Monitoring), SPIRIT Japan (Co-I), APPRAISE (PI), REGADO-1B (Co-I), MEND-CABG 2 (Co-I), ARISTOTLE (Co-I), NAPA-CS (PI), REVERSAL-PCI (Co-I), APPRAISE-2 (PI), CT Surgery Network Clinical Center (NIH, Duke Site Co-PI), RED-CABG (DSMB Chair), RADAR (PI, Steering Committee Chair), CSL Phase 2a (PI), MAPS (Co-I), REGULATE-PCI (Co-PI), SECURE-PCI (Executive Committee), CARMELINA (Steering Committee), HARMONEE (DSMC Member), AEGIS-1 (Executive Committee), LEVO-CTS (Study Chair), AUGUSTUS (Study Chair), MINT (Executive Committee), AEGIS-II (Executive Committee), ROMA (Steering Committee), TRAVERSE (DMC Chair), Zafgen Phase 2 (DMC Chair), BEAT-HF (Study Chair), QUORUM (Steering Committee)*

Duke University, Center for the Study of Medical Ethics and the Humanities	Faculty Associate	2001–2010
Chiba University, Chiba Japan	Visiting Professor	2012–present

## **Publications:**

**Refereed journals:** (Refereed journals are scientific publications that have active editorial boards and a system of critical review of all submissions for publication)

1. **Alexander JH**, Harrington RA. Antiplatelet and Antithrombin Therapies in the Acute Coronary Syndromes. *Curr Opin Cardiol* 1997;12:427-437 (PMID:9263656).
2. **Alexander JH**, Ohman EM, Harrington RA. Platelet Glycoprotein IIb/IIIa Inhibitors in Acute Myocardial Infarction: Pathophysiology and Clinical Effects. *Acute Coronary Syndromes* 1998;1:46-51.
3. **Alexander JH**, Harrington RA. Recent Antiplatelet Drug Trials in the Acute Coronary Syndromes: Clinical Interpretation of PRISM, PRISM-PLUS, PARAGON A and PURSUIT. *Drugs* 1998;56:965-976 (PMID:9878986).
4. **Alexander JH**, Granger CB, Sadowski ZP, Aylward PE, White HD, Thompson TD, Califf RM, Topol EJ; for the GUSTO-I and GUSTO-IIb Investigators. Prophylactic Lidocaine Use in Acute Myocardial Infarction: Incidence and Outcomes From Two International Trials. *J Am Heart Assoc* 1999;137:799-805 (PMID:10220627).
5. Sadowski ZP, **Alexander JH**, Skrabucha B, Dyduzynski A, Kuch J, Nartowicz E, Swiatecka G, Kong DF, Granger CB. Multicenter Randomized Trial of Lidocaine in Acute Myocardial Infarction and a Systematic Overview of Lidocaine in Acute Myocardial Infarction. *J Am Heart Assoc* 1999;137:792-798 (PMID:10220626).
6. **Alexander JH**, Harrington RA, Tuttle RH, Berdan LG, Lincoff AM, Deckers JW, Simoons ML, Guerci A, Hochman JS, Wilcox RG, Kitt RM, Eisenberg PR, Califf RM, Topol EJ, Karsh K, Ruzyllo W, Stepinska J, Widimsky P, Boland JB, Armstrong PW. Prior Aspirin Use Predicts Worse Outcomes in Patients with Non-ST-elevation Acute Coronary Syndromes. *Am J Cardiol* 1999;83:1147-1151 (PMID:10215274).
7. **Alexander JH**, Sparapani RA, Mahaffey KW, Deckers JW, Newby LK, Ohman EM, Corbalan R, Chierchia SL, Boland JB, Simoons ML, Califf RM, Topol EJ, Harrington RA; for the PURSUIT Steering Committee. Association Between Minor Elevations of Creatine Kinase-MB Level and Mortality in Patients with Acute Coronary Syndromes Without ST-segment Elevation. *JAMA* 2000;283:347-353 (PMID:10647797).
8. Sparapani R, **Alexander JH**. Incorporating Quantitative Information into a Qualitative Composite Endpoint. *American Statistical Association, Proceedings of the Biopharmaceutical Sections* 2000:117-121.
9. Al-Khatib SM, Califf RM, Hasselblad V, **Alexander JH**, McCrory DC, Sugarman J. Placebo-controls in Short-term Clinical Trials of Hypertension. *Science* 2001;292:2013-2015 (PMID:11408643).
10. Angeja BG, **Alexander JH**, Chin R, Li X, Barron HV, Granger CB, Van de Werf F, Gibson CM. Safety of the Weight-adjusted Dosing Regimen of Tenecteplase in the ASSENT-2 Trial. *Am J Cardiol* 2001;88:1240-1245 (PMID:11728350).
11. Akkerhuis KM, **Alexander JH**, Tardiff BE, Boersma E, Harrington RA, Lincoff AM, Simoons ML. Minor Myocardial Damage and Prognosis: Are Spontaneous and Percutaneous Coronary Intervention-related Events Different? *Circulation* 2002;105:554-556 (PMID:11827918).
12. Serebruany VL, Malinin AI, Callahan KP, Binbrek AS, Van de Werf F, **Alexander JH**, Granger CB, Gurbel PA. Effect of Tenecteplase Versus Alteplase on Platelets During the First

- Three Hours of Treatment for Acute Myocardial Infarction: The Assessment of the Safety and Efficacy of a New Thrombolytic Agent (ASSENT-2) Platelet Substudy. *J Am Heart Assoc* 2003;145:636-642 (PMID:12679759).
13. **Alexander JH**, Harrington RA, Bhapkar M, Gardner L, Mahaffey KW, Lincoff AM, Ohman EM, Klootwijk P, Pahlm O, Henden B, Deckers JW, Simoons ML, Califf RM, Wagner GS. Prognostic Importance of New Small Q Waves Following Non-ST-elevation Acute Coronary Syndromes. *Am J Med* 2003;115:613-619 (PMID:14656613).
  14. Sinnaeve PR, **Alexander JH**, Belmans A, Bogaerts K, Langer A, Diaz R, Ardellino D, Vahanian A, Armstrong P, Van de Werf P; for the ASSENT-2 Investigators. One-year Follow-up of the ASSENT-2 Trial: A Double-blind Randomized Comparison of Single-bolus Tenecteplase and Front-loaded Alteplase in 16,949 Patients with ST-elevation Acute Myocardial Infarction. *J Am Heart Assoc* 2003;146:27-32 (PMID:12851604).
  15. Rebeiz AG, Roe MT, **Alexander JH**, Mahaffey KW, Granger CB, Peterson ED, Califf RM, Harrington RA. Integrating Antithrombin and Antiplatelet Therapies with Early Invasive Management for Non-ST-segment Elevation Acute Coronary Syndromes. *Am J Med* 2004;116:119-129 (PMID:14715326).
  16. Roe MT, Mahaffey KW, Kilaru R, **Alexander JH**, Akkerhuis KM, Simoons ML, Harrington RA, Tardiff BE, Granger CB, Ohman EM, Moliterno DJ, Lincoff AM, Armstrong PW, Van de Werf F, Califf RM, Topol EJ. Creatinine Kinase-MB Elevation after Percutaneous Coronary Intervention Predicts Adverse Outcomes in Patients with Acute Coronary Syndromes. *Eur Heart J* 2004;25:313-321 (PMID:14984920).
  17. **Alexander JH**, Peterson ED, Chen AY, Harding TM, Adams DB, Kisslo JA. Feasibility of Point-of-care Echocardiography by Internal Medicine House Staff. *J Am Heart Assoc* 2004;147:476-481 (PMID:14999197).
  18. Waters RE, Singh KP, Roe MT, Mahaffey KW, Newby LK, **Alexander JH**, Harrington RA, Califf RM, Granger CB. Rationale and Strategies for Implementing Community-based Transfer Protocols for Primary Percutaneous Coronary Intervention for Acute ST-segment Elevation Myocardial Infarction. *J Am Coll Cardiol* 2004;43:2153-2159 (PMID:15193673).
  19. Sinnaeve P, **Alexander JH**, Bogaerts K, Belmans A, Wallentin L, Armstrong P, Adgey JAA, Tendera M, Diaz R, Soares-Piegas L, Vahanian A, Granger CB, Van de Werf FJ. Efficacy of Tenecteplase in Combination with Enoxaparin, Abciximab, or Unfractionated Heparin: One-year Follow-up Results of the Assessment of the Safety of a New Thrombolytic-3 (ASSENT-3) Randomized Trial in Acute Myocardial Infarction. *J Am Heart Assoc* 2004;147:993-998 (PMID:15199346).
  20. **Alexander JH**, Dyke CK, Yang H, Becker RC, Hasselblad V, Zillman L, Kleiman NS, Hochman JS, Berger PB, Cohen EA, Lincoff AM, Saint-Jacques H, Chetcuti H, Burton JR, Buegler JM, Spence FP, Shimoto Y, Robertson TL, Kunitada S, Bovill EG, Armstrong PW, Harrington RA; on behalf of the XaNADU-PCI PILOT Investigators. Initial Experience with Factor-Xa Inhibition in Percutaneous Coronary Intervention: the XaNADU-PCI Pilot. *J Thromb Haemost* 2004;2:234-241 (PMID:14995984).
  21. Curtis JP, **Alexander JH**, Huang Y, Wallentin L, Verheugt FWA, Armstrong PW, Krumholz HM, Van de Werf F, Danays T, Cheeks M, Granger CB. Efficacy and Safety of Two Unfractionated Heparin Dosing Strategies with Tenecteplase in Acute Myocardial Infarction (Results from Assessment of the Safety and Efficacy of a New Thrombolytic Regimens 2 and 3). *Am J Cardiol* 2004;94:279-283 (PMID:15276088).

22. Weston P, **Alexander JH**, Patel MR, Maynard C, Crawford L, Wagner GS. Hand-held Echocardiographic Examination of Patients with Symptoms of Acute Coronary Syndromes in the Emergency Department: The 30-day Outcome Associated with Normal Left Ventricular Wall Motion. *Am Heart J* 2004;148:1096-1101 (PMID:15632899).
23. Becker RC, **Alexander JH**, Dyke CK, Harrington RA. Development of DX-9065a, a Novel Direct Factor Xa Antagonist, in Cardiovascular Disease. *Thromb Haemost* 2004;92:1182-1193 (PMID:15583722).
24. Borges-Neto S, Shaw L, **Alexander JH**, Smith WT IV, Tuttle RH, Chambless M, Coleman RE, Harrington RA, Califf RM. Incremental Prognostic Power of Single-photon Emission Computed Tomography Myocardial Perfusion Imaging in Patients with Known or Suspected Coronary Artery Disease. *Am J Cardiol* 2005;95:182-188 (PMID:15642549).
25. **Alexander JH**, Yang H, Becker RC, Kodama K, Goodman S, Dyke CK, Kleiman NS, Hochman JS, Berger PB, Cohen EA, Lincoff AM, Burton JR, Bovill EG, Kawai C, Armstrong PW, Harrington RA. First Experience with Direct, Selective Factor Xa Inhibition in Patients with Non-ST-elevation Acute Coronary Syndromes: Results of the XaNADU-ACS trial. *J Thromb Haemost* 2005;3:439-447 (PMID:15748230).
26. Mehta RH, **Alexander JH**, Van de Werf F, Armstrong PW, Pieper KS, Garg J, Califf RM, Granger CB. Relationship of Incorrect Dosing of Fibrinolytic Therapy and Clinical Outcomes. *JAMA* 2005;293:1746-1750 (PMID:15827313).
27. Becker RC, **Alexander JH**, Li Y, Robertson T, Kunitada S, Spencer FA, Harrington RA. Vascular Endothelial Tissue Factor Pathway Inhibitor Kinetics in Culture Following Exposure to DX-9065a—A Selective and Direct Factor Xa Inhibitor. *J Thromb Thrombolysis* 2004;18:193-197 (PMID:15815881).
28. Meine TJ, Al-Khatib SM, **Alexander JH**, Granger CB, Kilaru R, Williams K, Ohman EM, Topol E, Califf RM. Incidence, Predictors, and Outcomes of High-degree Atrioventricular Block Complicating Acute Myocardial Infarction Treated with Thrombolytic Therapy. *J Am Heart Assoc* 2005;149:670-674 (PMID:15990751).
29. Mehta RH, Califf RM, Garg J, Pieper KS, **Alexander JH**, Moliterno DJ, Van de Werf F, Ohman EM, White HD, Topol EJ, Granger CB. Association of Height with Outcomes in Patients with Acute Myocardial Infarction Receiving Reperfusion Therapy. *Am J Cardiol* 2005;95:1371-1375 (PMID:15904648).
30. Mahaffey KW, Roe MT, Kilaru R, French JK, **Alexander JH**, Berdan LG, Van de Werf F, Simoons ML, Weaver WD, White HD, Lincoff AM, Kleiman NS, Topol EJ, Harrington RA. Characterization of Myocardial Infarction as an End Point in Two Large Trials of Acute Coronary Syndromes. *Am J Cardiol* 2005;95:1404-1408 (PMID:15950560).
31. Bethel MA, **Alexander JH**, Lane J, Barkauskas C, Feinglos MN. Diabetes on a Cardiovascular Ward: Adherence to Current Recommendations. *South Med J* 2004;97:1031-1037 (PMID:15586590).
32. **Alexander JH**, Singh KP. Inhibition of Factor Xa: A Potential Target for the Development of New Anticoagulants. *Am J Cardiovasc Drugs* 2005;5:279-290 (PMID:16156684).
33. **Alexander JH**, Ferguson TB, Joseph DM, Mack MJ, Wolf RK, Cohn LH, Gibson CM, Gennevois D, Lorenz TJ, Harrington RA, Peterson ED, Lee KL, Putnam W, Califf RM, Kouchoukos NT. The PROject of Ex-vivo Vein graft ENgineering via Transfection IV (PREVENT IV) Trial: Study Rationale, Design, and Baseline Patient Characteristics. *J Am Heart Assoc* 2005;150:643-649 (PMID:16209958).

34. **The PREVENT IV Investigators.** Efficacy and Safety of Edifoligide, an E2F Transcription Factor Decoy, for Prevention of Vein Graft Failure Following Coronary Artery Bypass Graft Surgery: PREVENT IV: A Randomized Controlled Trial. *JAMA* 2005;294:2446-454 (PMID:16287955). (Note: As Principal Investigator, I personally drafted the manuscript, oversaw all analyses, and served as corresponding author).
35. Halabi A, **Alexander JH**, Shaw LK, Lorenz TJ, Liao L, Kong DF, Milano CA, Harrington RA, Smith PK. Relation of Early Saphenous Vein Graft Failure to Outcomes Following Coronary Artery Bypass Surgery. *Am J Cardiol* 2005;96:1254-1259 (PMID:16253593).
36. Becker RC, **Alexander JH**, Dyke CK, Huang Y, Saint-Jacques H, Hasselblad V, Harrington RA, Bovill EG. Effect of the Novel Direct Factor Xa Inhibitor DX-9065a on Thrombin Generation and Inhibition Among Patients with Stable Atherosclerotic Coronary Artery Disease. *Thromb Res* 2006;117:439-446 (PMID:15882894).
37. Galla JM, Mahaffey KW, Sapp SK, **Alexander JH**, Roe MT, Ohman EM, Granger CB, Armstrong PW. Elevated Creatine Kinase-MB with Normal Creatine Kinase Predicts Worse Outcomes in Patients with Acute Coronary Syndromes: Results from Four Large Clinical Trials. *J Am Heart Assoc* 2006;151:16-24 (PMID:16368286).
38. **Alexander JH**, Harrington RA. Advances in Antithrombotic Therapy in Acute Myocardial Infarction: The ExTRACT-TIMI 25 and OASIS-6 Trials. *Curr Cardiol Rep* 2006;8:279-281 (PMID:16883666).
39. Madsen LH, Christensen G, Serebruany VL, Hoen IB, Grieg Z, **Alexander JH**, Granger CB, Jaffe AS, Van Eyk JE, Atar D. Time Course of Degradation of Cardiac Troponin I in Patients with Acute ST-elevation Myocardial Infarction: The ASSENT-2 Troponin Substudy. *Circ Res* 2006;99:1141-1147 (PMID:17038641).
40. Dyke CK, Steinhubl SR, Kleiman NS, Cannon RO, Aberle LG, Lin M, Myles SK, Melloni C, Harrington RA, **Alexander JH**, Becker RC, Rusconi CP. First-in-human Experience of an Antidote-controlled Anticoagulant Using RNA Aptamer Technology: A Phase Ia Pharmacodynamic Evaluation of a Drug-antidote Pair for the Controlled Regulation of Factor IXa Activity. *Circulation* 2006;114:2490-2497 (PMID:17101847).
41. Mahaffey KM, Roe MT, Kilaru R, **Alexander JH**, Van de Werf FJ, Califf RM, Simoons ML, Topol RJ. Creatine Kinase-MB Elevation after Coronary Artery Bypass Grafting Surgery in Patients with Non-ST-segment Elevation Acute Coronary Syndromes Predicts Worse Outcomes: Results from Four Large Clinical Trials. *Eur Heart J* 2007;28:425-432 (PMID:17267458).
42. **TRIUMPH Investigators.** Tilarginine Acetate Injection in a Randomized International Study in Unstable Acute Myocardial Infarction Patients with Cardiogenic Shock (TRIUMPH): An International, Multicenter, Double-blind, Placebo-controlled Study. *JAMA* 2007;297:1657-1666 (PMID:17387132). (Note: As a member of the writing group, I personally drafted the manuscript, oversaw all analyses, and served as corresponding author).
43. Goyal A, **Alexander JH**, Hafley GE, Graham SH, Mehta RH, Mack MJ, Wolf RK, Cohn LH, Kouchoukos NT, Harrington RA, Gennevois D, Gibson CM, Califf RM, Ferguson TB, Peterson ED; for the PREVENT IV Investigators. Outcomes Associated with the Use of Secondary Prevention Medications Following Coronary Artery Bypass Graft Surgery. *Ann Thorac Surg* 2007;83:993-1001 (PMID:17307447).
44. Dzavik V, Cotter G, Reynolds HR, **Alexander JH**, Ramanathan K, Stebbins AL, Hathaway D, Farkouh ME, Ohman EM, Baran DA, Prondzinsky R, Panza JA, Cantor WJ, Vered Z, Buller CE, Kleiman NS, Webb JG, Holmes DR, Parillo JE, Hazen SL, Gross SS, Harrington

- RA, Hochman JS; for the SHOCK-2 Investigators. Effect of Nitric Oxide Synthase Inhibition on Hemodynamics and Outcome of Patients with Persistent Cardiogenic Shock Complicating Acute Myocardial Infarction: A Phase 2 Dose-ranging Study. *Eur Heart J* 2007;28:1109-1116 (PMID:17459901).
45. Cohen M, Bhatt DL, **Alexander JH**, Montalescot G, Bode C, Henry T, Tamby JF, Saaiman J, Simek S, De Swart J; on behalf of the SEPIA-PCI Trial Investigators. Randomized, Double-blind, Dose-ranging Study of Otamixaban, a Novel, Parenteral, Short-acting, Direct Factor Xa Inhibitor in Percutaneous Coronary Intervention: The SEPIA-PCI Trial. *Circulation* 2007;115:2642-2651 (PMID:17502577).
  46. Magee MJ, **Alexander JH**, Hafley G, Ferguson TB, Gibson CM, Harrington RA, Peterson ED, Califf RM, Kouchoukos NT, Herbert MA, Mack MJ. Coronary Artery Bypass Graft Failure after On-pump and Off-pump Coronary Artery Bypass: Findings from PREVENT IV. *Ann Thorac Surg* 2008;85:494-500 (PMID:18222251).
  47. **The MEND-CABG II Investigators**. Efficacy and Safety of Pyrodoxal 5'-Phosphate (MC-1) in High-risk Patients Undergoing Coronary Artery Bypass Graft Surgery: The MEND-CABG II Randomized Clinical Trial. *JAMA* 2008;299:1777-1787 (PMID:18381567). (Note: As a member of the writing group, I personally drafted the manuscript, oversaw all analyses, and served as corresponding author).
  48. Olenchock SA, Karpaliotis D, Gibson WJ, Murphy SA, Southard MC, Ciaglio L, Buros J, Mack MJ, **Alexander JH**, Harrington RA, Califf RM, Kouchoukos NT, Ferguson TB, Gibson CM. Impact of Saphenous Vein Graft Radiographic Markers on Clinical Events and Angiographic Parameters. *Ann Thorac Surg* 2008;85:520-524 (PMID:18222256).
  49. Mehta RH, **Alexander JH**, Emery R, Ellis SJ, Hasselblad V, Khalil A, Carrier M, Harrington RA, Tardif JC; MEND-CABG II Investigators. A Randomized, Double-blind, Placebo-controlled, Multi-center Study to Evaluate the Cardioprotective Effects of MC-1 in Patients Undergoing High-risk Coronary Artery Bypass Graft Surgery: MC-1 to Eliminate Necrosis and Damage in Coronary Artery Bypass Graft Surgery Trial (MEND-CABG) II—Study Design and Rationale. *J Am Heart Assoc* 2008;155:600-608 (PMID:18371465).
  50. Chan MY, Rusconi CP, **Alexander JH**, Tonkens RM, Harrington RA, Becker RC. A Randomized, Repeat-dose, Pharmacodynamic and Safety Study of an Antidote-controlled Factor IXa Inhibitor. *J Thromb Haemost* 2008;6:789-796 (PMID:18284597).
  51. Chan MY, Cohen MG, Dyke CK, Myles SK, Aberle LG, Lin M, Walder J, Steinhubl SR, Gilchrist IC, Kleiman NS, Vorchheimer DA, Chronos N, Melloni C, **Alexander JH**, Harrington RA, Tonkens RM, Becker RC, Rusconi CP. Phase 1b Randomized Study of Antidote-controlled Modulation of Factor IXa Activity in Patients with Stable Coronary Artery Disease. *Circulation* 2008;117:2865-874 (PMID:18506005).
  52. Yau JM, **Alexander JH**, Hafley G, Mahaffey KW, Mack MJ, Kouchoukos N, Goyal A, Peterson ED, Gibson CM, Califf RM, Harrington RA, Ferguson TB. Impact of Perioperative Myocardial Infarction on Angiographic and Clinical Outcomes Following Coronary Artery Bypass Grafting (From PProject of Ex-vivo Vein graft ENgineering via Transfection [PREVENT] IV). *Am J Cardiol* 2008;102:546-551 (PMID:18721510).
  53. Lopes RD, Piccini JP, Hylek EM, Granger CB, **Alexander JH**. Antithrombotic Therapy in Atrial Fibrillation: Guidelines Translated for the Clinician. *J Thromb Thrombolysis* 2008;26:167-174 (PMID:18807225).
  54. Mehta RH, Hafley GE, Gibson CM, Harrington RA, Peterson ED, Mack MJ, Kouchoukos NT, Califf RM, Ferguson TB, **Alexander JH**; on behalf of the Project of Ex-vivo Vein Graft

- Engineering via Transfection (PREVENT)-IV Investigators. Influence of Preoperative Renal Dysfunction on One-year Bypass Graft Patency and Two-year Outcomes in Patients Undergoing Coronary Artery Bypass Surgery. *J Thorac Cardiovasc Surg* 2008;136:1149-1155 (PMID:19026795).
55. Turer AT, Mahaffey KW, Honeycutt E, Tuttle RH, Shaw LK, Sketch MH, Smith PK, Califf RM, **Alexander JH**. Influence of Body Mass Index on the Efficacy of Revascularization in Patients with Coronary Artery Disease. *J Thorac Cardiovasc Surg* 2009;137:1468-1474 (PMID:19464466).
  56. **APPRAISE Steering Committee and Investigators**. Apixaban, an Oral, Direct, Selective Factor Xa Inhibitor, in Combination with Antiplatelet Therapy after Acute Coronary Syndrome: Results of the Apixaban for Prevention of Acute Ischemic and Safety Events (APPRAISE) Trial. *Circulation* 2009;119:2877-2885 (PMID:19470889). (Note: As Principal Investigator, I personally drafted the manuscript, oversaw all analyses, and served as corresponding author).
  57. Kraai EP, Lopes RD, **Alexander JH**, Garcia D. Perioperative Management of Anticoagulation: Guidelines Translated for the Clinician. *J Thromb Thrombolysis* 2009;28:16-22 (PMID:19242654).
  58. Bhatt DL, Kottke-Marchant K, **Alexander JH**, Peacock WF, Sabatine MS. Platelet Response in Practice: Applying New Insights and Tools for Testing and Treatment. *Cleve Clin J Med* 2009;76 Suppl 1:S24-32 (PMID:19332591).
  59. Houman Fekrazad M, Lopes RD, Stashenko GJ, **Alexander JH**, Garcia D. Treatment of Venous Thromboembolism: Guidelines Translated for the Clinician. *J Thromb Thrombolysis* 2009;28:270-275 (PMID:19579012).
  60. Lopes RD, Hafley GE, Allen KB, Ferguson TB, Peterson ED, Harrington RA, Mehta RJ, Gibson CM, Mack MJ, Kouchoukos NT, Califf RM, **Alexander JH**. Endoscopic vs Open Vein-graft Harvesting in Coronary-artery Bypass Surgery. *N Engl J Med* 2009;361:234-244 (PMID:19605828).
  61. Katz JN, Stebbins AL, **Alexander JH**, Reynolds HR, Pieper KS, Ruzyllo W, Werdan K, Geppert A, Dzavik V, Van de Werf F, Hochman JS; for the TRIUMPH Investigators. Predictors of 30-day Mortality in Patients with Refractory Cardiogenic Shock Following Acute Myocardial Infarction Despite a Patent Infarct Artery. *J Am Heart Assoc* 2009;158:680-687 (PMID:19781431).
  62. Al-Khatib SA, Hafley G, Harrington RA, Mack MJ, Ferguson TB, Peterson ED, Califf RM, Kouchoukos, NT, **Alexander JH**. Patterns of Management of Atrial Fibrillation Complicating Coronary Artery Bypass Grafting: Results from the PRoject of Ex-vivo Vein graft ENgineering via Transfection IV (PREVENT-IV) Trial. *J Am Heart Assoc* 2009;158:792-798 (PMID:19853700).
  63. Lopes RD, **Alexander JH**, Al-Khatib SM, Ansell J, Diaz R, Easton D, Gersh BJ, Granger CB, Hanna M, Horowitz J, Hylek EM, McMurray JJV, Verheugt FWA, Wallentin L. Apixaban for Reduction in Stroke and Other Thromboembolic Events in Atrial Fibrillation (ARISTOTLE) Trial: Design and Rationale. *J Am Heart Assoc* 2010;159:331-339 (PMID:20211292).
  64. Krishnan A, Lopes RD, **Alexander JH**, Becker RC, Goldstein LB. Antithrombotic Therapy for Ischemic Stroke: Guidelines Translated for the Clinician. *J Thromb Thrombolysis* 2010;293:368-377 (PMID:20127273).
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12. Lopes RD, Garcia D, Becker RC, Granger CB, Newby LK, **Alexander JH**, Jolicoeur EM, Handler A, Pieper KS, Carvalho AC, Guimaraes HP, Chamone DAF, Baruzzi AC, Machado FS, Timerman A, Lopes AC. Highlights from the II International Symposium of Thrombosis and Anticoagulation (STA), October 22-23, 2009, Sao Paulo, Brazil. *J Thromb Thrombolysis* 2010;29:395-408 (PMID:20157840).
13. Lopes RD, Becker RC, **Alexander JH**, Armstrong PW, Califf RM, Chan MY, Crowther M, Granger CB, Harrington RA, Hylek EM, James SK, Jolicoeur EM, Mahaffey KW, Newby LK, Peterson ED, Pieper KS, Van de Werf F, Wallentin L, White HD, Carvalho AC, Giraldez RB, Guimaraes HP, Nader HB, Kalil RAK, Bizzachi JMA, Lopes AC, Garcia DA. Highlights

- from the III International Symposium of Thrombosis and Anticoagulation (ISTA), October 14–16, 2010, Sao Paulo, Brazil. *J Thromb Thrombolysis* 2011;32:242-266 (PMID: 21547405). Wiggins NB, Granger CB, **Alexander JH**. Novel Oral Anticoagulants after Acute Coronary Syndromes. *Cardiovasc Drugs Ther* 2012;26:265-71 (PMID: 22434545).
14. Vavalle JP, **Alexander JH**. Authors' reply to 'The Not so 'Ideal' Body Weight-Based Dosing of Integrilin in Obesity.' *Am Heart J* 2012;163:e25 (PMID: 22520550).
  15. **Alexander JH**. Factor Xa Inhibitors. In: Moliterno D, Dehmer GJ, Kandzari DE, Rao SV, Ziada KM, eds. *CathSAP 4. Cardiac Catheterization and Interventional Cardiology Self-Assessment Program*. 4th version. Washington, DC: American College of Cardiology Foundation; 2013. <http://www.cardiosource.org/Lifelong-Learning-and-MOC/Certified-Learning/SAPs/2012/CathSAP-4.aspx>. Accessed February 26, 2013.
  16. Sherwood MW, **Alexander JH**. Transitions with Novel Oral Anticoagulants. <http://anticoagulation.cardiosource.org>. November 20, 2013. <http://anticoagulation.cardiosource.org/Hot-Topics/2013/11/Transitions-With-Novel-Oral-Anticoagulants.aspx>. Accessed December 3, 2013.
  17. Harskamp RE, Schulte PJ, **Alexander JH**, Lopes RD. Authors' reply to 'Impact of Extracardiac Vascular Disease on Vein Graft Failure and Outcomes after Coronary Artery Bypass Surgery'. *Ann Thorac Surg* 2014;98:1890 (PMID:25441825).
  18. Kertai, M D, Li, Y-J, Li, Y-W, Ji, Y, **Alexander, JH**, Newman, MF, Podgoreanu, MV. Genome-wide Association Study of Perioperative Myocardial Infarction after Coronary Artery Bypass Surgery. *BMJ Open* 2015;5:e006920 (PMID:25948407).
  19. Roe MT, Mahaffey KW, Ezekowitz JA, **Alexander JH**, Goodman SG, Hernandez A, Temple T, Berdan L, Califf RM, Harrington RA, Peterson ED, Armstrong PW. The Future of Cardiovascular Clinical Research in North America and Beyond—addressing Challenges and Leveraging Opportunities through Unique Academic and Grassroots Collaborations. *J Am Heart Assoc* 2015;169:743-750 (PMID:26027610).
  20. Hess CN, Lopes RD, Gibson CM, Hager R, Wojdyla DM, Englum BR, Mack MJ, Kouchoukos NT, Peterson ED, **Alexander JH**. Response to Letters Regarding Article, Saphenous Vein Graft Failure after Coronary Artery Bypass Surgery: Insights from PREVENT IV". *Circulation* 2015;132:e29 (PMID:26216091).
  21. Castleberry AW, Williams JB, Daneshmand MA, Honeycutt E, Shaw LK, Samad Z, Lopes RD, **Alexander JH**, Mathew JP, Velazquez EJ, Milano CA, Smith PK. Response to letter regarding Article, "Surgical Revascularization Is Associated with Maximal Survival in Patients with Ischemic Mitral Regurgitation: A 20-year Experience". *Circulation* 2015;131:e378-9 (PMID:25779550).
  22. Lincoff AM, **Alexander JH**, Mehran R. REGULATE-PCI trial--Author's reply. *Lancet* 2016;387:1500-1501 (PMID:27115975).
  23. Harskamp RE, **Alexander JH**, Ferguson TB, Jr, Hager R, Mack MJ, Englum B, Wojdyla D, Schulte PJ, Kouchoukos NT, de Winter RJ, Gibson CM, Peterson ED, Harrington RA, Smith PK, Lopes RD. Response to Letters Regarding Article, "Frequency and Predictors of Internal Mammary Artery Graft Failure and Subsequent Clinical Outcomes: Insights from the Project of Ex-Vivo Vein Graft Engineering via Transfection (PREVENT) IV Trial". *Circulation* 2016;133:1987-1988 (PMID:27217439).
  24. Vora AN, **Alexander JH**, Lopes RD. Dabigatran Compared with Rivaroxaban vs Warfarin. *JAMA Intern Med*. 2017;742-743 (PMID:28460098).

**Chapters in books:**

1. Harrington RA, **Alexander JH**. Peptide and Non-Peptide Inhibitors of Platelet Glycoprotein IIb/IIIa, Chapter 9. In: *Antiplatelet Therapy in Clinical Practice*. Ferguson, Chronos N, Harrington RA, eds. Martin Dunitz Ltd, London, 2000.
2. **Alexander JH**, Steinhubl SR. Aspirin resistance, Chapter 18. In: *Acute Coronary Syndromes*, Ed. Topol EJ. Marcel Dekker, Inc., New York, 2000.
3. Tricoci P, **Alexander JH**, Harrington RA. Pentasaccharide and Other Factor Xa Inhibitors, Chapter 8 (123–144). In: *Therapeutic Strategies in Thrombosis*. Eds. Kristensen SD, De Caterina R, Moliterno DJ. Clinical Publishing, Oxford, United Kingdom, 2005.
4. Gutierrez A, Tricoci P, **Alexander JH**. Pentasaccharide Derivatives, Chapter 9 (128–149). In: *Therapeutic Advances in Thrombosis*, 2nd ed. Eds. Moliterno DJ, Kristensen SD, De Caterina R. Wiley-Blackwell, Hoboken, NJ, 2012.
5. Vavalle JP, **Alexander JH**, Roe MT. Acute Coronary Syndromes: Manifestations and Management, Chapter 90 (1064–1086). In: *Hemostasis and Thrombosis: Basic Principles and Clinical Practice*, 6th ed. Eds. Marder VJ, Aird WC, Bennett JS, Schulman S, White GC, Colman RW. Lippincott Williams & Wilkins, Philadelphia, PA, 2012.

**Books:** None

**Non-authored publications:**

1. Dolor RJ, Ruybalid RL, Uyeda L, Edson RG, Phibbs C, Vertrees JE, Shih MC, Jacobson AK, and Matchar DB for the THINRS Site Investigators. An Evaluation of Patient Self-Testing Competency of Prothrombin Time for Managing Anticoagulation: Pre-randomization Results of VA Cooperative Study #481 – The Home INR Study (THINRS). *J Thromb Thrombolysis* 2010;30:263-275 (PMID:20628787). (acknowledgement as Clinical Endpoints Committee reviewer)
2. Matchar DB, Jacobson A, Dolor R, Edson R, Uyeda L, Phibbs CS, Vertrees JE, Shih MC, Holodniy M, Lavori P and the THINRS Executive Committee and Site Investigators. Effect of Home Testing of International Normalized Ratio on Clinical Events. *N Engl J Med* 2010;363:1608-1620 (PMID:20961244). (acknowledgement as Clinical Endpoints Committee reviewer)

**Published scientific reviews:**

1. **Alexander JH**, Dyke C. Virtual Patient: Acute Coronary Syndrome Overview. CD-ROM. South San Francisco, CA: COR Therapeutics, Inc., 1999.

**Editorials, position, and background papers:**

1. **Alexander JH**, Harrington RA. Adjunctive Antiplatelet Therapy in Acute Myocardial Infarction: The Road to Improved Infarct-related Artery Patency. *J Thromb Thrombolysis* 1997;4:353-355 (PMID:10639641).
2. **Alexander JH**, Patel MR. Screening for Structural Heart Disease: Time to Stop Listening and Start Looking. *Am Heart J* 2003;146:570-571 (PMID:14564308).
3. **Alexander JH**. Clinical Trials in Japan and the United States. *Am Heart J* 2004;147:200-201 (PMID:14760313).
4. Becker RC, **Alexander JH**, Li YF, Bovill E, Spencer FA, Robertson TL, Kunitada S, Dyke CK, Harrington RA. Combined Coagulation Phase-directed Factor Xa Inhibition with Heparin

- Compounds and DX-9065a—A Direct and Selective Antagonist. *Thromb Haemost* 2004;92:1229-1231 (PMID:15622616).
5. **Alexander JH**, Harrington RA, Ferguson TB, Peterson ED, Gibson CM, Kouchoukos NT; for the PREVENT IV Investigators. Efficacy and Safety of Edifoligide—Reply. *JAMA* 2006;295:1514-1515 (PMID:16595752).
  6. Harrington RA, **Alexander JH**, Hochman JS, Reynolds HR, Dzavik V, Van de Werf FJ. Tilararginine in Patients with Acute Myocardial Infarction and Cardiogenic Shock—Reply. *JAMA* 2007;298:972-973 (PMID:17785640).
  7. **Alexander JH**, Ellis SJ, Tardif JC. Clopidogrel Treatment and the MEND-CABG II Trial—Reply. *JAMA* 2008;300:1021-1022 (PMID:18768409).
  8. Lopes RD, **Alexander JH**, Ferguson TB. Endoscopic versus Open Vein-Graft Harvesting—Reply. *N Engl J Med* 2009;361:1907-1910 (PMID:19911452 and 19890137).
  9. **Alexander JH**. Clinical-Outcome Trials in Cardiac Surgery — Have We Primed the Pump? *N Engl J Med* 2013;368:1247-1248 (PMID:23534564).
  10. **Alexander JH**. Off-pump or on-pump Coronary-artery Bypass Grafting. *N Engl J Med* 2013;369:397 (PMID:23847789).
  11. Harskamp RE, Bonatti JO, Zhao DX, Puskas JD, de Winter RJ, **Alexander JH**, Halkos ME. Standardizing Definitions for Hybrid Coronary Revascularization. *J Thorac Cardiovasc Surg* 2014;147:556-560 (PMID:24280716).
  12. Wallentin L, Lopes RD, Hanna M, Thomas L, Hellkamp A, Nepal S, Hylek EM, Al-Khatib SM, **Alexander JH**, Alings M, Amerena J, Ansell J, Aylward P, Bartunek J, Commerford P, De Caterina R, Erol C, Harjola VP, Held C, Horowitz J, Huber K, Husted S, Keltai M, Lanan F, Lisheng L, McMurray JJ, Oh BH, Rosenqvist M, Ruzyllo W, Steg PG, Vinereanu D, Xavier D, Granger CB. Response to letter regarding article "Efficacy and Safety of Apixaban Compared with Warfarin At Different Levels of Predicted International Normalized Ratio Control for Stroke Prevention in Atrial Fibrillation." *Circulation* 2014;129:e21-2 (PMID:24421367).
  13. **Alexander JH**, Thomas LE. Using Data to Guide Anticoagulation in Patients with Atrial Fibrillation: Does the Analysis Fit the Question? *JAMA Cardiol* 2016:121-122 (PMID:27437881).
  14. **Alexander JH**. Ticagrelor Following Coronary Artery Bypass Grafting: For Better Vein Graft Patency or Better Patient Outcomes? *JAMA* 2018;319:1661-1662 (PMID:29710146).

**Reviewer and editorial boards:**

American Heart Journal, Reviewer  
 Associate Editor (2001–2007)  
 Editorial Board (2007–present)  
 Journal of Thrombosis and Thrombolysis, Reviewer  
 Editorial Board (2001–2010)  
 Journal of Electrocardiography, Reviewer  
 American Journal of Cardiology, Reviewer  
 Laboratory and Clinical Medicine, Reviewer  
 Circulation, Reviewer  
 Journal of the American College of Cardiology, Reviewer  
 Clinical Trials Section Editor (2014-present)  
 Archives of Internal Medicine, Reviewer

JAMA, Reviewer  
 The Lancet, Reviewer  
 The Medical Letter, Reviewer  
 Annals of Internal Medicine, Reviewer  
 European Heart Journal, Reviewer  
 New England Journal of Medicine, Reviewer  
 German Federal Ministry of Education and Research, Clinical Trial Grant Reviewer  
 Blood, Reviewer  
 JAMA Cardiology, Reviewer  
 JAMA Internal Medicine, Reviewer  
 Thrombosis Journal, Reviewer

**Professional awards and special recognitions:**

Chief Fellow, Duke Clinical Research Institute	1998–1999
Clinical Site Coordination Award, Duke Cardiology Research	2000
Visiting Scholar, National Cardiovascular Center, Osaka Japan	2005
Japan Foundation for Aging and Health, Program for the Invitation of Foreign Scientists to Japanese Institutions	
DCRI Robert M. Califf Award for Outstanding Mentorship	2009
Visiting Professor, Chiba University, Chiba Japan	2012–present

**Organizations and participation:**

**DUMC / DCRI academic and administrative activities:**

Clinical Events Committee, DCRI	1996–present
CRF Standardization Initiative, DCRI	1997–1999
Ethics Committee, Duke Hospital	1996–2007
Co-Chair, Clinical Ethics Service	1999–2005
Curriculum Sub-committee, Medical Humanities Bioethics and Law, Duke Medical School	2001–2003
Refusal of Transfusion of Blood and Blood Products Policy Committee, Duke Hospital	2002–2003
DCRI Cardiology Site-Based Research Board	2003–2005
Division of CVM Strategic Initiative, Team Leader	2004
DCRI, Faculty/Operations Interface Team	2003–2005
Electrophysiology Section Chief Search Committee, Chair,	2005–2007
Duke Cardiovascular Fellows Society (DUCCS), Board Member	2005–2007
Duke Heart Center Performance Improvement Board, Quality and Safety of Inpatient Services	2006–2014
Duke Heart Center Site-Based Research (SBR), Director	2006–2011
DCRI, Marketing Committee	2007–2009
DCRI, Quota / Portfolio Management Committee	2007–2008
Duke Research Administration Continuous Improvement (RACI) Faculty Advisory Group	2008–2012
Heart Center Executive Leadership Committee	2008–present
Clinical Trial Transformation Initiative (CTTI)	2010–present



DCRI Representative	2010–2014
Clinical Trial Quality By Design Project	
Executive Committee	2014–2015
Co-Chair	2015–present
Duke Atrial Fibrillation Center, Safety Monitory Board, Chair	2011–2013
Duke LEADER Program Selection Committee	2011–2013
Duke SOM Professionalism Committee, Ad Hoc member	2011
Duke Echocardiography Laboratory / CDU, Interim Director	2018–present
Duke Heart Center IT Committee, Member	2018–present

**National and international professional societies and committee activities:**

Hasting Center	1993–2004
Massachusetts Medical Society	1993–present
American Medical Association	1993–2006
American College of Cardiology	1998–present
Fellow, American College of Cardiology	2002–present
Abstract Reviewer	
American Heart Association	1998–present
Fellow, American Heart Association	2014–present
Council on Clinical Cardiology	2003–present
Membership and Communications Committee	2003–2005
Samuel A. Levine Award Evaluation Committee	2014–2018
Abstract Reviewer	
Session Builder	
Heart Ball Gala	2000–2004
American Society of Echocardiography	2000–2006
VA Cooperative Studies Program Scientific Evaluation Committee	2012–present
Acting Chair	2014–2015
Chair	2015–present
International Advisory Group, UK Medical Research Council, Network for Trials Methodology	2015–present
Romanian Society of Cardiology, Honorary Member	2016-present
VA CSP / NCI NAVIGATE Program Review Committee Chair	2018

**Teaching responsibilities:**

**Clinical teaching:**

General Medicine Teaching Attending	2001, 2003
Duke Medicine Intern / Resident Subspecialty Clinic Preceptor	2002–present
Zareen Farukhi, Medical Resident, Cardiology Clinic	2003–2004
James Yau, Medical Resident, Cardiology Clinic	2005–2007
Cheryl Robertson, Medical Resident, Cardiology Clinic	2010–2011
Duke University SOM, Body & Disease, Cardiology Content Expert	2012, 2013, 2014

**Clinical research teaching:**

DCRI Cardiovascular Medicine Fellows	2000–present
Patrick Weston, Medical Student, Clinical Research	2001–2002

Eric Crespo, Medical Resident, Clinical Research	2001–2004
Tarel Patel, Medical Resident, Clinical Research	2001
Artie Hendricks, CES Intern, Clinical Ethics Service	2001
Jeffrey Griffin, Medical Student, Clinical Research	2002–2006
Melissa Calder, College Student, Clinical Research	2003–2004
Gazala Haque, Masters of Health Sciences Examining Committee	2003
Akiko Kada, Clinical Research, ARO Operations	2005
James Yau, Medical Resident, Clinical Research	2005–2007
Renato Lopes, Research Fellow	2007–2009
Jason Katz, Research Fellow	2008–2009
Jennifer Vergara-Jimenez, Research Fellow	2008–2009
Jonathan Piccini, Research Fellow	2008–2011
Judson Williams, CT Surgery Research Resident	2009–2011
John Vavalle, Research Fellow	2010–2012
Masaya Koshizaka, Chiba University Research Fellow	2011–2013
Brian Englum, CT Surgery Research Resident	2012–2014
Alice Wang, CT Surgery Research Resident	2015–2017
Morgan Cox, CT Surgery Research Resident	2017–2019
Oliver Jawitz, CT Surgery Research Resident	2018-2020

Duke, SOM, New Faculty Orientation Panelist – Clinical Research 2011, 2012

**Invited lectures:**

**International:**

1. Conference Director and Speaker. Ethics in Practice and Policy for Japanese-American Clinical Trials. Tokyo, Japan. May 29-30, 2003.
2. Direct Factor Xa Inhibition in Percutaneous Coronary Intervention and Acute Coronary Syndromes: The XaNADU Trials. ISTH Daiichi Symposium. Birmingham, England. July 15, 2003.
3. Global Regulatory Harmonization and Medical Devices Clinical Trials, General Issues in Global Harmonization. Ethical Considerations. Japanese Circulatory Society Meetings. Tokyo, Japan. March 28, 2004.
4. Site Based Research Infrastructure in Japan – The View from the Duke Clinical Research Institute (DCRI). US Harmonization By Doing (HBD) Think Tank. Tokyo, Japan. January 28, 2005.
5. Program Director. Duke / DCRI Japanese Clinical Research Coordinator (CRC) Training Symposium. Tokyo, Japan. January 29, 2005.
6. Advances in Antithrombotic Therapy for Acute Coronary Syndromes. 19th Annual Meeting of the Japanese Coronary Association. Osaka International Convention Center, Osaka, Japan. December 9, 2005.
7. The Principal Investigator in Clinical Research. Symposium on International Harmonization of Clinical Research for Medical Devices. 19th Annual Meeting of the Japanese Coronary Association. Osaka International Convention Center, Osaka, Japan. December 10, 2005.
8. Program Planner and Speaker. Harmonization By Doing (HBD) First Annual Think Tank–East. Overview, Review, Forward View. Tokyo, Japan. December 11-13, 2005
  - a. Language—Communication in Global Clinical Research

- b. The PseudoMetrics DES Program
  - c. What's Important to Add Quality and Efficiency and to Reduce Time and Cost in Clinical Trials—Faster, Better, Cheaper
9. Improved Patient Care In Hospitals That Do Research. NPO International TRI Network 1<sup>st</sup> Annual Public Forum on Clinical Research. Yokohama, Japan. December 15, 2005.
  10. The Experience of Multinational Study (Japan/US). The Second Multitrack Workshop in Japan. DIA Congress on Moving Toward a New Era in New Drug Evaluation. Drug Information Association, Japan. Tokyo Conference Center, Shinagawa, Tokyo, Japan. April 13, 2006.
  11. The Duke Clinical Research Institute (DCRI) and the US/Japan Harmonization by Doing (HBD) Initiative. University of Tokyo, Clinical Research Conference. University of Tokyo, Tokyo, Japan. April 21, 2006.
  12. Harmonization by Doing (HBD) and the Infrastructure for Clinical Research. Integrative Celerity Research to Deliver Better Treatment Options Critical Path and Roadmap for Clinical Evaluation of Medical Devices. 20th Annual Meeting of the Japanese Coronary Association. Tokyo, Japan. December 9, 2006.
  13. The Duke Clinical Research Institute (DCRI)—Clinical Research Across the Spectrum of Acute Coronary Syndromes. Special Lecture. National Cardiovascular Center, Osaka, Japan. December 11, 2006.
  14. Improved Patient Care Through Clinical Research. NPO International TRI Network 2nd Annual Public Forum on Clinical Research. Yokohama, Japan. December 15, 2006.
  15. Drug Eluting Stent Thrombosis—Data from Randomized Trials and Registries. Special Session on DES Thrombosis. NPO International TRI Network 2nd Annual Public Forum on Clinical Research. Yokohama, Japan. December 15, 2006.
  16. Program Co-Director. Duke-Abbott English Paper Writing Program. Special Session Great Wall Congress 2007. Beijing, China. October 13-14, 2007.
  17. Current Status and Future Perspective of Antiplatelet Therapy in the Management of Coronary Artery Disease. Japan Circulation Society 2009. Osaka, Japan. March 22, 2009.
  18. Antiplatelet Therapy in Acute Coronary Syndromes in 2009: Moving Beyond Aspirin and Clopidogrel. Japan Circulation Society 2009. Osaka, Japan. March 21, 2009.
  19. Japan Circulation Society Global Approach for Challenging Against Cardiovascular Risk—Cardiovascular Care and Research Priorities: A North American Perspective. Japan Circulation Society 2009. Osaka, Japan. March 21, 2009.
  20. Thrombosis in Atrial Fibrillation. International Symposium on Thrombosis and Anticoagulation 2009. Sao Paulo, Brazil. October 22, 2009.
  21. Globalization of Clinical Research. International Symposium on Thrombosis and Anticoagulation 2009. Sao Paulo, Brazil. October 22, 2009.
  22. Biomarkers of Thrombosis. International Symposium on Thrombosis and Anticoagulation 2009. Sao Paulo, Brazil. October 22, 2009.
  23. Relative Importance of Stroke versus Bleeding Risks in Patients with Atrial Fibrillation. International Symposium on Thrombosis and Anticoagulation 2010. Sao Paulo, Brazil. October 15, 2010.
  24. Anti-thrombotic Therapy: Proximal versus Distal Targets in Acute and Convalescent ACS. New Concepts in Acute Coronary Syndromes: Beyond 2000 (XVI). Montreal, Canada. October 24, 2010.

25. Thromboembolism Prophylaxis in Atrial Fibrillation: Past, Present, and Future. Japan Heart Rhythm Society 2011. Fukuoka, Japan. September 21, 2011.
26. Apixaban versus Warfarin in Patients with Atrial Fibrillation: Results of the ARISTOTLE Trial. New Trends of Antithrombotic Therapy. Asia Pacific Heart Rhythm Society 2011. Fukuoka, Japan. September 21, 2011.
27. Development of New Oral Anticoagulants in Patients with Atrial Fibrillation and Acute Coronary Syndromes: Lessons Learned. Keynote Lecture: Update Treatment in Clotting and Fibrinolytic System Session. Japanese Circulation Society 2012. Fukuoka, Japan. March 16, 2012.
28. Antithrombotic Therapy Post-ACS: Where are we and where are we going? Sponsored Program. Japanese Circulation Society 2012. Fukuoka, Japan. March 17, 2012.
29. Academic Physician Involvement in New Drug Development: Lessons from ARISTOTLE. CCRC 10<sup>th</sup> Anniversary and CFMRC Inauguration Symposium. Chiba University. Chiba, Japan. March 19, 2012.
30. Antithrombotic Therapy Post-Acute Coronary Syndrome. Update on Antithrombotic Therapy in ACS and AF—Duke Symposium. XXVII Congresso Centroamericano y El Caribe de Cardiología. Panama City, Panama. June 8, 2012.
31. Risk Scores in Clinical Practice: Are they Useful? Update on Antithrombotic Therapy in ACS and AF—Duke Symposium. XXVII Congresso Centroamericano y El Caribe de Cardiología. Panama City, Panama. June 8, 2012.
32. Oral Anti-Factor Xa Agents: A New Opportunity. Update on Antithrombotics in Acute Coronary Syndromes. European Society of Cardiology Congress, Munich, Germany. August 28, 2012.
33. Cerebrovascular Stroke and Bleeding in Anticoagulated Patients with Atrial Fibrillation: Predictors and Consequences. New Frontiers in the Diagnosis and Treatment of Atrial Fibrillation and Acute Coronary Syndrome, Brazilian Society of Cardiology Meetings. Recife, Brazil. September 14, 2012.
34. Interpreting the Results of the Clinical Trials: ATLAS 2 and APPRAISE 2. New Frontiers in the Diagnosis and Treatment of Atrial Fibrillation and Acute Coronary Syndrome. Brazilian Society of Cardiology Meetings. Recife, Brazil. September 15, 2012.
35. Lessons Learned and Special Populations from Recent AF Trials: Gaps and what is known. Pfizer Symposium—Anticoagulation in Atrial Fibrillation. Brazilian Society of Cardiology Meetings. Recife, Brazil. September 15, 2012.
36. Dabigatran is the First Option! Anticoagulation in the Treatment of Atrial Fibrillation. Debate—New Antiplatelet and Anticoagulant Agents for the Treatment of Acute Coronary Syndrome and Atrial Fibrillation. Brazilian Society of Cardiology Meetings. Recife, Brazil. September 15, 2012.
37. Apixaban in AVERROES and ARISTOTLE. Stroke Prevention in Atrial Fibrillation: Novel Anti-Coagulants and LAA Closure Device. Asia Pacific Heart Rhythm Society Meetings. Taipei, Taiwan. October 4, 2012.
38. ARISTOTLE: A Major Win over Warfarin in Stroke Prevention in Atrial Fibrillation. Asia Pacific Heart Rhythm Society Meetings. Taipei, Taiwan. October 5, 2012.

39. SPAF in Western and Asian populations: Similarities, Differences and Clinical Implications. BMS/Pfizer Symposium. Asia Pacific Heart Rhythm Society Meetings. Taipei, Taiwan. October 5, 2012.
40. Improving Clinical Trials in the US and Japan: Past, Present, and Future. 1st DIA Clinical Operations and Monitoring Workshop. Tokyo, Japan. January 25, 2013.
41. The Structure and Development of an Academic Research Organization. Chiba University, Chiba, Japan. March 15, 2013.
42. Apixaban for Stroke Prevention in Patients with Atrial Fibrillation: Lessons from ARISTOTLE and AVERROES. The New Oral Anticoagulants in AF: Meet the Trialists. Japan Circulation Society Meeting 2013. Yokohama, Japan. March 16, 2013.
43. Apixaban for Stroke Prevention in Patients with Atrial Fibrillation: Lessons from ARISTOTLE and AVERROES. Sponsored Luncheon Seminar. Japan Circulation Society Meeting 2013. Yokohama, Japan. March 16, 2013.
44. Principles of Phase 1 Studies—New Oral Anticoagulant Study Design and Rationale. Sino-America Clinical research Communication—SMART Project. Shanghai, China. May 23, 2013.
45. Principles of Phase 2 Studies – New Oral Anticoagulant Study Design and Rationale. Sino-America Clinical research Communication—SMART Project. Shanghai, China. May 23, 2013.
46. Is there a Role for Aspirin for Primary Prevention? Brazilian Society of Cardiology and Duke University Symposium. 68th Brazilian Congress of Cardiology. Rio de Janeiro, Brazil. September 29, 2013.
47. Atrial Fibrillation and Acute Coronary Syndromes: A Challenge in Clinical Practice. VI International Symposium of Thrombosis and Anticoagulation (ISTA) 2013. Porto Alegre, Brazil. October 31, 2013.
48. The Atrial Fibrillation Patient with Coronary Artery Disease. Novel Oral Xa Inhibitors in Cardiology—Today and Tomorrow. EuroPCR 2014. Paris, France. May 23, 2014.
49. Experience from Cardiovascular Trials. Center for Drug Evaluation Regulatory Workshop on Ethnicity and CVD—Consequences for Generalizing Study Results. Beijing, China. June 25, 2014.
50. Implications of Regional Difference in Cardiovascular Studies and the Experience in ARISTOTLE and AVERROES. Interpretation of the China Subgroup Results in Apixaban Stroke Prevention Phase 3 Studies. Beijing, China. June 26, 2014.
51. Overcoming the Dilemma of Stroke versus Bleeding in Non-Valvular Atrial Fibrillation: Can We Optimize Patient Care with Oral Factor XA Inhibition. Refining treatment in atrial fibrillation: the coronary artery disease patient. Satellite Symposium, European Society of Cardiology Congress. Barcelona, Spain. August 31, 2014.
52. The Thrombosis versus Bleeding Risk Dilemma: Practical Considerations with Oral Factor XA Inhibition. Everyday clinical challenges in non-valvular atrial fibrillation and venous

- thromboembolism: your questions answered—Experts on the Spot. European Society of Cardiology Congress, Satellite Symposium. Barcelona, Spain. September 1, 2014.
53. Innovations in the Care of the Patients with Atrial Fibrillation—ESC and the American Heart Association. What have we learned about novel anticoagulants in AF? European Society of Cardiology Congress. Barcelona, Spain. September 2, 2014.
  54. What Have We Learned About Thromboembolism Prophylaxis in Patients with Atrial Fibrillation? Grand Rounds, Gold Coast University Hospital. Southport, Australia. February 5, 2015.
  55. What Have We Learned About Thromboembolism Prophylaxis in Patients with Atrial Fibrillation? Grand Rounds, Westmead Hospital. Westmead, Australia. February 6, 2014.
  56. The Value of Collaboration in Clinical Research. For Enhancement of Industry-Government-Academia Collaboration in Japan. DIA Japan. Tokyo, Japan. November 12, 2015.
  57. Thromboembolism Prophylaxis in Patients with Atrial Fibrillation in the Age of NOACs. Grand Rounds, National Heart Institute. Cairo, Egypt. May 9, 2016.
  58. Thromboembolism Prophylaxis in Patients with Atrial Fibrillation in the Age of NOACs. Grand Rounds, Erfan Hospital. Jeddah, Saudi Arabia. May 10, 2016. National Heart Institute. Cairo, Egypt. May 9, 2016.
  59. Thromboembolism Prophylaxis in Patients with Atrial Fibrillation in the Age of NOACs. Grand Rounds, King Abdulaziz University Hospital. Jeddah, Saudi Arabia. May 10, 2016.
  60. Thromboembolism Prophylaxis in Patients with Atrial Fibrillation in the Age of NOACs. Grand Rounds, Holiday Inn Al Qasr Hotel Riyadh. Riyadh, Saudi Arabia. May 10, 2016.
  61. Thromboembolism Prophylaxis in Patients with Atrial Fibrillation in the Age of NOACs. Grand Rounds, King Fahd Medical City Hospital. Riyadh, Saudi Arabia. May 11, 2016.
  62. Thromboembolism Prophylaxis in Patients with Atrial Fibrillation in the Age of NOACs. Grand Rounds, Security Forces Hospital. Riyadh, Saudi Arabia. May 11, 2016.
  63. Thromboembolism Prophylaxis in Patients with Atrial Fibrillation in the Age of NOACs. Grand Rounds, Al Qassimi Hospital. Dubai, United Arab Emirates. May 12, 2016.
  64. Thromboembolism Prophylaxis in Patients with Atrial Fibrillation in the Age of NOACs. Grand Rounds, Dusit Thani Hospital. Abu Dhabi, United Arab Emirates. May 12, 2016.
  65. Clinical Trials Are the Answer: What's the Question? Pfizer Clinical Trials Learning Series - Understanding Clinical Trials. Dubai, United Arab Emirates. May 13, 2016.
  66. Streamlining Clinical Trials: The Practicalities. Program Chair. Society for Clinical Trials Annual Meeting. Montreal, Quebec, Canada. May 17, 2016.
  67. Thromboembolism Prophylaxis in Patients with Atrial Fibrillation: The Good News. Anticoagulation: From Mechanisms to Indications and Applications, Symposium. Romanian Society of Cardiology. Sinaia, Romania. September 21, 2016.
  68. Apixaban in Fragile Patients. Apixaban from Theory to Clinical Practice, Symposium. Romanian Society of Cardiology. Sinaia, Romania. September 22, 2016.

69. Dual Antiplatelet Therapy in Patients with Atrial Fibrillation. Modern Approach in the Prevention and Treatment of Atrial Fibrillation. Romanian Society of Cardiology. Sinaia, Romania. September 23, 2016.
70. Diabetes and Pfizer Apixaban Dosing. Brazilian Society of Cardiology. Sao Paulo, Brazil. November 4, 2017.
71. Combined Anticoagulation and Antiplatelet Therapy in Patients with Atrial Fibrillation and Coronary Artery Disease. Bristol Myers Squibb Symposium. Kyoto, Japan. January 22, 2018.
72. Academic Clinical Research Organizations. Chiba University. Chiba, Japan. January 23, 2018.
73. Combined Anticoagulation and Antiplatelet Therapy in Patients with Atrial Fibrillation and Coronary Artery Disease. Bristol Myers Squibb Symposium. Chiba, Japan. January 23, 2018.
74. Global Cardiovascular Clinical Research. Chiba Junior High School. January 24, 2018.
75. Combined Anticoagulation and Antiplatelet Therapy in Patients with Atrial Fibrillation and Coronary Artery Disease. National Cerebral and Cardiovascular Center. Osaka, Japan. January 25, 2018.
76. Dose of Apixaban in Patients with Atrial Fibrillation. Bristol Myers Squibb Symposium. Kyoto, Japan. January 26, 2018.
77. Oral Anticoagulation in Patients with Atrial Fibrillation and Chronic Kidney Disease. Bristol Myers Squibb Symposium. Tokyo, Japan. January 27, 2018.
78. Late-breaking Clinical Trials from ACC.18. Pfizer Brazil Masterclass. Recife, Brazil. May 18, 2018.
79. Pitfalls in Stroke Prevention in Atrial Fibrillation. Pfizer Brazil Masterclass. Recife, Brazil. May 19, 2018.
80. BMS Japan Round Table Discussion. ESC 2018. Munich, Germany. August 27, 2018.

**National:**

1. Myocardial Integrity: Importance and Impact of Eptifibatide. GP IIB-IIIa Inhibitors in Acute Coronary Syndromes: Applying Evidence from Clinical Trials to Medical Practice. American College of Cardiology Scientific Session. New Orleans, LA. March 6, 1999.
2. Length of Stay in Acute Myocardial Infarction. ASSENT-II American Investigators Meeting. Washington, DC. October 1, 1999.
3. Time to Treatment in Acute Myocardial Infarction. ASSENT-II American Investigators Meeting. Washington, DC. October 1, 1999.
4. Glycoprotein IIB/IIIa Blockade: Preserving Myocardium in the Non-ST-elevation Acute Coronary Syndromes. GP IIB-IIIa Inhibitors in Acute Coronary Syndromes: Preserving Myocardium. American Heart Association, Annual Meetings. Atlanta, GA. November 7, 1999.
5. ASSENT-3 Protocol Overview. ASSENT-3 Investigators Meetings. Toronto, Ontario, Canada. March 31, 2000. Chicago, IL. April 15, 2000.
6. Acute Coronary Syndromes: Applying the Evidence. Medical Grand Rounds, Aventura Hospital, Aventura, Florida. September 11, 2000.
7. ASSENT-3. State of the Art Reperfusion in AMI. Boehringer Ingelheim Symposium. Dallas, TX. November 26, 2001.

8. Anti-Platelet and Anti-Thrombin Therapies in Acute Coronary Syndromes: Hitting the Moving Target. Bellin Health, Annual Cardiology Conference. De Pierre, WI. May 16, 2002.
9. Meet the Experts—Best Antithrombotic Therapy for Acute Coronary Ischemic Syndromes. American College of Cardiology Scientific Session. New Orleans, LA. March 9, 2004.
10. Antithrombotic Regimens for Unstable Cardiac Ischemic Syndromes, Emerging Therapies. American College of Cardiology Scientific Session. New Orleans, LA. March 9, 2004.
11. CRUSADE Quality of Care Teleconference. Conference Call Leader. Prince William Hospital, Manassas, VA. September 22, 2004.
12. CRUSADE Quality of Care Teleconference. Conference Call Leader. Presbyterian Hospital, Charlotte, NC. October 12, 2004.
13. CRUSADE Quality of Care Teleconference. Conference Call Leader. University of Arkansas, Little Rock, AK. December 17, 2004.
14. CRUSADE Quality of Care Teleconference. Conference Call Leader. Crozer-Chester Medical Center, Upland, PA. January 6, 2005.
15. Meet the Experts—Aspirin and Clopidogrel Resistance in Acute Coronary Syndromes. American College of Cardiology Scientific Session. Orlando, FL. March 9, 2005.
16. Clinical Research Contracts. Duke Clinical Trials Network (CTN) Best Practices. American Heart Association Scientific Sessions. Dallas, TX. November 12, 2005.
17. Efficacy and Safety of Edifoligide for the Prevention of Vein Graft Failure in 3014 Patients Undergoing Coronary Artery Bypass Surgery: Primary Results of the PREVENT IV Randomized Clinical Trial. ACCEL Interview, February 2006.
18. Dosing in Renal Insufficiency. Antithrombotic Approaches in Acute Coronary Syndromes. American College of Cardiology Scientific Session. Atlanta, GA. March 13, 2006.
19. Direct Factor Xa Inhibitors: The Future of Acute Coronary Syndrome Management. Antithrombotic Therapy in Acute Coronary Syndromes: State of the Art 2007. American College of Cardiology Scientific Session. New Orleans, LA. March 25, 2007.
20. Implementing Clinical Research in Your Practice. American College of Cardiology Scientific Session. New Orleans, LA. March 27, 2007.
21. Cardioprotective Effects of Pyridoxal 5'-Phosphate in Patients Undergoing Coronary Artery Bypass Graft Surgery. Novel Cardioprotective Treatment for Coronary Artery Bypass Graft Surgery Symposium. American Association of Thoracic Surgeons Annual Meeting. Washington, DC. May 7, 2007.
22. The Current State of Antiplatelet Therapy in Acute Coronary Syndromes: The Data and “Real Life.” Platelet Response in Acute Coronary Syndrome CME Symposium. Cleveland, OH. October 18, 2008.
23. Selective Inhibition of Factor Xa in Acute Coronary Syndromes: The APPRAISE and ATLAS Trials. Vascular Biology Working Group Global Chapter Meeting. American Heart Association Scientific Sessions. New Orleans, LA. November 8, 2008.
24. New Anticoagulants in Acute Coronary Syndromes. Anticoagulation Therapy for Cardiovascular Disease: Emerging Treatment Options. Satellite Symposium. American Heart Association Scientific Sessions. New Orleans, LA. November 9, 2008.
25. Challenges of Leveraging Industry, Academic, Government Collaboration: The PREVENT-IV / GENE-MAGIC Story. NIH US Critical Illness and Injury Trials Group Meeting. Bethesda, MD. November 19, 2008.
26. Acute Coronary Syndrome (ACS)—Achieving Effective Secondary Prevention of Thrombosis-Related Events: Factor Xa Inhibition and The Optimal Balance Between Anti-



- Ischemic Efficacy and Bleeding Risk Reduction. Critical Advances in the Science and Medicine of Thromboembolic Disease: A Year 2009 Panvascular Science-to-Strategy Update (Program Co-Chair). Satellite Symposium. International Society of Thrombosis and Hemostasis Meeting. Boston, MA. July 15, 2009.
27. US Clinical Trials Infrastructure. Japan-US Harmonization by Doing (HBD) West 2009 Meeting—Revisiting the HBD Mission: Past, Present, Future. Washington, DC. July 16, 2009.
  28. Phase III Clinical Trial Designs: What are the strengths and weaknesses of various phase III trial designs? Describe and evaluate trial designs that have been used including ‘large simple trials’ and practical clinical trials. National Heart, Lung, and Blood Institute—Workshop: Acute Lung Injury Clinical Research: Beyond Mortality? Bethesda, MD. August 6, 2009.
  29. Thrombosis: Describing the Clinical Link between the Coagulation Cascade and Platelet Function (Roundtable Video Conference Chair). State of the Art Anticoagulation in Atrial Fibrillation and Acute Coronary Syndromes (Program Moderator). WebMD. Orlando, FL. November 14, 2009.
  30. Classifying Bleeding: Which Scale Should be Used and Why? American College of Cardiology Scientific Session. Atlanta, GA. March 15, 2010.
  31. Controlled Anticoagulation During PCI: The Fine Balance of Ischemia and Bleeding. Current and Future Uses of Aptamers in Coronary Syndromes: Looking Beyond the RADAR. Program Chair. Transcatheter Cardiovascular Therapeutics (TCT) Meeting. Washington, DC. September 23, 2010.
  32. Japan Harmonization by Doing (HBD) (Working Group 3) Update: US / Japan Clinical Trial Infrastructure. AdvaMed 2010. Washington, DC. October 18, 2010.
  33. Applying Risk-Based Monitoring Approaches: An Academic Perspective. Clinical Trials Transformation Initiative (CTTI) Steering Committee Meeting. Washington, DC. November 3, 2011.
  34. Early Career: Opening the Door to Successful Careers in Clinical Practice and Clinical Research (Moderator). American Heart Association Scientific Sessions. Orlando, FL. November 12, 2011.
  35. Appraising the Role of Oral Anticoagulation in the Secondary Prevention of ACS: Initial Experiences. Evaluating Recent Clinical Trials Data in the Secondary Prevention of ACS. Sponsored Symposium. American College of Cardiology Scientific Session. Chicago, IL. March 24, 2012.
  36. Future Requirements: How to Implement the Current Guidelines into Practice. Quality Risk Management in Clinical Drug Development Workshop: Fundamentals and Practical Aspects. Drug Information Association. Philadelphia, PA. December 4, 2012.
  37. Strategies for Risk-Based Monitoring, Discussant: A US Academic Perspective. Society for Clinical Trials. Boston, MA. May 20, 2013.
  38. Prevention of Stroke in Patients with Non-Valvular Atrial Fibrillation. Progress in the Treatment of Cardiovascular Diseases: 2013—10th Annual Barnabas Health Cardiovascular Symposium. Long Branch New Jersey. September 21, 2013.
  39. Novel Targets and Agents for Anticoagulation in NSTEMI-ACS: Pharmacological Strategies to Improve Outcomes in NSTEMI-ACS. American College of Cardiology Meetings. Washington, DC. March 29, 2014.
  40. Importance of Clinical Research and the Role of the Academic Investigator. ACC-PPD Investigator Training. American College of Cardiology Heart House. Washington, DC. May 3, 2014.

41. Quality Risk Assessment and Quality by Design—Principles not Jargon. Quality by Design: From Theory to Practice. Drug Information Association Annual Meeting, Preconference Tutorial. San Diego, CA. June 15, 2014.
42. Putting QbD into Practice-Lessons from Real World Example in a Contemporary Cardiovascular Mega-trial. Quality by Design: From Theory to Practice. DIA Annual Meeting, Preconference Tutorial. San Diego, CA. June 15, 2014.
43. Moderator, Samuel A. Levine Young Clinical Investigators Award Finalists. American Heart Association. Orlando, FL. November 7, 2015.
44. State-of-the-art Oral Anticoagulation in Atrial Fibrillation – Findings from ARISTOTLE and the Rationale for AUGUSTUS. Meet the Expert. American Heart Association Meetings. Orlando, FL. November 9, 2015.
45. Pfizer NOACs Meeting – “Are All NOACs the Same?” American College of Cardiology. Chicago, IL. April 2, 2016.
46. Levosimendan in Patients with Left Ventricular Systolic Dysfunction Undergoing Cardiac Surgery with Cardiopulmonary Bypass: Primary Results of the LEVO-CTS Trial. Late Breaking Clinical Trials: Joint ACC/NEJM. American College of Cardiology. Washington, DC. March 19, 2017.
47. Levosimendan in Patients with Left Ventricular Systolic Dysfunction Undergoing Cardiac Surgery with Cardiopulmonary Bypass: Late Breaking Clinical Trials: Deep Dive II. American College of Cardiology. Washington, DC. March 19, 2017.
48. Combination OAC and Antiplatelet Therapy in Patients with AF and CAD. Meet the Expert at AHA Convention. November 11, 2018.

**Local:**

1. Lidocaine in Acute Myocardial Infarction: Prophylaxis or Poison? Cardiology Grand Rounds, Duke University Medical Center, Durham, NC. June 16, 1997.
2. Myocardial Infarction: A Clinical Research Perspective or When is a Myocardial Infarction a Myocardial Infarction? Cardiology Research Conference. Searle Center, Duke University Medical Center, Durham, NC. June 16, 1999.
3. Acute Coronary Syndromes. Duke Internal Medicine Board Review Course. Durham, NC. June 2001.
4. Research Ethics: Informed Consent in Vulnerable Populations. Bristol-Myers Squibb Research Training Program. Durham, NC. July 9, 2001.
5. Research Ethics: Informed Consent in Vulnerable Populations. Cardiology Grand Rounds, Duke University Medical Center, Durham, NC. August 27, 2001.
6. Transitioning to a Clinical Trials Network—The Society of Thoracic Surgery (STS) Experience. Duke Clinical Research Institute Research Conference, Durham, NC. June 18, 2002.
7. Development of a Direct Factor X Inhibitor: From Bench to Bedside. Cardiology Research Conference. Searle Center, Duke University Medical Center, Durham, NC. June 19, 2002.
8. Post-Operative Cardiovascular Complications. Surgical Residents Conference. Duke University Medical Center, Durham, NC. October 24, 2002.
9. Adjudication of Outcomes by Clinical Endpoint Committees. Pfizer/Duke University Research Training Program. R. David Thomas Executive Center, Durham, NC. March 11, 2003.
10. DSMB Activism: What Can We Learn From The ASSENT-3 Plus Trial. Duke Clinical Research Institute Research Conference, Durham, NC. July 8, 2003.

11. Issues with Endpoints. Electrophysiology Research Conference, Duke University Medical Center, Durham, NC. October 8, 2003.
12. Factor Xa Inhibition in Acute Coronary Syndromes. Cath Lab Conference, Duke University Medical Center, Durham, NC. April 16, 2004.
13. XaNADU-ACS Trial Results. Duke Clinical Research Institute Symposium, Durham, NC. November 30, 2004.
14. The PREVENT IV Trial—Main Results and Lessons for the Duke Clinical Research Institute From A Large Multicenter Trial in Cardiac Surgery. Duke Clinical Research Institute Research Conference, Durham, NC. August 16, 2005.
15. Vein Graft Failure and Clinical Outcomes Following Coronary Artery Bypass Surgery—Lessons from the PREVENT IV trial. Cath Lab Conference, Duke University Medical Center, Durham, NC. February 3, 2006.
16. Improving Vein Graft Patency and Outcomes Following Coronary Artery Bypass Surgery. E2F decoy technology and the PREVENT IV Trial. Cardiovascular Medicine Research Conference. Searle Center, Duke University Medical Center, Durham, NC. February 15, 2006.
17. Duke Clinical Research Site Initiatives—Opportunities, Challenges and State of the Union. Duke Clinical Research Institute Research Conference, Durham, NC. May 9, 2006.
18. Management of Acute Coronary Syndromes in the “Real World”. Daiichi Sankyo Educational Symposium. Duke Clinical Research Institute, Durham, NC. June 27, 2006.
19. Drug-Antidote Pairs as Anticoagulant Systems: The Regado Factor IX Development Program. Duke Clinical Research Institute Research Conference, Durham, NC. January 9, 2007.
20. Management of Acute Coronary Syndromes in the “Real World.” Daiichi Sankyo Educational Symposium. Duke Clinical Research Institute, Durham, NC. February 20, 2007.
21. Duke Cardiovascular Fellows Conference. Clinical Research and Human Subjects. Duke University Medical Center, Durham, NC. February 19, 2007.
22. Weekly Interventional Cardiology (ICC) Conference. State of Site-Based Research at Duke. Duke University Medical Center, Durham, NC. September 24, 2007.
23. TRIUMPH: A Randomized Clinical Trial Experience in Cardiogenic Shock. Duke Clinical Research Institute Research Conference, Durham, NC. January 15, 2008.
24. CT Surgery Clinical Trials Network—Mitral Regurgitation Trials. Cardiology / Cardiothoracic Surgery Case Management Conference. Duke University Medical Center, Durham, NC. September 5, 2008.
25. Antithrombotic Strategies in Medically Managed ST-Segment Elevation Myocardial Infarction Patients. Antithrombotics in ACS: a Virtual Series (theheart.org), Durham, NC. October 9, 2008.
26. Long-Term Antithrombotic Therapy after Acute Coronary Syndromes: Walking on a Tightrope. Duke Cardiology Grand Rounds, Duke University Medical Center, Durham NC. November 24, 2008.
27. PREVENT-IV: A 2002 to 2009 Update and Scary Observational Findings from a Randomized Trial. Duke Clinical Research Institute Research Conference, Durham, NC. June 30, 2009.
28. Developing a New Oral Anticoagulant Post-Acute Coronary Syndromes: Getting from Here to There. Duke Cardiovascular Symposium. Durham, NC. May 24, 2010.
29. Latest Developments in the Management of ACS: From Hospital Care to Long-Term Follow-up. Duke Clinical Medicine Series. Asheville, NC. July 22, 2010.
30. American Heart Association Highlights. Duke Cardiology Grand Rounds, Duke University Medical Center, Durham NC. November 23, 2010.

31. Clinical Trials Are the Answer: What is the Question? Symposium for Research Administrators, Duke University Medical Center, Durham NC. May 11, 2011.
32. Atrial Fibrillation: Achieving Safer Anticoagulation. Duke Clinical Medicine Series, Duke University Medical Center. Durham, NC. May 27, 2011.
33. Clinical Trials: What, When, Where, Who, Why, & How. Duke Clinical Research Institute Fellows Conference, Duke University Medical Center, Durham, NC. March 12, 2012.
34. NCBI Emerging Companies Clinical Trials Panel. Novel Clinical Trial Options – Engaging Academia and Regulators. Durham, NC. May 1, 2013.
35. Authorship Challenges in Multicenter Clinical Trials. Duke Clinical Research Institute Fellows Conference, Duke University Medical Center. Durham, NC. May 6, 2013.
36. The Heart Team in the FFR ERA: Next Steps through the Cardiothoracic Surgery Clinical Trials Network. Duke Cardiology Grand Rounds, Durham, NC. October 1, 2013.
37. Working with Industry and Conflicts of Interest. Duke Clinical Research Institute Fellows Conference. Duke Medicine, Durham, NC. January 26, 2015.
38. American College of Cardiology 2015—Download at Duke. Duke Cardiology Grand Rounds, Durham, NC. April 14, 2015.
39. National Institutes of Health Cardiothoracic Surgical Trials Network (CTSN)—5 Years and the Future. Duke Surgery Grand Rounds, Durham, NC. April 15, 2015.
40. Actively Reversible Anticoagulation: From Duke Medicine Bench and Almost to the Bedside. Duke Clinical Research Institute Research Conference, Durham, NC. May 26, 2015.
41. Working with Industry and Conflicts of Interest. Duke Clinical Research Institute Fellows Conference. Duke Medicine, Durham, NC. February 1, 2016.
42. Update on the Cardiothoracic Surgical Trials Network (CTSN). Duke Cardiology Grand Rounds, Durham, NC. August 23, 2016.
43. LEVO-CTS “The Good, The Bad, and The Ugly”. DCRI Research Forum. Duke Health, Durham NC, November 28, 2017.

**Areas of research interest:**

Clinical trials methodology  
Clinical research in Japan  
Acute coronary syndromes  
Chronic coronary artery disease  
Cardiovascular surgery  
Atrial fibrillation  
Antithrombotic agents  
Research ethics

**Areas of clinical expertise and activities:**

General non-invasive cardiology, critical care cardiology, valvular heart disease, echocardiography  
Duke Cardiac Care Unit Attending (4 weeks / year)  
Duke Echocardiography Laboratory (one day per week)  
General Cardiology Clinic (one half-day per week)

**Personal information:**

Faculty members' preferred familiar name:	John Alexander
Local home address:	202 Pitch Pine Lane Chapel Hill, NC 27514
Local home phone:	(919) 932-6053
Marital status:	Married with children
Name of spouse:	Karen P. Alexander, M.D.
Name of children:	Emily P. Alexander (September 15, 1997) Benjamin H. Alexander (June 20, 2001) Megan E. Alexander (May 10, 2006)