ALLISON L. CIRINO

36 First Avenue, Boston MA 02129; 617-726-1734; acirino@mghihp.edu

EDUCATION:

2003 Northwestern University, Chicago, IL
- MS, Genetic Counseling
- Thesis: Assessing the attitudes and understanding of participants in Nugene: Impacts on informed consent

1999 James Madison University, Harrisonburg, VA
- BS, Biology with Psychology Minor
- Graduated cum laude

ACADEMIC APPOINTMENT:
Associate Professor, MGH Institute of Health Professions, Boston, MA

CERTIFICATION:
2005 Certified Genetic Counselor (CGC), American Board of Genetic Counseling
2015 Recertification, Certified Genetic Counselor (CGC), American Board of Genetic Counseling

LICENSE:
Genetic Counselor, Commonwealth of Massachusetts

PROFESSIONAL POSITIONS:

2019-present MGH Institute of Health Professions Boston, MA

Director of Student Research, M.S. in Genetic Counseling Program
- Course instructor for research/capstone course (4 courses per year)
- Oversee capstone project development
- Chair, Research Oversight Committee (ROC)
- Accreditation Standards Committee, member
- Admissions Committee, member

2004-present **Brigham and Women's Hospital** Boston, MA

Genetic Counselor/Program Manager for Cardiovascular Genetics Center
- Provide genetic counseling to patients and families with inherited cardiovascular disorders.
- Manage several cardiovascular genetics research projects.
- Supervise research assistants
- Developed website and database content and created patient education materials
- Co-planned patient education seminars for patients and families with inherited cardiac disease and Introduction to genetic counseling career days for prospective genetic counselors

2003-2004 Massachusetts General Hospital Boston, MA

Genetic Counselor for the Center for Neurofibromatosis and Allied Disorders
- Coordinated research projects on Neurofibromatosis.
- Interacted with patient advocacy groups and created informational brochure.

1999-2001 Massachusetts General Hospital Boston, MA

Research Technician, Genomics Core Facility, Molecular Neurogenetics Unit

- Provided sequencing and genotyping services for various neurogenetic research projects.
- Responsible for daily work flow and project management
- Trained three subsequent employees.

TEACHING EXPERIENCE:

MGH Institute of Health Professions 2019-present

- Responsible for the development and execution of 4 Capstone research courses
- Guest lecturer for Pediatric & Adult Genetic Counseling course

Brandeis University Genetic Counseling Program 2005-2008

- Case-based discussion leader for Clinical Genetics I and II courses

Boston University Genetic Counseling Program 2005- 2019

- Clinical supervisor
- Guest lecturer 2005-2019
- Co-coordinator of Research Seminar Series
- Executive Capstone Committee Member 2007-2018
- Student Capstone Committee Member, 2006-2019

Harvard Partners Center for Genetic and Genomics

- "Explore Genetics"- Facilitated small group discussion about Hypertrophic Cardiomyopathy with high school students, 2008

HONORS AND AWARDS

- Named Fellow of the American Heart Association (FAHA) 2020
- Mass General Brigham Pillars of Excellence Award 2022

INVITED PRESENTATIONS:

- "Genetic testing for Hypertrophic Cardiomyopathy"- Harvard Partners Center for Genetics and Genomics Town Hall Meeting 2008 Cambridge, MA
- "Cardiovascular Genetics"' -Brigham and Women's Hospital ICD Support Group 2008 Boston, MA
- "Genetics of HCM" -Brigham and Women's Hospital Living with HCM patient symposium 2008 Boston, MA
- "Is Genetic Testing necessary for Clinical Management of the Patient with an Inherited Arrhythmic Disorder" - Heart Rhythm Society 30th Annual Scientific Sessions 2009 Boston, MA
- "Genetic counseling and extended family management" -Cardiovascular Genetics in Clinical Practice 2011, 2012 Boston, MA
- "How to get involved with research" -Affairs of the Heart patient symposium 2014 Boston, MA
- "What to do with incidental findings from genetic testing"- American Heart Association Scientific Sessions 2015 Orlando, FL
- "Cardiovascular genetic testing: Where are we now and where are we headed?"- Brigham and Women's Hospital Clinical Cardiology Conference 2016 Boston, MA
- "The Negative Exome: The Counselor and patient conundrum, when the most comprehensive genetic test is negative" – National Society of Genetic Counselors 35th Annual Education Conference 2016 Seattle, WA
- "Penetrance and disease expression"- American Heart Association Scientific Sessions 2016 New Orleans, LA
- "Inside Pandora's Box: Implications of Secondary Findings for Cardiology and Oncology Clinical Practice"- National Society of Genetic Counselors 36th Annual Conference 2017 Columbus, OH
- "Genetic testing for inherited cardiomyopathies"- Children's Cardiomyopathy Foundation Patient Webinar 2017
- "A Practical Approach to Implementing Genetic Testing in Clinic"- American Heart Association Scientific Sessions

2017 Anaheim, CA

- "Keeping Pace with Cardiovascular Genetics: Updates on the Genetics of Cardiovascular Disease"- New England Regional Genetics Group Meeting 2018 Danvers, MA
- "What to do with genetic testing: Non-diagnostic findings case presentation"- American Heart Association Scientific Sessions 2018 Chicago, IL
- "What to do when that familial disease might not be so familial after all: new data on HCM & ARVC and your practice" National Society of Genetic Counselors 37th Annual Conference 2018 Atlanta, GA
- "Genetic Counselors in Research: From Dabbling in Clinic to an NIH Grant" National Society of Genetic Counselors 38th Annual Conference 2019 Salt Lake City, UT
- "Pre-pregnancy Genetic Counseling for Women with Heart Disease or Dyslipidemia" American Heart Association Scientific Sessions 2020 (virtual)
- "Supporting Genetic Counseling Student Research" New England Regional Genetics Group Annual Genetic Counselor Meeting 2021 (virtual)

CONFERENCE ABSTRACTS:

- Cirino AL et al. Measuring the Quality of Informed Consent (QuIC) of Participants in a Population-Based Genetic Database. 2003 National Society of Genetic Counselors Annual Education Conference
- Cirino AL et al. Measuring the Quality of Informed Consent (QuIC) of Participants in a Population-Based Genetic Database. 2003 American Society if Human Genetics Conference
- Lakdawala N, Thune JJ, Cirino AL, Havndrupm O, Bundgaard H, Christiansen M, Carlsen CM, MacRae CA, Colan SD, Køber LV, Ho CY. Electrocardiographic Manifestations of Sarcomere Mutations in Hypertrophic Cardiomyopathy: Incremental Value in the Prediction of Genetic Risk. American Heart Association, Scientific Sessions 2009.
- Lakdawala NK, Thune JJ, Cirino AL, Colan SD, Orav EJ, Farrohi F, Rivero J, McDonough B, Sparks E, Seidman JG, Seidman CE, Ho CY. Contractile Function in Preclinical and Overt Dilated Cardiomyopathy: Identification of the Proximal Effects of DCM-Associated Sarcomere Mutations. American College of Cardiology, Scientific Sessions 2010.
- Hardt J, Gill C, Whalen M, Cirino A. Methods for Developing a New Genetic Counseling Position in a Specialty Clinic. National Society of Genetic Counselors Annual Education Conference 2010
- Baxter SM, Lakdawala N, Cirino AL, Seidman J, Seidman CE, Ho CY, Rehm H, Funke BH. Variants Presenting HCM and DCM patients. Phenotypic Plasticity or Indication for a Benign Role. American College of Clinical Genetics Annual Clinical Genetics Meeting. 2011.
- Doyle N, Cirino A, Trivedi, A, Flynn, M. Exploring Barriers to Payor Utilization of Genetic Counselors. National Society of Genetic Counselors Annual Education Conference 2013
- Beausejour-Ladouceur V, Joyce E, Stevenson LW, Cirino A, Farhad H, MacRae CA, Abrams D, Lakdawala NK. Cutaneous phenotype associated with autosomal dominant arrhythmogenic cardiomyopathy. Heart Rhythm Society, Scientific Sessions 2014.
- Harris S, Cirino A, Day S, Colan S, Canter C, Lever H, Mankowitz K, Margossian R, McNally E, Mestroni L, Murphy A, Sherrid M, Ashley E, Rehm H, Taylor M, Towbin J, Ho C. The Impact of Variant Reclassification of Hypertrophic Cardiomyopathy Research. ACMG Annual Clinical Genetics Meeting 2015. * Selected for the Caroline Mills Lovell Award for highest rated genetic counselor- authored abstract
- Newell K, Cirino A, Ziniel S, Savage S. Genetic Counselors' Current Practices, Challenges and Needs for Support with Clinical Exome and Genome Sequencing. NSGC Annual Education Conference 2015.
- Cirino AL, Lakdawala NK, Adler D, Weinfeld M, O'Gara P, Rehm HL, Green RC, Macrae CA, Seidman CE, Ho CY. Investigating the Utility of Whole Genome Sequencing in Hypertrophic Cardiomyopathy Patients. ACMG Annual Clinical Genetics Meeting 2016.
- Harris S, Cirino A, Tafessu H, Carr C, Greenberg J, Parmar S, Seidman C, Macrae C, Ho C, Lakdawala N. The Influence of Genetic Testing Results on Communication of Genetic Risk in Families with Hypertrophic Cardiomyopathy. ACMG Annual Clinical Genetics Meeting 2016.
- Neumann C, Harris S, Ho C, Lakdawala N, Cirino A. Assessing the Clinical Utility of a Wed-Based Educational Video in Patients with Hypertrophic Cardiomyopathy for the Dissemination of Familial Risk Information and Screening Recommendations. National Society of Genetic Counselors Annual Conference 2016.
- Nguyen T, Krier J, Blout C, Vassy J, Christensen KD, Rehm H, Lebo H, Machini K, Azzariti D, MacRae C, Seidman C, Ho C, Cirino A, Green RC. Genotype-First: Phenotyping Findings from the MedSeq Project. Festival of

Genomics 2017.

- Cuddy S, Kaynor E, Nutakki K, Cirino AL, Ho CY, Lakdawala NK. Left atrial remodeling in hypertrophic cardiomyopathy, contributing factors and associated outcomes. European Society of Cardiology. Annual Scientific Congress. Munich, Germany. 2018
- Garfinkel AC, Cirino AL, Day SM, Ashley EA, Michels M, Colan SD, Jacoby D, Olivotto I, Toepfer CN, Pereira AC, Seidman JG, Seidman CE, Ho CY. Reclassifying Hypertrophic Cardiomyopathy Variants of Unknown Significance based on Structural Determinants Improves Risk Stratification. American Heart Association Scientific Sessions 2018.
- Corner B, Swenson K, Cirino A. Personal genetic testing for future genetic counselors: Assessing interest in offering personal genetic testing as an educational experience in genetic counseling graduate programs. National Society of Genetic Counselors Annual Conference 2018.
- Means C, Cirino A, Swenson KB, Austin J. "I am a Genetic Counselor": A Qualitative Exploration of Field Leaders' Perceptions of the Title "Genetic Counselor". National Society of Genetic Counselors Annual Conference 2019
- Harris S, Cirino A, Channaoui N, Coggins M, Aragam K, Lindsay M, Natarajan P, Newton-Cheh C, Ellinor P, Lakdawala N, Lubitz S. Clinical Outcomes of Families with Cardiac Variants Identified by a Genotype-First Approach National Society of Genetic Counselors Annual Conference 2020
- Fusco K, Hylind R, Cirino A, Harris S, Abrams D, Lubitz S, Lakdawala N. Cascade Testing for Inherited Cardiac Conditions: Risk Perception and Screening After a Negative Genetic Test Result. National Society of Genetic Counselors Annual Conference 2021
- Falsey E, Cirino A, Snyder E, Steeves M, Lin A. A survey of the approach toward parenthood among individuals with Turner syndrome. National Society of Genetic Counselors Annual Conference 2021
- Wirth M, Fanos J, Cirino A, Parks E. Exploring Genetic Counselors' Experiences and Perspectives on Facilitating Perinatal Loss Support. National Society of Genetic Counselors Annual Conference 2021
- Dellefave-Castillo LM*, Cirino AL*, Callis TE, Esplin ED, Hatchell KE, Johnson B, Morales A, Regalado E, Rojahn S, Vatta M, Nussbaum RL, McNally EM. Combined Cardiomyopathy and Arrhythmia Genetic Testing Identified Clinical Management Implications and Unexpected Results. American Heart Association Scientific Sessions 2021 (*authors contributed equally)
- Kelly MA, Cirino AL, Hansen B, Harris S, Murad AM, Natoli J, Malinowski J, Christian S. Diagnostic validity of genetic testing for hypertrophic cardiomyopathy – A systematic review and meta-analysis. American Heart Association Scientific Sessions 2021

PUBLICATIONS:

- Cirino AL, Ho CY (2006) Genetic testing in cardiac disease: from bench to bedside. Nat Clin Pract Cardiovasc Med. Sep;3(9):462-3.
- Song L, DePalma S, Kharlap M, Zenovich A, Cirino A, Mitchell R, McDonough B, Maron B, Seidman C, Seidman J, Ho C (2006). Novel Locus for Inherited Cardiomyopathy Maps to Chromosome 7. Circulation; 113: 2186-2192.
- Judge DP, Johnson NM, Cirino AL, Ho CY (2007) Heart Failure and Genomics. J Am Coll Cardiol 49(10): 1006.
- Cirino AL, Ho C Familial Hypertrophic Cardiomyopathy Overview In: Pagon RA, Bird TC, Dolan CR, Stephens K, editors. GeneReviews [Internet]. Seattle (WA): University of Washington, Seattle; 1993-.
- Ormond KE, Cirino AL. Chisholm RL, Helenowski IB, Wolf WA. (2009) Assessing the understanding of biobank participants. Am J Med Genet A. 149A(2):188-98.
- Hampel H, Grubs RE, Walton CS, Nguyen E, Breidenbach DH, Nettles S; American Board of Genetic Counseling 2008 Practice Analysis Advisory Committee, Callanan N, Corliss M, Fox S, Hiraki S, Ku L, Neufeld-Kaiser W, Riley B, Taylor J, Weik L. Genetic counseling practice analysis. J Genet Couns. 2009 Jun;18(3):205-16.
- Ho CY, Carlsen C, Thune JJ, Hanvdrup O, Bundgaard H, Farrohi F, Rivero J, Cirino AL, Andersen PS, Christiansen M, Maron BJ, Orav EJ, Kober L (2009) Echocardiographic strain imaging to assess early and late consequences of sarcomere mutations in hypertrophic cardiomyopathy. Circ Cardiovasc Genet. Aug;2(4):314-21
- Lakdawala NK, Dellefave L, Redwood CS, Sparks E, Cirino AL, Depalma S, Colan SD, Funke B, Zimmerman RS, Robinson P, Watkins H, Seidman CE, Seidman JG, McNally EM, Ho CY (2010) Familial dilated cardiomyopathy caused by an alpha-tropomyosin mutation: the distinctive natural history of sarcomeric dilated cardiomyopathy. J Am Coll Cardiol. Jan 26;55(4):320-9

- Zimmerman RS, Cox S, Lakdawala NK, Cirino A, Mancini-DiNardo D, Clark E, Leon A, Duffy E, White E, Baxter S, Alaamery M, Farwell L, Weiss S, Seidman CE, Seidman JG, Ho CY, Rehm HL, Funke BH A novel custom resequencing array for dilated cardiomyopathy. Genet Med. 2010 May;12(5):268-78
- Lakdawala NK, Thune JJ, Maron BJ, Cirino AL, Havndrup O, Bundgaard H, Christiansen M, Carlsen CM, Dorval JF, Kwong RY, Colan SD, Køber LV, Ho CY. Electrocardiographic features of sarcomere mutation carriers with and without clinically overt hypertrophic cardiomyopathy. Am J Cardiol. 2011 Dec 1;108(11):1606-13.
- Ho CY, López B, Coelho-Filho OR, Lakdawala NK, Cirino AL, Jarolim P, Kwong R, González A, Colan SD, Seidman JG, Díez J, Seidman CE. Myocardial fibrosis as an early manifestation of hypertrophic cardiomyopathy N Engl J Med. 2010 Aug 5;363(6):552-63.
- Lakdawala NK, Funke BH, Baxter S, Cirino AL, Roberts AE, Judge DP, Johnson N, Mendelsohn NJ, Morel C, Care M, Chung WK, Jones C, Psychogios A, Duffy E, Rehm HL, White E, Seidman JG, Seidman CE, No CY Genetic testing for dilated cardiomyopathy in clinical practice J Card Fail. 2012 Apr;18(4):296-303
- Herman DS, Lam L, Taylor MR, Wang L, Teekakirikul P, Christodoulou D, Conner L, DePalma SR, McDonough B, Sparks E, Teodorescu DL, Cirino AL, Banner NR, Pennell DJ, Graw S, Merlo M, Di Lenarda A, Sinagra G, Bos JM, Ackerman MJ, Mitchell RN, Murry CE, Lakdawala NK, Ho CY, Barton PJ, Cook SA, Mestroni L, Seidman JG, Seidman CE. Truncations of titin causing dilated cardiomyopathy. N Engl J Med. 2012 Feb 16;366(7):619-28
- Lakdawala NK, Thune JJ, Colan SD, Cirino AL, Farrohi F, Rivero F, McDonough B, Sparks EA, Orav EJ, Seidman JG, Seidman CE, Ho CY. Subtle abnormalities in contractile function are an early manifestation of sarcomere mutations in dilated cardiomyopathy. Circ Cardiovasc Genet. 2012;5:503-510
- Dunn KE, Caleshu C, Cirino AL, Ho CY, Ashley EA. A clinical approach to inherited hypertrophy: the use of family history in diagnosis, risk assessment, and management. Circ Caradiovasc Genet 2013 Feb; 6(1): 118-31.
- Ho CY, Abbasi S, Neilan T, Shah R, Chen Y, Heydari B, Cirino A, Lakdawala N, Orav JE, Gonzalez A, Lopez B, Diez J, Jerosch-Herold M, Kwong R. T1 measurements identify extracellular volume expansion in hypertrophic cardiomyopathy sarcomere mutation carriers with and without left ventricular hypertrophy. Circ Imaging. 2013;6:415-422.
- Valente AM, Lakdawala NK, Powell AJ, Evans SP, Cirino AL, Orav EJ, MacRae CA, Colan SD, Ho CY. Comparison of echocardiographic and cardiac magnetic resonance imaging in hypertrophic cardiomyopathy sarcomere mutation carriers without left ventricular hypertrophy. Circ Cardiovasc Genet. 2013;6;230-237
- Cirino A, Ho CY. Patient Pages: Genetic testing for inherited heart disease. Circulation. 2013;128:e4-e8
- Doyle N, Cirino A, Trivedi A, Flynn M. Exploring barriers to payer utilization of genetic counselors. J Genet Coun. 2015; 24(1):122-133.
- Ho CY, Lakdawala NK, Cirino AL, Lipshultz SE, Sparks E, Abbassi SA, Kwong RY, Antman EM, Semsarian C, Gonzalez A, Lopez B, Diez J, Orav EJ, Colan SD, Seidman CE. Diltiazem treatment for pre-clinical hypertrophic cardiomyopathy sarcomere mutation carriers: a pilot randomized trial to modify disease expression. JACC Heart Fail. 2015 Feb; 3(2):180-8.
- Ho CY, Cirino AL, Lakdawala NK, Groarke J, Valente AM, Semsarian C, Colan SD, Orav EJ. Evolution of hypertrophic cardiomyopathy in sarcomere mutation carriers. Heart 2016 Sep 2
- Ho CY, Day SM, Colan SD, Russell MW, Towbin JA, Sherrid MV, Canter CE, Jefferies JL, Murphy AM, Cirino AL, Abraham TP, Taylor M, Mestroni L, Bluemke DA, Jarolim P, Shi L, Sleeper LA, Seidman CE, Orav EJ; HCMNet Investigators. The Burden of Early Phenotypes and the Influence of Wall Thickness in Hypertrophic Cardiomyopathy Mutation Carriers: Findings From the HCMNet Study. JAMA Cardiol. 2017 Apr 1; 2(4): 419-428.
- Ho CY, McMurray JJV, Cirino AL, Colan SD, Day SM, Desai AS, Lipshultz SE, MacRae CA, Shi L, Solomon SD, Orav EJ, Braunwald E; VANISH trial investigators and executive committee. The Design of the Valsartan for Attenuating Disease Evolution in Early Sarcomeric Hypertrophic Cardiomyopathy (VANISH) Trial. Am Heart J. 2017 May; 187:145-155.
- Cirino AL, Harris S, Lakdawala NK, Michel M, Olivotto I, Day SM, Abrams DJ, Charron P, Caleshu C, Semsarian C, Ingles J, Rakowski H, Judge DP, Ho CY. Role of Genetic Testing in Inherited Cardiovascular Disease: A Review. JAMA Cardiol 2017 Oct 1; 2(10): 1153-1160.
- Furqan A, Arscott P, Girolami F, Cirino AL, Michels M, Day SM, Olivotto I, Ashley E, Green EM, Caleshu C; ShaRe Consortium. Care in Specialized Centers and Data Sharing Increase Agreement in Hypertrophic

Cardiomyopathy Genetic Test Interpretation. Circ Cardiovasc Genet. 2017Cot; 10(5): pii:e001700

- Cirino AL, Lakdawala NK, McDonough B, Conner L, Adler D, Weinfeld M, O'Gara P, Rehm HL, Machini K, Lebo M, Blout C, Green RC, MacRae CA, Seidman CE, Ho CY; MedSeq Project*. A Comparison of Whole Genome Sequencing to Multigene Panel Testing in Hypertrophic Cardiomyopathy Patients. Circ Cardiovasc Genet. 2017 Oct;10(5). pii: e001768.
- Ho JE, Shi L, Day SM, Colan SD, Russell MW, Towbin JA, Sherrid MV, Canter CE, Jeffries JL, Murphy A, Taylor M, Mestroni L, Cirino AL, Sleeper LA, Jarolim P, Lopez B, Gonzalez A, Diez J, Orav EJ, Ho CY. Biomarkers of cardiovascular stress and fibrosis in preclinical hypertrophic cardiomyopathy. Open Heart. 2017 Nov; 4(2):e000615.
- DeFilippis EM, Rehm H, Cirino AL, Lakdawala NK. The Lifespan of Genetic Testing. Am J Med. 2018
- Groarke JD, Galazka PZ, Cirino AL, Lakdawala NK, Thune JJ, Bundgaard H, Roav EJ, Levine RA, Ho CY. Intrinsic mitral valve alterations in hypertrophic cardiomyopathy sarcomere mutation carriers. Eur Heart J Cardiovasc Imaging. 2018 Oct 1: 19(10): 1109-1116.
- Ho CY, Day SM, Ashley EA, Michels M, Pereira AC, Jacoby D, Cirino AL, Fox JC, Lakdawala NK, Ware JS, Caleshu CA, Helms AS, Colan SD, Girolami F, Cecchi F, Seidman CE, Sajeev G, Signorovitch J, Green EM, Olivotto I. Genotype and Lifetime Burden of Disease in Hypertrophic Cardiomyopathy: Insights from the Sarcomeric Human Cardiomyopathy Registry (SHaRe). Circulation. 2018 Oct 2; 138 (14): 1387-1398.
- Cirino AL, Seidman CE, Ho CY. Genetic Testing and Counseling for Hypertrophic Cardiomyopathy. Cardiol Clin. 2019 Feb; 37 (1):35-43. Epub 2018
- Harris S, Cirino AL, Carr CW, et al. The uptake of family screening in hypertrophic cardiomyopathy and an online video intervention to facilitate family communication. Mol Genet Genomic Med. 2019; e940.
- Means C, Cirino A, Swenson KB, Austin J. "I am a Genetic Counselor": A Qualitative Exploration of Field Leaders' Perceptions of the Title "Genetic Counselor". J Genet Coun. 2019 Oct 30. doi: 10.1002/jgc4.1184
- Eberly LA, Day SA, Ashley EA, Jacoby DL, Jeffries JL, Colan SD, Rossano JW, Semsarian C, Pereira AC, Olivotto I, Ingles J, Seidman CE, Channaoui N, Cirino AL, Han L, Ho CY, Lakdawala NK. Association of Race with Disease Expression and Clinical Outcomes Among Patients With Hypertrophic Cardiomyopathy. JAMA Cardiol. 2020; 5(1):1-9
- Axelsson Raja A, Shi L, Day SM, Russell M, Zahka K, Lever H, Colan SD, Margossian R, Hall EK, Becker J, Jefferies JL, Patel AR, Choudhury L, Murphy AM, Canter C, Bach R, Taylor M, Mestroni L, Wheeler MT, Benson L, Owens AT, Rossano J, Lin KY, Pahl E, Pereira AC, Bundgaard H, Lewis GD, Vargas JD, Cirino AL, McMurray JJV, MacRae CA, Solomon SD, Orav EJ, Braunwald E, Ho CY. Baseline Characteristics of the VANISH Cohort. Circ Heart Fail. 2019 Dec; 12 (12):e006231
- Cirino AL, Cuddy S, Lakdawala NK. Deletion of entire LMNA gene as a cause of cardiomyopathy. Heart Rhythm Case Rep. 2020 Mar 27;6(7):395-397.
- Hylind R, Beauséjour-Ladouceur V, Plovanich ME, Helms A, Smith E, Joyce E, Granter S, Stevenson LW, Cirino AL, McDonough BA, Mostaghimi A, Abrams DJ, Lakdawala NK. Cardiocutaneous Features of Autosomal Dominant Desmoplakin-Associated Arrhythmogenic Cardiomyopathy. Circ Genom Precis Med 2020 Nov 15 doi: 10.1161/CIRCGEN.120.003081
- Morales A, Ing A, Antolik C, Austin-Tse C, Baudhuin LM, Bronicki L, Cirino A, Hawley MH, Fietz M, Garcia J, Ho C, Ingles J, Jarinova O, Johnston T, Kelly MA, Kurtz CL, Lebo M, Macaya D, Mahanta L, Maleszewski J, Manrai AK, Murray M, Richard G, Semsarian C, Thomson KL, Winder T, Ware JS, Hershberger RE, Funke BH, Vatta M; ClinGen Cardiovascular Clinical Domain Working Group, Cardiomyopathy Variant Curation Expert Panel. Harmonizing the Collection of Clinical Data on Genetic Testing Requisition Forms to Enhance Variant Interpretation in Hypertrophic Cardiomyopathy (HCM): A Study from the ClinGen Cardiomyopathy Variant Curation Expert Panel. J Mol Diagn. 2021 Feb 22:S1525-1578(21)00042-8. doi: 10.1016/j.jmoldx.2021.01.014. PMID: 33631351.
- Lakdawala NK, Olivotto I, Day SM, Han L, Ashley EA, Michels M, Ingles J, Semsarian C, Jacoby D, Jefferies JL, Colan SD, Pereira AC, Rossano JW, Wittekind S, Ware JS, Saberi S, Helms AS, Cirino AL, Leinwand LA, Seidman CE, Ho CY. Associations Between Female Sex, Sarcomere Variants, and Clinical Outcomes in Hypertrophic Cardiomyopathy. Circ Genom Precis Med. 2021 Feb;14(1):e003062. doi: 10.1161/CIRCGEN.120.003062. Epub

2020 Dec 7.PMID: 33284039

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- Ho CY, Day SM, Axelsson A, Russell MW, Zahka K, Lever HM, Pereira AC, Colan SD, Margossian R, Murphy AM, Canter C, Bach RG, Wheeler MT, Rossano JW, Owens AT, Bundgaard H, Benson L, Mestroni L, Taylor MRG, Patel AR, Wilmot I, Thrush P, Vargas JD, Soslow JH, Becker JR, Seidman CE, Lakdawala NK, Cirino AL; VANISH Investigators, Burns KM, McMurray JJV, MacRae CA, Solomon SD, Orav EJ, Braunwald E. Valsartan in early-stage hypertrophic cardiomyopathy: a randomized phase 2 trial. Nat Med. 2021 Sep 23. doi: 10.1038/s41591-021-01505-4. Online ahead of print.PMID: 34556856
- Rajkovic A, Cirino AL, Berro T, Koeller DR, Zayhowski K. Transgender and gender-diverse (TGD) individuals' perspectives on research seeking genetic variants associated with TGD identities: a qualitative study. J Community Genet. 2021 Oct 12. doi: 10.1007/s12687-021-00554-z. Epub ahead of print. PMID: 34637070.
- Christian S, Cirino A, Hansen B*, et al.* Diagnostic validity and clinical utility of genetic testing for hypertrophic cardiomyopathy: a systematic review and meta-analysis. *Open Heart* 2022;9:e001815. doi: 10.1136/openhrt-2021-001815
- Falsey E, Cirino AL, Snyder E, Steeves M, Lin AE. Parenthood among individuals with Turner syndrome: results of an online survey of attitudes towards pregnancy, adoption, and surrogacy. J Community Genet. 2022 Apr 8. doi: 10.1007/s12687-022-00588-x. Epub ahead of print. PMID: 35391658.

PROFESSIONAL ACTIVITIES:

MGH Institute of Health Professions

- Equity Advocate for Faculty Search Committees 2020-present
- Power, Privilege and Positionality Facilitator 2019-present
- Community Impact Day, site team coordinator 2019
- Child Development Day, IMPACT curriculum, faculty 2019
- "Empowered Bystander Training", sponsored by DEI Council, attendee 2019

National Society of Genetic Counselors

- Full Member 2001-present
- NSGC Research Special Interest Group
    - Member 2003-2004; 2019-present
    - Research SIG Grant Award Committee Member 2020-2021
- NSGC Cardiovascular Special Interest Group
    - Member 2004-present.
    - Cardiovascular SIG Co-chair 2018-2019
    - Cardiovascular SIG Grant Award Committee Member 2010-2012; 2015-2017
    - Cardiovascular SIG Education Working Group Member 2015-present
- Co-developed 2016 NSGC Online course "What the Specialized Genetic Counselor Needs to Know about other Areas of Genomic Medicine
- Nominating Committee 2019
- NSGC Region 1 Education Conference
    - Planning Committee Member 2005-2007
    - Co-Chair- 2006
- NSGC Liaison to the American Heart Association Functional Genomics and Translational Biology Council 2015-present

- NSGC Hypertrophic Cardiomyopathy Systematic Review Author 2016-present
- Represented NSGC at the 2021 American College of Cardiology Advances in Hypertrophic Cardiomyopathy Heart House Roundtable
- NSGC Annual Conference Planning Committee 2004; 2022-2025
- NSGC Abstract Workgroup 2022-2025

American Heart Association

- Professional Member 2015-present
- Genomics and Precisions Medicine Council Leadership Committee member 2015-present
- Professional Education and Publications Committee member 2021-present
- Clinical Genomics Bootcamp panelist 2016-present
- Cardiovascular Genetics Certificate Working Group Member

Partners Human Research Committee

- Voting member (2004 – 2013)

ClinGen

- Member of Inherited Cardiomyopathy Expert Panel

Commonwealth of Massachusetts Board of Registration of Genetic Counselors

- Board Member 2017-present
- Chair 2021- present

Ad-hoc journal reviewer

- Circulation Cardiovascular Genetics
- Journal of Genetic Counseling
- Pacing and Clinical Electrophysiology
- JAMA Cardiology
- European Journal of Medical Genetics
- European Journal of Human Genetics