

CURRICULUM VITAE

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PERSONAL

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EDUCATION

2005 Master of Public Health (Epidemiology) - The University of North Carolina at Chapel Hill, Chapel Hill, North Carolina
1987 Doctor of Philosophy (Biochemistry) - Rush University, Chicago, Illinois
1984 Master of Science (Oral Biology) Northwestern University, Chicago, Illinois
1980 Master of Science (Chemistry) University of Warsaw, Warsaw, Poland

OTHER TRAINING & FELLOWSHIPS

2007-2008 Postdoctoral training, Department of Epidemiology, The Gillings School of Global Public Health, University of North Carolina at Chapel Hill
1987-1990 Postdoctoral training, Dental Research Center, University of North Carolina at Chapel Hill

PROFESSIONAL EXPERIENCE

2010- present Assistant Professor, Department of Epidemiology, University of North Carolina at Chapel Hill, Chapel Hill, NC
2011-present Research Fellow. Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill
2018-present Associate Professor, Department of Epidemiology, University of Kentucky, Lexington, KY

AWARDS AND HONORS

2006-2008 Ruth L. Kirschstein National Research Service Award (NRSA) Postdoctoral Fellowship

1988-1990	Ruth L. Kirschstein National Research Service Award (NRSA) Postdoctoral Fellowship
2003	AJE/SER award for publication by Park SL et al. (AK-N as co-author) which was selected as one of ten 2013 Articles of the Year

BIBLIOGRAPHY:

ARTICLES IN PEER REVIEWED JOURNALS

**Denotes student's work for which AM Kucharska-Newton is/was primary mentor*

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2. Johnson EL, Krauss GL, **Kucharska-Newton A**, Lam AD, Sarkis R, Gottesman RF. Mortality in Patients With Late-Onset Epilepsy: Results From the Atherosclerosis Risk in Communities Study. *Neurology*. 2021 Sep 14;97(11):e1132-e1140. PMID: 34282048
3. SCORE2 risk prediction algorithms: new models to estimate 10-year risk of cardiovascular disease in Europe. SCORE2 working group and ESC Cardiovascular Risk Collaboration *European Heart Journal* (2021) 00, 1–16
4. *Singleton JH, Abner EL, Akpunonu PD, **Kucharska-Newton AM**. Association of Nonacute Opioid Use and Cardiovascular Diseases: A Scoping Review of the Literature. *J Am Heart Assoc*. 2021 Jul 2:e021260. . Online ahead of print.PMID: 34212763
5. Mok Y, Ballew SH, Stacey RB, Rossi J, Koton S, **Kucharska-Newton A**, Chang PP, Coresh J, Rosamond W, Matsushita K.J Albuminuria and Prognosis Among Individuals With Atherosclerotic Cardiovascular Disease: The ARIC Study. *Am Coll Cardiol*. 2021 Jul 6;78(1):87-89. PMID: 34210419 .
6. Moore CR, Jain S, Haas S, Yadav H, Whitsel E, Rosamand W, Heiss G, **Kucharska-Newton AM**. Ascertaining Framingham heart failure phenotype from inpatient electronic health record data using natural language processing: a multicentre Atherosclerosis Risk in Communities (ARIC) validation study. *BMJ Open*. 2021 Jun 14;11(6):e047356. PMID: 34127492
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8. Hou Y, Bushnell CD, Duncan PW, **Kucharska-Newton AM**, Halladay JR, Freburger JK, Trogon JG. Hospital to Home Transition for Patients With Stroke Under Bundled Payments. *Arch Phys Med Rehabil*. 2021 Apr 1. Online ahead of print. PMID: 33811853
9. Mediano MFF, Mok Y, Coresh J, **Kucharska-Newton A**, Palta P, Lakshminarayan K, Rosamond WD, Matsushita K, Koton S. Prestroke Physical Activity and Adverse Health Outcomes After Stroke in the Atherosclerosis Risk in Communities Study. *Stroke*. 2021 Jun;52(6):2086-2095. PMID: 33784831

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93. Hlatky MA, Ray RM, Burwen DR, Margolis KL, Johnson KC, **Kucharska-Newton A**, et al., Use of Medicare Data to Identify Coronary Heart Disease Outcomes In the Women's Health Initiative (WHI) accepted for publication in *Circulation -Quality of Care and Outcomes Research*

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101. **Kucharska-Newton AM**, Harald K, Rosamond WD, Rose K, Rea T, Salomaa V “Low socioeconomic status and the risk of sudden cardiac death – a comparative analysis of the Atherosclerosis Risk in Communities (ARIC) Study and the National FINRISK Study” *Annals of Epidemiology* 2011;21(8):572-579
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103. **Kucharska-Newton AM**, Monda KL, Bielinski S, Boerwinkle E, Rea T, Rosamond WD, Pankow J, Kottgen A, Heiss G, North KE “Role of BMI in the association of the TCF7L2 gene variant with coronary heart disease, the Atherosclerosis Risk in Communities (ARIC) study” *Journal of Obesity Epub* 2010 Feb 22.

104. **Kucharska-Newton AM**, Rosamond WD, Prineas T, Couper D, Rea T, Folsom AR, Siscovick D, Sotoodehnia N, Chakravarti A “Diabetes and sudden cardiac death, the Atherosclerosis Risk in Communities (ARIC) study” *Acta Diabetol.* 2010; 47(Suppl 1):161-8.
105. **Kucharska-Newton AM**, Rosamond WD, Prineas T, Couper D, Rea T, Folsom AR, Siscovick D, Sotoodehnia N, Chakravarti A “Hemostasis, inflammation and the risk of fatal and non-fatal coronary heart disease; long-term follow-up of the Atherosclerosis Risk in Communities (ARIC) cohort” *Arterioscler Thromb Vasc Biol.* 2009;29(12):2182-90.
106. **Kucharska-Newton AM**, Rosamond WD, Mink PJ, Shahar E, Alberg A, Folsom AR “HDL-cholesterol and the incidence of breast cancer in the ARIC cohort study” *Ann Epidemiol.* 2008; (9):671-7.
107. **Kucharska-Newton AM**, Rosamond WD, Schroeder JC, McNeill AM, Coresh J, Folsom AR “HDL-Cholesterol and the incidence of lung cancer in the Atherosclerosis Risk in Communities (ARIC) study” *Lung Cancer.* 2008;61(3):292-300.
108. **Kucharska AM**, Kuettner KE, Kimura JH “Biochemical characterization of long-term culture of the Swarm rat chondrosarcoma chondrocytes in agarose” 1990 *J. Orthop. Res.* 8(6):781-792

NATIONAL PRESENTATIONS:

**Denotes student’s work for which AM Kucharska-Newton was mentor*

*Camplain R, **Kucharska-Newton AM**, Wruck LM, Folsom AR, Wright JD, Shah A, Bertoni A, Heiss G Accuracy of Self-Reported Heart Failure and Confirmed Heart Failure Events. The Atherosclerosis Risk in Communities (ARIC) Study; Moderated poster American Heart Association Epi/Lifestyle conference, March 2016, Phoenix, AZ

Juraschek S, Deyo N, Appel LJ, Miller ER, Windham BG, Pompeii L, Griswold MI, Heiss G, **Kucharska-Newton AM**, Selvin E Orthostatic hypotension and risk of falls in the Atherosclerosis Risk in Communities (ARIC) Study; Moderated poster, American Heart Association Epi/Lifestyle conference, March 2016, Phoenix, AZ

*Petruski-Ivleva N, **Kucharska-Newton AM**, Palta P, Couper D, Steffen L, Sharrett RA, Heiss G Association of habitual milk Intake with Cognitive Decline from Mid-Life to Late-life. The ARIC Study; Poster, American Heart Association Epi/Lifestyle conference, March 2016, Phoenix, AZ

Henderson KH, Kaufman BG, Rotter JS, Stearns SC, Couper D, Sueta CA, **Kucharska-Newton AM**, Foraker RE, Asafu-Adeji J, Patricia P. Chang PP Validation of the Atherosclerotic Cardiovascular Disease (ASCVD) Pooled Cohort Risk Equations by Educational Level: The Atherosclerosis Risk in Communities (ARIC) Study. Presentation at the American College of Cardiology Scientific Sessions, March 2016, Chicago, IL

Kucharska-Newton AM; Chambless L, Camplain R; Cuthbertson, C; Chang P; Agarwal S; Wruck LM; Wright J; Allen N; Shahar E; Bertoni A; Heiss G Outpatient care preceding incident heart failure (HF) and implications for long-term outcomes. The Atherosclerosis Risk in

Communities (ARIC) Study. Oral presentation; American Heart Association Epi/Lifestyle conference, March 2015, Baltimore, MD

*Petruski-Ivleva N, Viera A, Couper D, PhD, Shimbo D, Muntner P, Avery C, Schneider A, **Kucharska-Newton A** Longitudinal patterns of change in systolic blood pressure (SBP) and incidence of cardiovascular disease. The Atherosclerosis Risk in Communities (ARIC) Study. Oral presentation; American Heart Association Epi/Lifestyle conference, March 2015, Baltimore, MD

*Camplain R, **Kucharska-Newton A**, Chambless L, Wright J, Butler K, Cuthbertson C, Heiss¹ G Misclassification of Incident Heart Failure Hospitalizations in Administrative Claims Data: The Atherosclerosis Risk in Communities (ARIC) Study. Moderated poster; the American Heart Association Epi/Lifestyle conference, March 2015, Baltimore, MD

*Cuthbertson CC, **Kucharska-Newton AM**, Camplain RL, Patel P, Foraker RE, Folsom AR, Matsushita K, Wruck L, Puccinelli-Ortega N, Heiss G Associations of socio-economic and access to care factors with inpatient and outpatient heart failure. The Atherosclerosis Risk in Communities (ARIC) Study. Moderated poster; the American Heart Association Epi/Lifestyle conference, March 2015, Baltimore, MD

Kucharska-Newton AM, Avery CL, Chambless L, Chang P, Gerardo Heiss Patterns of healthcare utilization by location of heart failure diagnosis. The Atherosclerosis Risk in Communities (ARIC) Study. Abstract submitted to American Heart Association, 54th Annual Conference on Cardiovascular Disease Epidemiology and Prevention, 2014

Kucharska-Newton AM, Bush M, Stearns SC, Sueta C, Chang PP, Carey T, Wruck L Outpatient care following myocardial infarction in the Atherosclerosis Risk in Communities (ARIC) Study. American Heart Association, 53rd Annual Conference on Cardiovascular Disease Epidemiology and Prevention, 2013 (poster presentation)

*Bush M, Stearns SC, Chang PP, Sueta C, Wruck L, Carey T, **Kucharska-Newton AM** Socioeconomic status and patterns of follow-up care after myocardial infarction the Atherosclerosis Risk in Communities (ARIC) study. American Heart Association, 53rd Annual Conference on Cardiovascular Disease Epidemiology and Prevention, 2013 (poster presentation)

*Kalbaugh CA, Loehr LR, **Kucharska-Newton AM**, Wruck L, Selvin E, Folsom AR, Heiss G. Development of a Risk Prediction Model for Incident Peripheral Artery Disease Hospitalization: The Atherosclerosis Risk in Communities (ARIC) Study. American Heart Association, 53rd Annual Conference on Cardiovascular Disease Epidemiology and Prevention, 2013 (poster presentation)

*Kalbaugh CA, **Kucharska-Newton AM**, Loehr LR, Selvin E, Folsom AR, Chambless LE, Heiss G; “Incidence of Hospitalized Peripheral Arterial Disease and Critical Limb Ischemia: The Atherosclerosis Risk in Communities (ARIC) Study”; American Heart Association, 52nd Annual Conference on Cardiovascular Disease Epidemiology and Prevention, March 2012

Kucharska-Newton AM, O’Brien EC, Bennett P, Rosamond WR “Ischemic stroke and statin prescribing patterns at discharge. The North Carolina Stroke Care Collaborative”; American Heart Association, 52nd Annual Conference on Cardiovascular Disease Epidemiology and Prevention, March 2012

Kucharska-Newton AM, Chang P, Sueta C, Williams J, Mosley T, Blecker , Stearns S “ Anger Proneness Increases the Risk of Heart Failure”; Heart Failure Society of America Annual meeting, 2011 (poster presentation)

Kucharska-Newton AM, Foraker RE, Rose KM, Kalbaugh C, Windham BG, Rosamond, WD “Trajectories of functional status among those with cardiovascular disease. The Atherosclerosis Risk in Communities (ARIC) Study”; The Quality of Care and Outcomes Research in Cardiovascular Disease and Stroke Scientific Sessions, 2011 (poster presentation)

Avery CL, **Kucharska-Newton AM**, Monda KL, Sharrett AR, Mosley TH, Klein BE, Cotch MF, Wong TY, Klein R “Longitudinal Predictors of retinal Microvascular Characteristics”; American Heart Association, Scientific Sessions 2010 (poster presentation)

Kucharska-Newton AM, Monda KL, Campbell S, Wagenknecht L, Boerwinkle E, Wasserman B, Aleksic-Matijevic N, Heiss G “Markers of Platelet Activation and Carotid Artery Plaque Morphology: The Atherosclerosis Risk in Communities (ARIC) Study”; American Heart Association, 50th Annual Conference on Cardiovascular Disease Epidemiology and Prevention, 2010 (poster presentation)

Kucharska-Newton AM, Monda KL, Avery CL, Aleksic-Matijevic N, Folsom AR “Longitudinal predictors of in vivo platelet activation : The Atherosclerosis Risk in Communities (ARIC) Carotid MRI Study” ;American Heart Association, 50th Annual Conference on Cardiovascular Disease Epidemiology and Prevention, 2010 (poster presentation)

Kucharska-Newton AM, Monda KL, Avery CL, Folsom AR, Aleksic-Matijevic N, “Longitudinal Predictors of Levels of in Vivo Platelet Activation Markers: The Atherosclerosis Risk in Communities (ARIC) Carotid MRI Study”; American Heart Association, 50th Annual Conference on Cardiovascular Disease Epidemiology and Prevention, 2010 (poster presentation)

Monda KL, Avery CL, **Kucharska-Newton AM**, Demerath E, Wasserman B, Wagenknecht L, “Longitudinal Predictors of Carotid Artery Plaque Characteristics: The Atherosclerosis Risk in Communities Carotid MRI Study”; American Heart Association, 50th Annual Conference on Cardiovascular Disease Epidemiology and Prevention, 2010 (poster presentation)

Kucharska-Newton AM, Harald K, Rosamond WD, Rose K, Rea TD, Salomaa V “Low socioeconomic status and coronary heart disease events – a comparative analysis of the Atherosclerosis Risk in Communities Study and the National FINRISK Study”; American Heart Association, 49th Annual Conference on Cardiovascular Disease Epidemiology and Prevention, 2009 (poster presentation)

Loehr, LR; **Kucharska-Newton, A M**; Rosamond, WD; McNeill, AM; Bertoni A; Heiss, G “The association of diabetes mellitus with incident heart failure: the Atherosclerosis Risk in Communities (ARIC) Study” 49th Annual Conference on Cardiovascular Disease Epidemiology and Prevention, 2009 (poster presentation)

Harald K, **Kucharska-Newton AM**, Salomaa V “Single Living as a Risk Factor for Sudden Cardiac Death – a Prospective, Population-Based Study” American Heart Association, 49th Annual Conference on Cardiovascular Disease Epidemiology and Prevention, 2009 (poster presentation)

Kucharska-Newton AM, Prineas T, Couper D, Rea T, Folsom AR, Siscovick D, Sotoodehnia N, Chakravarti A, Rosamond WD “Diabetes and sudden cardiac death, the Atherosclerosis Risk in Communities (ARIC) Study” American Heart Association, 48th Annual Conference on

Cardiovascular Disease Epidemiology and Prevention, 2008 (NHLBI Trainee Session oral presentation and Main Session poster presentation)

Kucharska-Newton AM, Prineas T, Couper D, Rea T, Folsom AR, Siscovick D, Sotoodehnia N, Chakravarti A, Rosamond WD “Inflammation and sudden cardiac death, the Atherosclerosis Risk in Communities (ARIC) Study” ;American Heart Association, 48th Annual conference on cardiovascular Disease Epidemiology and Prevention, 2008 (Main Session poster presentation)

Kucharska-Newton AM, Rosamond WD, Schroeder JC, McNeill AM, Coresh J, Folsom AR “HDL-Cholesterol and the incidence of lung cancer in the Atherosclerosis Risk in Communities (ARIC) Study”; American Heart Association, 47th Annual conference on cardiovascular Disease Epidemiology and Prevention, 2007 (NHLBI Trainee Session oral presentation and Main Session poster presentation)

Kucharska AM, Katz EP, Yamauchi MM, Mechanic GL “Aging and three dimensional structure of the rat tail tendon collagen”; 37th Annual Meeting, Orthopaedic Research Society, 1991

BOOK CHAPTERS

Cohort Studies in “Managerial Epidemiology: Cases and Concepts”, 4th Edition; Fleming ST, Editor

GRANTS AND CONTRACTS

COMPLETED

- 2012 “Measurement of continuity of care for myocardial infarction using CMS Medicare data” Women’s Health Initiative Southeastern Regional Center Feasibility Study;(Role: Principal Investigator)
- 1987-1989 “Structure of rat tail tendon collagen” NRSA Postdoctoral Fellowship F32A08072 (Role: Principal Investigator)
- 2011-2016 The Cardiovascular Outcomes Research Center for the Atherosclerosis Risk in Communities (ARIC) Study NIH/NHLBI Contract No. HHSN 268201100012C; (Role: Co-investigator)
- 2015-2021 “Early Supported Discharge Following Stroke – the COMPASS Study”, PCORI, contract starting June 1, 2015 (Role: Co-Investigator)

ACTIVE SUPPORT

- 2016-2021 The Atherosclerosis Risk in Communities (ARIC) Study, Coordinating Center and Forsyth Field Center. NIH/NHLBI Contract No. HHSN268201100007C (Role: Co-Investigator)
- 2018-2022 “Affordability and Efficiency for COMprehensive Post-Acute Stroke Services(COMPASS)” AHRQ Grant No. 1R01HS025723 (Role: Co-Investigator)
- 2021 – 2026 The Neighborhoods Study: Contextual Disadvantage and Alzheimer's Disease & Related Dementias. (Role: Co-Investigator)

TEACHING RECORD

CLASSROOM INSTRUCTION

Instructor, EPID 889 (Topics in Epidemiology). Department of Epidemiology, School of Public Health, University of North Carolina at Chapel Hill. Spring 2012 (1 credit hour).

Instructor, EPID 889 (Topics in Epidemiology). Department of Epidemiology, School of Public Health, University of North Carolina at Chapel Hill. Spring 2013 (1 credit hour).

Course Director, CPH 786 (Doctoral Seminar). Department of Epidemiology, College of Public Health, University of Kentucky (1 credit hour)

Fall 2018, Spring 2019, Fall 2019, Spring 2020, Fall 2020, Spring 2021

Course Director, CPH 712 (Advanced Epidemiology). Department of Epidemiology, College of Public Health, University of Kentucky (3 credit hours)

Spring 2019, Fall 2020, Fall 2021

Guest lectures:

October 8, 2015: EPID 735: Use of electronic health records in surveillance of cardiovascular events (Instructor: L. Loehr)

November 12, 2015: EPID 735: Practical application of electronic health records in the surveillance of cardiovascular events (Instructor: L. Loehr)

February 25, 2016: EPID 799: Use of data linkages in validation studies (Instructor: J. Lund)

October 13, 2016: EPID 735: Use of electronic health records in surveillance of cardiovascular events (Instructor: W. Rosamond)

DOCTORAL STUDENT ADVISING

University of North Carolina at Chapel Hill

2017-	Ryan Hickson (Chair: Gang Fang)
2014-2017	Natalia Petruski-Ivleva (Doctoral Thesis Advisor, Chair: G. Heiss)
2013-	Carmen Cuthbertson (Chair: K. Evenson)
2013-2017	Ricky Camplain (Chair: G. Heiss)
2010-2017	Montika Bush (Chair: M.A. Brookhart)
2010-2015	Corey Kalbaugh (Chair: G. Heiss)

University of Kentucky

2019-	Meera Marji (Chair)
2019-	Ximena Oyarzun-Gonzalez
2019-	Jade Singleton (Chair)

DOCTORAL THESIS COMMITTEE MEMBERSHIP

University of North Carolina at Chapel Hill

2010-2015	Corey Kalbaugh (role: doctoral thesis co-advisor)
2010-2017	Montika Bush (role: committee member)
2013-2017	Ricky Camplain (role: committee member)

Revised October, 2021

2014-2017 Natalia Petruski-Ivleva (role: doctoral thesis advisor)
2013-2019 Carmen Cuthbertson (role: committee member)
2017-2020 Ryan Hickson (role: committee member)

University of Kentucky

2019-2020 Nimish Valvi (Committee memmebr)
2019- Meera Marji (Chair of Doctoral Thesis Committee)
2019- Ximena Oyarzun-Gonzalez (Committee member)
2019- Jade Singleton (Chair of Doctoral Thesis Committee)

MASTER'S COMMITTEE MEMBER

University of North Carolina at Chapel Hill

2017- Stephanie Lumpkin (role: committee member)

University of Kentucky

2019 Alexandra Hall (role: Capstone committee member)
2021 Taylor Elliott (role: Capstone committee member)

HONORS/AWARDS WON BY STUDENTS:

Corey Kalbaugh: (1) Agency for Healthcare Research and Quality R36 Dissertation Award (2014/2015); (2) Agency for Healthcare Research and Quality National Research Service Award (2014/2015) (awarded through the Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill)

Natalia Petruski-Ivleva: Abstract acceptance for an oral presentation at the American Heart Association Epi/Lifestyle meeting, March, 2015, Baltimore, MD

PROFESSIONAL SERVICE

DEPARTMENT OF EPIDEMIOLOGY, UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

2013-2018 Member, Department of Epidemiology Space Committee

DEPARTMENT OF EPIDEMIOLOGY, UNIVERSITY OF KENTUCKY

2018-present Admissions Committee for the doctoral studies program
2020/2021 Chair, Comprehensive Examination Committee
2020/2021- Associate Director of Graduate Studies
2021 Faculty Search Committee

NATIONAL/INTERNATIONAL REVIEW BOARD PARTICIPATION

American Heart Association Genomics & Translational Biology Epidemiology & Observational Epidemiology - POPULATION (GTOE - POP) Peer Review Committee – Fall 2012, Spring 2013, Fall 2013, Spring 2014, & Fall 2014 Review Sessions

Revised October, 2021

National Science Center, Poland – ad hoc grant review March 2021

ARIC STUDY

CMS Data Committee (Chair); Publications Committee (Member); Surveillance Committee (member); Recruitment and Retention Committee (member)

AD HOC PEER REVIEW ACTIVITIES:

American Heart Journal
American Journal of Epidemiology
American Journal of Managed Care
Annals of Epidemiology
Canadian Medical Association Journal
Circulation: Cardiovascular Quality and Outcomes
Circulation
Diabetes Care
Diabetic Medicine
Epidemiology
European Journal of Preventive Cardiology
Journal of the American Heart Association
Journal of the American College of Cardiology
Neurology