ARIC Manuscript Proposal # Addendum to MP 2576

1.a. Full Title: Addendum to MP 2576: “Epigenome-wide association study of incident chronic kidney disease”

b. Abbreviated Title (Length 26 characters): EWAS of kidney function/disease and serum urate/gout

2. Writing Group:
   Writing group members: Pascal Schlosser, Adrienne Tin, Weihua Guan, Myriam Fornage, Eric Boerwinkle, Anna Kottgen, and others welcome.

I, the first author, confirm that all the coauthors have given their approval for this manuscript proposal. PS [please confirm with your initials electronically or in writing]

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ARIC author to be contacted if there are questions about the manuscript and the first author does not respond or cannot be located (this must be an ARIC investigator).
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3. Timeline: Data analysis to start immediately.

This is an addendum to the ARIC MP #2576 (Epigenome-wide association study of incident chronic kidney disease). In this proposal, we have carried out epigenome-wide association (EWAS) analyses of kidney function as well as prevalent and incident chronic kidney disease (CKD) among African American participants of the ARIC Study. We have collaborated with
Framingham Heart Study investigators for replication, and the resulting manuscript is currently in revision. We would now like to extend this effort to an EWAS meta-analysis under the umbrella of the CKDGen Consortium, in which appr. 10 studies have data on both methylation as well as measures of kidney function and disease. As part of this larger effort, we would like to extend the ARIC EWAS contribution by additionally incorporating summary results from the DNA methylation data of the European ancestry participants of the Brain MRI sub-study that will become available shortly. All methods for the analysis of ARIC data will be carried out in an analogous fashion to that described in the approved parent proposal, #2576.

7.a. Will the data be used for non-CVD analysis in this manuscript? _X_ Yes    ____ No

b. If Yes, is the author aware that the file ICTDER03 must be used to exclude persons with a value RES_OTH = “CVD Research” for non-DNA analysis, and for DNA analysis RES_DNA = “CVD Research” would be used? _X_ Yes    ____ No
(This file ICTDER has been distributed to ARIC PIs, and contains the responses to consent updates related to stored sample use for research.)

8.a. Will the DNA data be used in this manuscript? _X_ Yes    ____ No

8.b. If yes, is the author aware that either DNA data distributed by the Coordinating Center must be used, or the file ICTDER03 must be used to exclude those with value RES_DNA = “No use/storage DNA”? _X_ Yes    ____ No

9. The lead author of this manuscript proposal has reviewed the list of existing ARIC Study manuscript proposals and has found no overlap between this proposal and previously approved manuscript proposals either published or still in active status. ARIC Investigators have access to the publications lists under the Study Members Area of the web site at: http://www.cscc.unc.edu/ARIC/search.php

__X_ Yes    _______ No

10. What are the most related manuscript proposals in ARIC (authors are encouraged to contact lead authors of these proposals for comments on the new proposal or collaboration)?
#1929 Genome-wide DNA methylation profiling in peripheral blood: quality control and association with demographic characteristics
# 2576 Epigenome-wide association study of incident chronic kidney disease

11.a. Is this manuscript proposal associated with any ARIC ancillary studies or use any ancillary study data? _X_ Yes    ____ No

11.b. If yes, is the proposal

____ A. primarily the result of an ancillary study (list number* ____________)
_X    B. primarily based on ARIC data with ancillary data playing a minor role (usually control variables; list number(s)* __2015.12__
12a. Manuscript preparation is expected to be completed in one to three years. If a manuscript is not submitted for ARIC review at the end of the 3-years from the date of the approval, the manuscript proposal will expire.

12b. The NIH instituted a Public Access Policy in April, 2008 which ensures that the public has access to the published results of NIH funded research. It is your responsibility to upload manuscripts to PubMed Central whenever the journal does not and be in compliance with this policy. Four files about the public access policy from http://publicaccess.nih.gov/ are posted in http://www.cscd.unc.edu/aric/index.php, under Publications, Policies & Forms. http://publicaccess.nih.gov/submit_process_journals.htm shows you which journals automatically upload articles to PubMed central.

13. Per Data Use Agreement Addendum, approved manuscripts using CMS data shall be submitted by the Coordinating Center to CMS for informational purposes prior to publication. Approved manuscripts should be sent to Pingping Wu at CC, at pingping_wu@unc.edu. I will be using CMS data in my manuscript ____ Yes ____ No.