## ARIC Manuscript Proposal #2750

PC Reviewed: 5/10/16	Status: A	Priority: 2
SC Reviewed:	<b>Status:</b>	Priority:

- **1.a. Full Title**: Chronic Periodontitis Genome-Wide Association Study in the HCHS/SOL
  - b. Abbreviated Title (Length 26 characters): Chronic periodontitis GWAS

## 2. Writing Group:

Writing group members: A. E. Sanders, Q. Wong, T. Sofer, K.F. Kerr, C. Agler, J. R. Shaffer, J. D. Beck, S. Offenbacher, J. Atkinson, C. R. Salazar, K. E. North, M. L. Marazita, C. C. Laurie, K. Divaris

I, the first author, confirm that all the coauthors have given their approval for this manuscript

proposal. \_\_\_\_ [please confirm with your initials electronically or in writing]

First author: Anne E. Sanders, MS PhD MS

**Associate Professor** 

Department of Dental Ecology

Koury Oral Health Sciences Building, Rm 4502 CB# 7450

385 South Columbia Street

University of North Carolina at Chapel Hill

Chapel Hill, NC 27599-7450 Phone: [Int +1] 919-537-3275 Email: anne sanders@unc.edu

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).

Kimon Divaris, DDS, PhD

**Associate Professor** 

Department of Pediatric Dentistry

UNC School of Dentistry, University of North Carolina-Chapel Hill

234 Brauer Hall, CB #7450

Manning Dr. & S Columbia St.

UNC School of Dentistry, Chapel Hill, NC 27599

**United States** 

Tel: [Int: +1] 919-537-3556 Fax: [Int: +1] 919-537-3950 Email: Kimon Divaris@unc.edu

- **Timeline**: The draft manuscript is completed. **4. Rationale**: Chronic periodontitis is a highly prevalent condition and a major risk factor for tooth loss. Genetic risk factors are likely, and although susceptible signals have been identified, none has reached genome-wide significance. The Hispanic Community Health Study/Study of Latinos is a large, well-characterized population to serve as the discovery cohort. The Dental ARIC cohort will be used to test for replication. Main Hypothesis/Study Questions: To identify genetic risk factors for chronic periodontitis and test the top signals for replication in an independent, well characterized population. 6. Design and analysis (study design, inclusion/exclusion, outcome and other variables of interest with specific reference to the time of their collection, summary of data analysis, and any anticipated methodologic limitations or challenges if present). The Dental ARIC study will be used. This is a cross-sectional study conducted at Visit 4 in which ARIC study participants completed a comprehensive dental examination. This study is a secondary analysis of those data. 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? \_\_\_\_ Yes \_\_X\_\_ 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"? \_\_\_\_ 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)?

\*ancillary studies are listed by number at <a href="http://www.cscc.unc.edu/aric/forms/">http://www.cscc.unc.edu/aric/forms/</a>

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 <a href="http://publicaccess.nih.gov/">http://publicaccess.nih.gov/</a> are posted in <a href="http://publicaccess.nih.gov/submit\_process\_journals.htm">http://publicaccess.nih.gov/submit\_process\_journals.htm</a> shows you which journals automatically upload articles to PubMed central.