

Jisuk Bae, M.D., Ph.D.

Contact Information

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Current Positions

Visiting Fellow

Epidemiology Branch, Division of Intramural Population Health Research, *Eunice Kennedy Shriver* National Institute of Child Health and Human Development, National Institutes of Health, Rockville MD, USA

Assistant Professor

Department of Preventive Medicine, Catholic University of Daegu School of Medicine, Daegu, Republic of Korea

Licensure

2008	Korean Board of Preventive Medicine
2004	Korean License of Medical Doctor

Education

2005-2009	Seoul National University, Seoul, Republic of Korea Ph.D. in Medicine Dissertation title: <i>Metabolic Syndrome Components, Aminotransferases, and Primary Liver Cancer Risk in a Cohort of Hepatitis B and C Virus-Negative Subjects</i>
1998-2004	Catholic University of Daegu, Daegu, Republic of Korea M.D.

Professional Experience

2013-present	Visiting Fellow Epidemiology Branch, Division of Intramural Population Health Research, <i>Eunice Kennedy Shriver</i> National Institute of Child Health and Human Development, National Institutes of Health, Rockville MD, USA
2010-present	Assistant Professor Department of Preventive Medicine, Catholic University of Daegu School of Medicine, Republic of Korea
2008-2010	Research Fellow Department of Preventive Medicine, Catholic University of Daegu School of Medicine, Daegu, Republic of Korea
2005-2008	Resident Department of Preventive Medicine, Seoul National University College of Medicine, Seoul, Republic of Korea
2004-2005	Intern Catholic University of Korea, Catholic Medical Center, Seoul, Republic of Korea

Professional Society Memberships

2014-present	The International Society for Environmental Epidemiology
2011-present	The Society for Adolescent Health and Medicine
2009-present	American Public Health Association
2005-present	The Korean Society for Preventive Medicine
2005-present	The Korean Society for Epidemiology
2005-2008	American Association of Cancer Research
2005-2008	Asian Pacific Organization for Cancer Prevention

Honors and Awards

Best Poster Research Award

The 3rd Asian Pacific Organization for Cancer Prevention General Assembly Conference, November 3-5, 2006, Bangkok, Thailand

AACR-ITO EN, LTD. Scholar-in-Training Award

The 97th Annual Meeting of the American Association of Cancer Research, April 1-5, 2006, Washington DC, USA

Young Scientist Award

The 4th Regional Conference of the Asian Pacific Organization for Cancer Prevention, January 20-21, 2006, Nagoya, Japan

Choi Y, Gwack J, Kim Y, **Bae J**, Jun JK, Ko KP, Yoo KY. Long term trends and future gastric mortality in Korea: 1983-2013. *Cancer Res Treat* 2006 Feb; 38(1): 7-12.

Gwack J, Shin A, Kim CS, Ko KP, Kim Y, Jun J, **Bae J**, Park SK, Hong YC, Kang D, Yoo KY. CagA-producing *Helicobacter pylori* and increased risk of gastric cancer: A nested case-control study in Korea. *Br J Cancer* 2006 Sep; 95(5): 639-641.

Bae J, Gwack J, Park SK, Shin HR, Chang SH, Yoo KY. Cigarette smoking, alcohol consumption, tuberculosis and risk of lung cancer: The Korean Multi-center Cancer Cohort Study. *J Prev Med Public Health* 2007 Jul; 40(4): 321-328.

Ko KP, Park SK, Kim Y, **Bae J**, Jun JK, Gwack J, Yoo KY. Reliability of a questionnaire for women's reproductive history. *J Prev Med Public Health* 2008 May; 41(3): 181-185.

Park S, **Bae J**, Nam BH, Yoo KY. Aetiology of cancer in Asia. *Asian Pac J Cancer Prev* 2008 Jul-Sep; 9(3): 371-380.

Bae J, Joung H, Kim JY, Kwon KN, Kim Y, Park SW. Validity of self-reported height, weight, and body mass index of the Korea Youth Risk Behavior Web-based Survey questionnaire. *J Prev Med Public Health* 2010 Sep; 43(5): 396-402.

Bae J, Joung H, Kim JY, Kwon KN, Kim YT, Park SW. Test-retest reliability of a questionnaire for the Korea Youth Risk Behavior Web-based Survey. *J Prev Med Public Health* 2010 Sep; 43(5): 403-410.

Bae J, Park JH, Park YK, Kim JY, Lee SW, Park SW. Changes in the distribution of maternal age and parity and increasing trends in the low birth weight rate in Korea between 1995 and 2005. *J Prev Med Public Health* 2011 May; 44(3): 111-117.

Bae J, Park EY, Park SW. Modifying effect of suicidal ideation on the relationship between asthma and cigarette use behaviors among Korean adolescents. *J Prev Med Public Health* 2011 May; 44(3): 118-124.

Hong NS, Kim KY, Park SW, Kim JY, **Bae J**, Lee WK, Kim KS. Trends in cigarette use behaviors among adolescents by region in Korea. *J Prev Med Public Health* 2011 Jul; 44(4): 176-184.

Kim CW, Lee BK, **Bae J**. Simultaneous reduction of contralateral malar complex in cases of unilateral zygoma bone fracture. *J Korean Soc Plast Reconstr Surg* 2011 Nov; 38(6): 851-860.

Bae SG, Kim JY, Kim KY, Park SW, **Bae J**, Lee WK. Changes in dietary behavior among adolescents and their association with government nutrition policies in Korea, 2005-2009. *J Prev Med Public Health* 2012 Jan; 45(1): 47-59.

Kim KY, Park SW, Kim JY, **Bae J***, Lee WK, Jeong SH, Kim KS, Kim YH, Park SM. Trends in the Prevalence of health risk behaviors among Korean adolescents, 2005-2009: the Korea Youth Risk Behavior Web-based Survey. *Korean J Health Educ Promot* 2012 Mar; 29(1): 13-25.

Choe JY¹, **Bae J**, Jung HY, Park SH, Lee HJ, Kim SK. Serum resistin level is associated with radiographic changes in hand osteoarthritis: cross-sectional study. *Joint Bone Spine* 2012 Mar; 79(2): 160-165.

Kang CH, Lee KJ, Bae KC, Cho CH, Lee SW, Shin HK, Lee YK, **Bae J**. Results of total knee arthroplasty with NexGen LPS-flex implant using navigation system (Brain Lab): results with a 5-year follow-up. *Knee Surg Relat Res* 2012 Dec; 24(4): 208-213.

Kim SK, **Bae J**, Lee H, Kim JH, Park SH, Choe JY. Greater prevalence of seropositivity for anti-cyclic citrullinated peptide antibody in unaffected first-degree relatives in multicase rheumatoid arthritis-affected families. *Korean J Intern Med* 2013 Jan; 28(1): 45-53.

Lee YJ, Kim MK, **Bae J**, Yang JH. Concentrations of perfluoroalkyl compounds in maternal and umbilical cord sera and birth outcomes in Korea. *Chemosphere* 2013 Feb; 90(5): 1603-1609.

Lee H, Choi HN, Kim SH, Kim JH, Park SH, Kim SK, Hyun DS, Jung KJ, **Bae J**, Choe JY. Prognostic factors of the RA (rheumatoid arthritis) patients with ILD (interstitial lung disease). *J Rheum Dis* 2013 Feb; 20(1): 9-16.

Kim SK, Kim SH, Nah SS, Lee JH, Hong SJ, Kim HS, Lee HS, Kim HA, Joung CI, **Bae J**, Choe JY, Lee SS. Association of guanosine triphosphate cyclohydrolase 1 gene polymorphisms with fibromyalgia syndrome in a Korean population. *J Rheumatol* 2013 Mar; 40(3): 316-322.

Choe JY, **Bae J**, Lee H, Bae SC, Kim SK. Relation of rheumatoid factor and anti-cyclic citrullinated peptide antibody with disease activity in rheumatoid arthritis: cross-sectional study. *Rheumatol Int* 2013 Sep; 33(9): 2373-2379.

Kim MK, Maeng YI, Lee SJ, Lee IH, **Bae J**, Kang YN, Park BT, Park KK. Pathogenesis and significance of glomerular C4d deposition in lupus nephritis: activation of classical and lectin pathways. *Int J Clin Exp Pathol* 2013 Sep; 6(10): 2157-2167.

Bae J. Differences in cigarette use behaviors by age at the time of diagnosis with diabetes from young adulthood to adulthood: results from the National Longitudinal Study of Adolescent Health. *J Prev Med Public Health* 2013 Sep; 46(5): 249-260.

Bae J, Shin DH, Park PS, Choi BY, Kim MK, Shin MH, Lee YH, Chun BY, Kim SK. The impact of serum uric acid level on arterial stiffness and carotid atherosclerosis: the Korean Multi-Rural Communities Cohort Study. *Atherosclerosis* 2013 Nov; 231(1): 145-151.

Choe JY, **Bae J**, Lee H, Park SH, Kim SK. Lack association of body mass index with disease activity composites of rheumatoid arthritis in Korean population: cross-sectional observation. *Clinical Rheumatol* 2014 Apr; 33(4): 485-492.

Bae J, Chun BY, Park PS, Choi BY, Kim MK, Shin MH, Lee YH, Shin DH, Kim SK. Higher consumption of sugar-sweetened soft drinks increases the risk of hyperuricemia in Korean population: The Korean Multi-Rural Communities Cohort Study. *Semin Arthritis Rheum* 2014 Apr; 43(5): 654-661.

Kim SK, Choe JY, **Bae J**, Chae SC, Park DJ, Kwak SG, Lee SS. TNFAIP3 gene polymorphisms associated with differential susceptibility to rheumatoid arthritis and systemic lupus erythematosus in the Korean population. *Rheumatology (Oxford)* 2014 Jun; 53(6): 1009-1013.

Kim SK, Park SH, **Bae J**, Son JT, Choe JY. Performance of Routine Assessment of Patient Index Data 3 (RAPID3) for assessment of rheumatoid arthritis in clinical practice: differential agreement of RAPID3 according to disease activity categories. *Rheumatol Int* 2014 Sep; 34(9): 1311-1318.

Bae J, Park PS, Chun BY, Choi BY, Kim MK, Shin MH, Lee YH, Shin DH, Kim SK. The effect of coffee, tea, and caffeine consumption on serum uric acid and the risk of hyperuricemia in Korean Multi-Rural Communities Cohort. *Rheumatol Int* 2014 Jun 15. [Epub ahead of print]

List of Publications (cont.)

Bae J. Shin DH, Chun BY, Choi BY, Kim MK, Shin MH, Lee YH, Park PS, Kim SK. The effect of vitamin C intake on the risk of hyperuricemia and serum uric acid level in Korean Multi-Rural Communities Cohort. *Joint Bone Spine* 2014 Jul 3. [Epub ahead of print]

Presentations at International Conferences

Yoo KY, Shin HR, Chang SH, Park SK, Kang D, Choi Y, Kim CS, Jun J, Gwack J, Kim Y, **Bae J.** Ko KP for the KMCC Study Group. Ten-year report of Korean Multi-center Cancer Cohort (KMCC) for genome epidemiologic study. The 18th Asia Pacific Cancer Conference, Hotel Lotte, Seoul, Republic of Korea (September 7-9, 2005)

Bae J. Yoo KY, Leem JH, Lee KH, Hong YC. Baseline characteristics of participants in the Incheon Health Examinees Cohort (IHEC) Study. The 4th Regional Conference of Asia Pacific Organization for Cancer Prevention. Nagoya City University Hospital, Nagoya, Japan (January 20-21, 2006)

Bae J. Shin HR, Chang SH, Kang D, Park SH, Choi Y, Kim CS, Jun JK, Gwack J, Kim Y, Ko KP, Yoo KY. Baseline characteristics of participants in the Korean Multi-center Cancer Cohort (KMCC) Study. The 4th Regional Conference of Asia Pacific Organization for Cancer Prevention. Nagoya City University Hospital, Japan (January 20-21, 2006)

Bae J. Hong YC, Yoo KY. Factors of metabolic syndrome and risk of cancer: The Korean Multi-center Cancer Cohort (KMCC) and the Incheon Health Examinees Cohort (IHEC). The 4th Regional Conference of Asia Pacific Organization for Cancer Prevention. Nagoya City University Hospital, Nagoya, Japan (January 20-21, 2006)

Bae J. Hong YC, Yoo KY. Factors of metabolic syndrome and risk of cancer: The Korean Multi-center Cancer Cohort (KMCC) and the Incheon Health Examinees Cohort (IHEC). The 97th Annual Meeting of the American Association of Cancer Research, Washington DC, USA (April 1-5, 2006)

Bae J. Gwack J, Park SK, Yoo KY. Cigarette smoking, alcohol consumption, tuberculosis and risk of lung cancer: The Korean Multi-center Cancer Cohort (KMCC) Study. The 3rd Asia Pacific Organization for Cancer Prevention General Assembly Conference, Bangkok, Thailand (November 3-5, 2006)

Park SK, Ko KP, **Bae J.** Chang SH, Lee KS, Kim H, Lee CT, Kang KH, Koh Y, Chang J, Chung HS, Song JS. Cigarette smoking, tuberculosis, and high risk job category for risk of 3 major histologic types of lung cancer among Koreans. The 3rd Asia Pacific Organization for Cancer Prevention General Assembly Conference, Bangkok, Thailand (November 3-5, 2006)

Bae J. Jung H, Kim JY, Kwon KN, Kim Y, Park SW. Test-retest reliability of a questionnaire for the Korea Youth Risk Behavior Web-based Survey. American Public Health Association 137th Annual Meeting and Exposition, Philadelphia PA, USA (November 7-11, 2009)

Bae J. Jung H, Kim JY, Kwon KN, Ji Y, Park SW. Validity of self-reported height, weight, and body mass index of the Korea Youth Risk Behavior Web-based Survey questionnaire. American Public Health Association 137th Annual Meeting and Exposition, Philadelphia PA, USA (November 7-11, 2009)

Bae J, Park EY, Park SW. Modifying effect of suicidal ideation on the relationship between asthma and cigarette use behaviors among Korean adolescents. Society for Adolescent Health and Medicine 2011 Annual Meeting, Seattle WA, USA (March 29-April 1, 2011)

Yang JH, Kim MK, **Bae J**. Levels of PFCs and developmental effects in industrialized cities in Korea. 32nd International Symposium on Halogenated Persistent Organic Pollutants, Cairns, Australia (August 26-31, 2012)

Lee H, Choe JY, Kim SK, Park SH, Kim JH, Hyun DS, Jung KJ, **Bae J**. Important prognostic factor in rheumatoid arthritis patients with interstitial lung disease is not usual interstitial pneumonia pattern but interstitial lung disease extent on chest high-resolution computed tomography. The 2012 American College of Rheumatology/Association of Rheumatology Health Professionals (ACR/ARHP) Annual Meeting, Washington DC, USA (November 9-14, 2012)

Kim SK, **Bae J**, Choe JY, Chun BY, Park PS, Shin DH. Higher consumption of sugar-sweetened soft drinks increases the risk of hyperuricemia in Korean population: The Korean Multi-Rural Communities Cohort Study. The 2013 American College of Rheumatology/Association of Rheumatology Health Professionals (ACR/ARHP) Annual Meeting, San Diego CA, USA (October 25-30, 2013)

Kim SK, **Bae J**, Shin DH, Chun BY, Choi BY, Kim MK, Shin MH, Lee YH, Park PS. The effect of coffee, tea, and caffeine consumption on serum uric acid and the risk of hyperuricemia in Korean Multi-Rural Communities Cohort. The European League Against Rheumatism (EULAR) 2014, Paris, France (June 11-14, 2014)

Bae J, Kim S, Schisterman EF, Barr DB, Buck Louis GM. Maternal and paternal serum concentrations of perfluorinated compounds and the secondary sex ratio: the LIFE Study. The 26th Annual International Society for Environmental Epidemiology (ISEE) Conference, Seattle WA, USA (August 24-28, 2014)

Bae J, Kim S, Buck Louis GM. Urinary bisphenol A and phthalate metabolite concentrations and the secondary sex ratio: the LIFE Study. The 2014 American College of Epidemiology (ACE) Annual Meeting, Silver Spring MD, USA (September 7-9, 2014)

Bae J, Kim S, Chen Z, Eisenberg ML, Buck Louis GM. Semen quality and the secondary sex ratio. The 2014 American Society for Reproductive Medicine (ASRM) Annual Meeting, Honolulu HI, USA (October 18-22, 2014)

Sapra KJ, **Bae J**, Kim S, Buck Louis GM. Time-to-pregnancy and secondary sex ratio in a preconception cohort. The 2014 American Society for Reproductive Medicine (ASRM) Annual Meeting, Honolulu HI, USA (October 18-22, 2014)

Buck Louis GM, Chen Z, Kim S, Sapra KJ, **Bae J**, Kannan K. Urinary concentrations of benzophenone-type UV filters and semen quality. The 2014 American Society for Reproductive Medicine (ASRM) Annual Meeting, Honolulu HI, USA (October 18-22, 2014)

Kwon OD, Choi SY, **Bae J**. Effect of head circumference on cognitive decline and depressive symptoms in elderly: UNSU County Study. The 4th International Conference on Neurology & Epidemiology, Kuala Lumpur, Malaysia (November 6-8, 2014)

Bae J. Park SW. Cigarette use behaviors among middle and high school students with asthma: Results from the 2007 Korea Youth Risk Behavior Web-based Survey. Korean Society for Preventive Medicine 2009 Autumn Annual Conference, Boryeong, Republic of Korea (October 22-23, 2009)

Kim KY, Kim JY, Park SW, **Bae J.***, Lee WK, Jeong SH, Kim KS, Kim YH, Kim YT. Trends in health risk behaviors among middle and high school students in Korea: Evidence from the Korea Youth Risk Behavior Web-based Survey. Korean Society for Preventive Medicine 2010 Autumn Annual Conference, Yangyang, Republic of Korea (October 28-29, 2010)

Bae SG, Kim JY, Kim KY, Park SW, **Bae J.**, Lee WK. Changes in dietary behavior among adolescents and their association with government nutrition policies in Korea, 2005-2009. Korean Society for Preventive Medicine 2011 Autumn Annual Conference, Cheongju, Republic of Korea (October 27-28, 2011)

Bae J. Park EY, Kim J. Do young adults with asthma engage in cigarette smoking frequently and heavily compared with those without asthma until adulthood? Korean Society for Preventive Medicine 2011 Autumn Annual Conference, Cheongju, Republic of Korea (October 27-28, 2011)

Bae J. Park EY, Kim J. Differences in cigarette use behaviors by age at the time of diagnosis with diabetes from young adulthood to adulthood. Korean Society for Preventive Medicine 2011 Autumn Annual Conference, Cheongju, Republic of Korea (October 27-28, 2011)

Bae J. Influence of asthma on the longitudinal trajectories of cigarette use behaviors from adolescence to adulthood: A latent growth modeling approach. Korean Society for Preventive Medicine 2012 Autumn Annual Conference, Gyeongju, Republic of Korea (October 25-26, 2012)

Kwon OD, Choi SY, **Bae J.** Lack of association of anthropometric measures with cognitive decline and depressive symptoms in an elderly rural community: UNSU County Study. Korean Neurological Association 2012 Autumn Annual Conference, Seoul, Republic of Korea (November 1-3, 2012)
