

Curriculum Vitae
Jayanta Gupta, M.D., Ph.D.

Jayanta Gupta, M.D., Ph.D.
Assistant Professor & Program Director, Public Health
Department of Health Sciences
Marieb College of Health & Human Services
Affiliate Faculty, The Water School
Florida Gulf Coast University
Marieb Hall 211, 10501 FGCU Boulevard South
Fort Myers, FL 33965-6565

Visa status:

Permanent Resident of the U.S.A.

Professional Experience:

Assistant Professor (August 2016 -)
Program Director, Public Health (August 2019 -)
Department of Health Sciences
Marieb College of Health & Human Services
Florida Gulf Coast University
Fort Myers, FL

Assistant Professor (Nov 2013 to – July 2016)
Division of Biostatistics and Epidemiology
Department of Biomedical Sciences
Paul L. Foster School of Medicine
Texas Tech University Health Sciences Center
El Paso, TX

Senior Research Investigator (Nov 2011 – Oct 2013)
Center for Clinical Epidemiology and Biostatistics
University of Pennsylvania Perelman School of Medicine
Philadelphia, PA

Post-doctoral Researcher (Sep 2010 – Oct 2011)
Center for Clinical Epidemiology and Biostatistics
University of Pennsylvania Perelman School of Medicine
Philadelphia, PA

Research Fellow (Apr 2008 – Aug 2010)
Division of Asthma Research, Department of Pediatrics
Cincinnati Children's Hospital Medical Center, Cincinnati, OH

Research Assistant (Sep 2000 – Mar 2008)

March 20, 2020

Division of Allergy and Immunology, Department of Pediatrics,
Cincinnati Children's Hospital Medical Center
Cincinnati, OH

and

Division of Epidemiology and Biostatistics,
Department of Environmental Health,
University of Cincinnati College of Medicine Cincinnati, OH

Education:

Ph.D. in Epidemiology: Environmental Health (Mar 2008)

Division of Epidemiology and Biostatistics,
Department of Environmental Health,
University of Cincinnati College of Medicine, Cincinnati, OH
Dissertation title: Genetic and Biological Markers of Atopic Dermatitis in Children

Bachelor of Medicine, Bachelor of Surgery: M.B.B.S (equivalent to American M.D.; ECFMG certification starting 2011)

Calcutta Medical College & Hospitals, University of Calcutta, Kolkata, India

Awards:

Sep 2000 to Dec 2005	University of Cincinnati Graduate Scholarship (UGS)
Mar 2001 to Mar 2008	University of Cincinnati Graduate Assistantship (UGA)
Mar 2001 to Mar 2008	University of Cincinnati Environmental Health Scholarship
2007	University of Cincinnati Travel Award

Grants:

Current:

PI (sub-contract): African-Americans with atopic dermatitis: Skin barrier and immune-dysregulation. NIH R01AR069062 Grant 11822649; *University of Pennsylvania School of Medicine; Principal Investigator: David J. Margolis, M.D., Ph.D. (Award Total for Original Grant: \$579,214). (2/18/2016 - 1/31/2021).*

Co-PI: Cyanobacterial blooms impact on human health and potential mitigation strategies. *Florida Department of Health. Florida Gulf Coast University; Principal Investigator: Barry Rosen, Ph.D. (\$60,428). (1/1/2020 – 6/30/2020).*

Past:

Co-I: CPRIT Breast Cancer Education/Screening and Navigation - BEST Program Year 1-3; *Grant #: H223065; Grant Sponsor Name: Cancer Prevention and Research Institute of Texas*

(CPRIT) (NIH); Texas Tech University Health Sciences Center at El Paso; Principal Investigator: Navkiran K Shokar, M.D. (\$1,098,920). (12/01/2013 - 11/30/2016).

Co-I: Pediatric Investigation for Genetic Factors Associated with Renal Progression (PediGFR). NIH grant #: R01-DK082394; University of New Mexico; Principal Investigator: Dr. Craig Wong, MD, MPH. (\$2,270,179) (09/07/10 – 07/31/14).

Co-I: Filaggrin Mutations and the Prognosis of Atopic Dermatitis. NIH grant #: 1R01AR056755-01; University of Pennsylvania School of Medicine; Principal Investigator: Dr. David J. Margolis, M.D., Ph.D. (\$548,080). (04/18/09 – 03/31/13).

Collaborating Investigator: Bioaerosols in Midwest Greenhouses and Respiratory Symptoms among the Workers. NIH Grant #: 1R03OH009241-01A1; University of Cincinnati; Principal Investigator: Dr. Atin Adhikari, Ph.D. (\$83,290). (08/01/2008 – 7/31/2010).

Ad-hoc Reviewer:

Journals

Gastroenterology
Frontiers in Bioscience
Journal of Asthma
American Journal of Preventive Medicine
International Journal of Epidemiology
Patient Preference and Adherence
Cancer Genetics
Cancer Epidemiology, Biomarkers and Prevention
Clinical Epidemiology
PLOS ONE
Genome Medicine
Molecular Psychiatry
BioMed Research International
BMC Medical Genetics
Journal of Sexually Transmitted Diseases
American Journal of Medical Genetics
Clinical Kidney Journal

Grant proposals:

Research Grants Council (RGC), University Grants Committee, Hong Kong

Professional Membership:

Society for Epidemiological Research

Teaching Responsibilities:

Current:

March 20, 2020

Courses taught at the Florida Gulf Coast University, Fort Myers, FL:

Fall 2016	<i>Epidemiology (undergraduate, credit hours: 3)</i> <i>Managerial Epidemiology (graduate, credit hours: 3)</i>
Spring 2017	<i>Epidemiology (undergraduate, credit hours: 3)</i> <i>Research Methods in HealthCare (undergraduate, credit hours: 3)</i>
Summer 2017	<i>Research Methods in HealthCare (undergraduate, credit hours: 3)</i> <i>Health Care Policy in US (undergraduate, credit hours: 3)</i>
Fall 2017	<i>Epidemiology (undergraduate, credit hours: 3)</i> <i>Managerial Epidemiology (graduate, credit hours: 3)</i> <i>Biostatistics and Epidemiology (Doctor of Nursing Practice, credit hours: 3)</i> <i>Human Physiology (Master of Physician Assistant Studies, MPAS, credit hours: 3) (Guest Lecturer)</i>
Spring 2018	<i>Epidemiology (undergraduate, credit hours: 3)</i> <i>Research Methods in HealthCare (undergraduate, credit hours: 3)</i>
Summer 2018	<i>Research Methods in HealthCare (undergraduate, credit hours: 3)</i> <i>Health Care Policy in US (undergraduate, credit hours: 3)</i>
Fall 2018	<i>Epidemiology (undergraduate, credit hours: 3)</i> <i>Biostatistics in Society (undergraduate, credit hours: 3)</i> <i>Environmental Health Science (undergraduate, credit hours: 3)</i> <i>Evidence Based Medicine (Master of Physician Assistant Studies, credit hours: 2)</i> <i>Biostatistics and Epidemiology (Doctor of Nursing Practice, credit hours: 3)</i>
Spring 2019	<i>Epidemiology (undergraduate, credit hours: 3)</i> <i>Research Methods in HealthCare (undergraduate, credit hours: 3)</i> <i>Environmental Health Science (undergraduate, credit hours: 3)</i>
Summer 2019	<i>Research Methods in HealthCare (undergraduate, credit hours: 3)</i> <i>Health Care Policy in US (undergraduate, credit hours: 3)</i>
Fall 2019	<i>Epidemiology (undergraduate, credit hours: 3)</i> <i>Biostatistics in Society (undergraduate, credit hours: 3)</i> <i>Environmental Health Science (undergraduate, credit hours: 3)</i> <i>Managerial Epidemiology (graduate, credit hours: 3)</i> <i>Biostatistics and Epidemiology (Doctor of Nursing Practice, credit hours: 3)</i>

Past:

March 20, 2020

Course taught to medical students at Paul L. Foster School of Medicine, Texas Tech University Health Sciences Center, El Paso, TX:

Spring 2014	<i>Society, Community and the Individual (SCI) course</i>
Spring 2015	<i>Society, Community and the Individual (SCI) course</i>

Courses taught to students of the Graduate School of Biomedical Sciences, Texas Tech University Health Sciences Center, El Paso, TX:

Spring 2014, Spring 2015	<i>Introduction to Statistical Methods in the Biomedical Sciences (credit hours: 3)</i>
Spring 2016:	<i>Course Co-Director: Introduction to Statistical Methods in the Biomedical Sciences (credit hours: 3)</i>
Fall 2014, Fall 2015	<i>Methods in Biomedical Sciences (Biotechnology) (credit hours: 2) (Guest Lecturer)</i>
Fall 2014, Fall 2015	<i>Advanced Human Genetics (credit hours: 2) (Guest Lecturer)</i>

Course taught to medical residents and clinical fellows, Texas Tech University Health Sciences Center, El Paso, TX:	
2016	<i>Course Co-Director: Introduction to Clinical Research Methods</i>

Committee Service:

Medical Students Interview committee, Paul L. Foster School of Medicine, Texas Tech University Health Sciences Center, El Paso, TX.

Master of Physician Assistant Studies Interview committee, Florida Gulf Coast University, Fort Myers, FL.

Faculty Search Committee, School of Nursing, Marieb College of Health and Human Services, Florida Gulf Coast University, Fort Myers, FL.

Bylaws Committee, Marieb College of Health and Human Services, Florida Gulf Coast University, Fort Myers, FL.

Associate Dean for Research & Scholarship Search Committee, Marieb College of Health and Human Services, Florida Gulf Coast University, Fort Myers, FL.

Strategic Planning Committee, Center for Environmental and Sustainability Education, Florida Gulf Coast University, Fort Myers, FL.

University Faculty Appointments Committee, Florida Gulf Coast University, Fort Myers, FL.

Publications

First-authored publications in peer-reviewed journals:

March 20, 2020

Resolving the Etiology of Atopic Disorders by Genetic Analysis of Racial Ancestry. **Gupta J**, Johansson E, Bernstein JA, Chakraborty R, Khurana Hershey GK, Rothenberg ME, Mersha TB. J Allergy Clin Immunol. 2016 Sep;138(3):676-99. Review.

Variants in genes belonging to the Fibroblast Growth Factor family are associated with lower extremity amputation in non-Hispanic whites: Findings from the Chronic Renal Insufficiency Cohort study. **Gupta J***, Mitra N*, Townsend RR, Fischer M, Schelling JR, Margolis DJ. Wound Repair Regen. 2016 Jul;24(4):705-11. *Shared first authorship

Genome-wide association studies in pediatric chronic kidney disease. **Gupta J**, Kanetsky PA, Wuttke M, Köttgen A, Schaefer F, Wong CS. Pediatr Nephrol. 2015 Oct 21. Review.

Association between Inflammation and Cardiac Geometry in Chronic Kidney Disease: Findings from the CRIC Study. **Gupta J***, Dominic EA*, Fink JC, Ojo AO, Barrons IR, Reilly MP, Townsend RR, Joffe MM, Rosas SE, Wolman M, Patel SS, Keane MG, Feldman HI, Kusek JW, Raj DS; CRIC Study Investigators. PLoS One. 2015 Apr 24;10(4):e0124772. doi: 10.1371/journal.pone.0124772. * Shared first authorship

Exome sequencing of Filaggrin and related genes in African-American children with atopic dermatitis. Margolis DJ*, **Gupta J***, Apter AJ, Hoffstad O, Papadopoulos M, Rebbeck TR, Wubbenhorst B, Mitra N. J Invest Dermatol. 2014 Aug;134(8):2272-4. * Shared first authorship

Filaggrin-2 variation is associated with more persistent atopic dermatitis in African American subjects. Margolis DJ*, **Gupta J***, Apter AJ, Ganguly T, Hoffstad O, Papadopoulos M, Rebbeck TR, Mitra N. J Allergy Clin Immunol. 2014 Mar;133(3):784-9. * Shared first authorship

Association between Albuminuria, Kidney Function, and Inflammatory Biomarker Profile. **Gupta J**, Mitra N, Kanetsky PA, Devaney J, Wing MR, Reilly M, Shah VO, Balakrishnan VS, Guzman NJ, Girndt M, Periera BG, Feldman HI, Kusek JW, Joffe MM, Raj DS; for the CRIC Study Investigators. Clin J Am Soc Nephrol. 2012 Dec;7(12):1938-46.

Functional variant in the autophagy-related 5 gene promoter is associated with childhood asthma. Martin LJ*, **Gupta J***, Jyothula SS, Butsch Kovacic M, Biagini Myers JM, Patterson TL, Ericksen MB, He H, Gibson AM, Baye TM, Amirisetty S, Tsoras AM, Sha Y, Eissa NT, Hershey GK. PLoS One. 2012;7(4):e33454. Epub 2012 Apr 20. * Shared first authorship

Intrinsically defective skin barrier function in children with atopic dermatitis correlates with disease severity. **Gupta J**, Grube E, Ericksen MB, Stevenson MD, Lucky AW, Sheth AP, Assa'ad AH, Khurana Hershey GK. J Allergy Clin Immunol. 2008 Mar;121(3):725-730.e2.

Co-authored publications in peer-reviewed journals:

Assessment of the Effect of Oral Health on Quality of Life and Oral-Health Indicators among ESRD Patients in Southwest Florida: A Pilot Study. *Kahar P, Chapman C, Gupta J.* Int J Dent. 2019 Sep 23;2019:1608329.

The relationship between circadian gene single nucleotide polymorphisms and clinical and behavioral assessments of sleep and rhythms and course of illness characteristics in subjects with bipolar type I disorder. *Gonzalez R, Gonzalez SD, Gupta J, Mallawaarachchi I, Suppes T.* Personalized Medicine in Psychiatry 13–14 (2019) 11–18.

Association of Severe Atopic Dermatitis with month of birth in Armenian pediatric patients. *Sargsyan A, Gupta J, Ghosh D.* Pediatr Allergy Immunol. 2018 Sep;29(6):655-656..

Uncommon filaggrin variants are associated with persistent atopic dermatitis in African Americans. *Margolis DJ, Mitra N, Gochbauer H, Wubbenhorst B, D'Andrea K, Kraya A, Hoffstad O, Gupta J, Kim B, Yan A, Chiesa Fuxench Z, Nathanson KL.* J Invest Dermatol. 2018 Jul;138(7):1501-1506.

CCR5 promoter activity correlates with HIV disease progression by regulating CCR5 cell surface expression and CD4 T cell apoptosis. *Joshi A, Punke EB, Sedano M, Beauchamp B, Patel R, Hossenlopp C, Alojzie OK, Gupta J, Mukherjee D, Garg H.* Sci Rep. 2017 Mar 22;7(1):232

Inflammation and Arterial Stiffness in Chronic Kidney Disease: Findings from the CRIC Study. *Peyster E, Chen J, Feldman HI, Go AS, Gupta J, Mitra N, Pan Q, Porter A, Rahman M, Raj D, Reilly M, Wing MR, Yang W, Townsend RR; CRIC Study Investigators.* Am J Hypertens. 2017 Apr 1;30(4):400-408.

Replication of genome-wide association study (GWAS) susceptibility loci in a Latino bipolar disorder cohort. *Gonzalez S, Gupta J, Villa E, Mallawaarachchi I, Rodriguez M, Ramirez M, Zavala J, Armas R, Dassori A, Contreras J, Flores D, Jerez A, Ontiveros A, Nicolini H, Escamilla M.* Bipolar Disord. 2016 Sep;18(6):520-527.

Genome Wide Association of Chronic Kidney Disease Progression: The CRIC Study. *Parsa A*, Kanetsky PA*, Xiao R**, Gupta J**, Mitra N**, Limou S, Xie D, Xu H, Anderson AH, Ojo A, Kusek JW, Lora CM, Hamm LL, He J, Sandholm N, Jeff J, Raj DE, Böger CA, Bottinger E, Salimi S, Parekh RS, Adler SG, Langefeld CD, Bowden DW; FIND Consortium., Groop PH, Forsblom C, Freedman BI, Lipkowitz M, Fox CS, Winkler CA, Feldman HI; and the Chronic Renal Insufficiency Cohort (CRIC) Study Investigators.* J Am Soc Nephrol. 2016 Oct 11. pii: ASN.2015101152 *these authors contributed equally **these authors contributed equally

Inflammation and Progression of CKD: The CRIC Study. *Amdur RL, Feldman HI, Gupta J, Yang W, Kanetsky P, Shlipak M, Rahman M, Lash JP, Townsend RR, Ojo A, Roy-Chaudhury A, Go*

AS, Joffe M, He J, Balakrishnan VS, Kimmel PL, Kusek JW, Raj DS; CRIC Study Investigators. Clin J Am Soc Nephrol. 2016 Jun 23. pii: CJN.13121215. [Epub ahead of print]

Comparison of Two ELISA Methods and Mass Spectrometry for Measurement of Vitamin D-Binding Protein: Implications for the Assessment of Bioavailable Vitamin D Concentrations across Genotypes. Denburg MR, Hoofnagle AN, Sayed S, **Gupta J**, de Boer IH, Appel LJ, Durazo-Arvizu R, Whitehead K, Feldman HI, Leonard MB; Chronic Renal Insufficiency Cohort study investigators. J Bone Miner Res. 2016 Jun;31(6):1128-36.

Genetic African ancestry and markers of mineral metabolism in chronic kidney disease: findings from the CRIC Study. Gutiérrez OM, Parsa A, Isakova T, Scialla JJ, Chen J, Flack JM, Nessel LC, **Gupta J**, Belovich KA, Steigerman S, Sondheimer JH, Wright JT, Feldman HI, Kusek JW, Lash JP, Wolf M. Clin J Am Soc Nephrol. 2016 Apr 7;11(4):653-62.

Association of HLA-DRB1 genetic variants with the persistence of atopic dermatitis. Margolis DJ, Mitra N, Kim B, **Gupta J**, Hoffstad OJ, Papadopoulos M, Wubbenhorst B, Nathanson KL, Duke JL, Monos D, Kamoun M. Hum Immunol. 2015 Aug;76(8):571-7.

Genome-wide association study of kidney function decline in individuals of European descent. Gorski M, Tin A, Garnaas M, McMahon GM, Chu AY, Tayo BO, Pattaro C, Teumer A, Chasman DI, Chalmers J, Hamet P, Tremblay J, Woodward M, Aspelund T, Eiriksdottir G, Gudnason V, Harris TB, Launer LJ, Smith AV, Mitchell BD, O'Connell JR, Shuldiner AR, Coresh J, Li M, Freudenberger P, Hofer E, Schmidt H, Schmidt R, Holliday EG, Mitchell P, Wang JJ, de Boer IH, Li G, Siscovick DS, Kutalik Z, Corre T, Vollenweider P, Waeber G, **Gupta J**, Kanetsky PA, Hwang SJ, Olden M, Yang Q, de Andrade M, Atkinson EJ, Kardia SL, Turner ST, Stafford JM, Ding J, Liu Y, Barlassina C, Cusi D, Salvi E, Staessen JA, Ridker PM, Grallert H, Meisinger C, Müller-Nurasyid M, Krämer BK, Kramer H, Rosas SE, Nolte IM, Penninx BW, Snieder H, Fabiola Del Greco M, Franke A, Nöthlings U, Lieb W, Bakker SJ, Gansevoort RT, van der Harst P, Dehghan A, Franco OH, Hofman A, Rivadeneira F, Sedaghat S, Uitterlinden AG, Coassin S, Haun M, Kollerits B, Kronenberg F, Paulweber B, Aumann N, Endlich K, Pietzner M, Völker U, Rettig R, Chouraki V, Helmer C, Lambert JC, Metzger M, Stengel B, Lehtimäki T, Lyytikäinen LP, Raitakari O, Johnson A, Parsa A, Bochud M, Heid IM, Goessling W, Köttgen A, Kao WH, Fox CS, Böger CA. Kidney Int. 2015 May;87(5):1017-29

Thymic Stromal Lymphopoietin Variation, Filaggrin Loss of Function, and the Persistence of Atopic Dermatitis. Margolis DJ, Kim B, Apter AJ, **Gupta J**, Hoffstad O, Papadopoulos M, Mitra N. JAMA Dermatol. 2014 Mar;150(3):254-9.

Lack of effectiveness of hyperbaric oxygen therapy for the treatment of diabetic foot ulcer and the prevention of amputation: A cohort study. Margolis DJ, **Gupta J**, Hoffstad O, Papadopoulos M, Glick HA, Thom SR, Mitra N. Diabetes Care. 2013 Jul;36(7):1961-6.

Reliability and Validity of Genotyping Filaggrin null mutations. Margolis DJ, Apter AJ, Mitra N, **Gupta J**, Hoffstad O, Papadopoulos M, Rebbeck TR, MacCallum S, Campbell LE, Sandilands A, McLean WH. J Dermatol Sci. 2013 Apr;70(1):67-8.

Diabetes, lower extremity amputation, loss of protective sensation, and neuronal nitric oxide synthase associated protein in the Chronic Renal Insufficiency Cohort study. *Margolis DJ, Gupta J, Thom SR, Townsend RR, Kanetsky PA, Hoffstad O, Papadopoulos M, Fischer M, Schelling JR, Mitra N.* Wound Repair Regen. 2013 Jan-Feb;21(1):17-24.

Gene-centric meta-analyses of 108,912 individuals confirm known body mass index loci and reveal three novel signals. *Guo Y, Lanktree MB, Taylor KC, Fairfax BP, Elbers CC, Barnard J, Farrall M, Padmanabhan S, Baumert J, Castillo BA, Gaunt TR, Gong Y, Rajagopalan R, Romaine SP, Kumari M, Rafelt S, Smith EN, Li YR, Sivapalaratnam S, van Iperen EP, Speliotes EK, Taskala E, Zhang L, Ochs-Balcom HM, Bhangale TR, Chandrupatla HR, Drenos F, Gieger C, Gupta J, Johnson T, Kleber ME, Makino S, Mangino M, Meng Y, Nelson CP, Pankow JS, Pankratz N, Price TS, Shaffer J, Shen H, Tischfield S, Tomaszewski M, Atwood LD, Bailey KM, Balasubramanyam A, Baldwin CT, Basart H, Bauer F, Behr ER, Beitelshes AL, Berenson GS, Beresford SA, Bezzina CR, Bhatt DL, Boer JM, Braund PS, Burke GL, Burkley B, Carty C, Chen W, Clarke R, Cooper-Dehoff RM, Curtis SP, de Bakker PI, de Jong JS, Delles C, Dominiczak AF, Duggan D, Feldman HI, Furlong CE, Gorski MM, Gums JG, Hardwick R, Hastie C, Heid IM, Huang GH, Huggins GS, Humphries SE, Kirkland SA, Kivimaki M, Klein R, Klein BE, Knowler WC, Kottke-Marchant K, Lacroix AZ, Langae TY, Li M, Lyon HN, Maimwald S, Marshall JK, Mehta A, Meijs MF, Melander O, Meyer N, Mitra N, Molony CM, Morrow DA, Murugesan G, Newhouse SJ, Nieto JF, Onland-Moret NC, Ouweland WH, Palmen J, Pepine CJ, Ranchalis J, Rosas SE, Rosenthal EA, Scharnagl H, Schork NJ, Schreiner PJ, Shah T, Shashaty M, Shimbo D, Srinivasan SR, Thomas F, Tobin MD, Tsai MY, Verschuren WM, Wagenknecht LE, Winkelmann BR, Young T, Yusuf S, Zafarmand MH, Zmuda JM, Zwinderman AH, Anand SS, Balmforth AJ, Boehm BO, Boerwinkle E, Burton PR, Cappola TP, Casas JP, Caulfield MJ, Christiani DC, Christie J, Cruickshanks KJ, Davey-Smith G, Davidson KW, Day IN, Doevendans PA, Dorn GW, Fitzgerald GA, Hall AS, Hingorani AD, Hirschhorn JN, Hofker MH, Hovingh KG, Illig T, Jamshidi Y, Jarvik GP, Johnson JA, Kanetsky PA, Kastelein JJ, Koenig W, Lawlor DA, März W, McCaffery J, Mega JL, Mitchell BD, Murray SS, O'Connell JR, Patel SR, Peters A, Pettinger M, Rader DJ, Redline S, Reilly MP, Sabatine MS, Schadt EE, Shuldiner AR, Silverstein RL, Spector TD, Taylor HA, Thorand B, Trip MD, Watkins H, Wichmann HE, Fox CS, Grant SF, Peter I, Talmud PJ, Munroe PB, Wilson JG, Knight JC, Samani NJ, Hegele RA, Asselbergs FW, Monda KL, van der Schouw YT, Demerath EW, Wijmenga C, Timpson NJ, Reiner AP, North KE, Papanicolaou GJ, Hakonarson H, Lange Daggar LA, Keating Daggar BJ.* Hum Mol Genet. 2013 Jan 1;22(1):184-201.

Associations between pollen counts, pollutants and asthma-related hospital admissions in a high density Indian metropolis. *Ghosh D, Chakraborty P, Gupta J, Das S, Roy I, Biswas A, Gupta-Bhattacharya S.* Journal of Asthma. 2012 Oct;49(8):792-9..

The persistence of atopic dermatitis and Filaggrin mutations in a US longitudinal cohort. *Margolis DJ, Apter AJ, Gupta J, Hoffstad O, Papadopoulos M, Campbell LE, Sandilands A, McLean W.H.I., Rebbeck TR, Mitra N.* J Allergy Clin Immunol. 2012 Oct;130(4):912-7.

Identification of KIF3A as a Novel Candidate Gene for Childhood Asthma Using RNA Expression and Population Allelic Frequencies Differences. *Kovacic MB, Myers JM, Wang N, Martin LJ, Lindsey M, Ericksen MB, He H, Patterson TL, Baye TM, Torgerson D, Roth LA, Gupta J, Sivaprasad U, Gibson AM, Tsoras AM, Hu D, Eng C, Chapela R, Rodríguez-Santana JR, Rodríguez-Cintrón W, Avila PC, Beckman K, Seibold MA, Gignoux C, Musaad SM, Chen W, Burchard EG, Hershey GK.* PLoS One. 2011;6(8):e23714. Epub 2011 Aug 30.

Differences in candidate gene association between European ancestry and African American asthmatic children. *Baye TM, Butsch Kovacic M, Biagini Myers JM, Martin LJ, Lindsey M, Patterson TL, He H, Ericksen MB, Gupta J, Tsoras AM, Lindsley A, Rothenberg ME, Wills-Karp M, Eissa NT, Borish L, Khurana Hershey GK.* PLoS One. 2011 Feb 28;6(2):e16522.

Airborne microorganisms, endotoxin, and (1->3)- β -Dglucan exposure in greenhouses and assessment of respiratory symptoms among workers. *Adhikari A, Gupta J, Wilkins JR 3rd, Olds RL, Indugula R, Cho KJ, Li C, Yermakov M.* Annals of Occupational Hygiene. 2011 Apr;55(3):272-85. Epub 2010 Dec 20.

Asthma-Related Hospital Admissions in an Indian Megacity: Role of Ambient Aeroallergens and Inorganic Pollutants. *Ghosh D, Chakraborty P, Gupta J, Biswas A, Gupta-Bhattacharya S.* Allergy. 2010 Jun 1;65(6):795-6. Epub 2009 Nov 3.

Aeroallergen Sensitization in Healthy Children: Racial and Socioeconomic Correlates. *Stevenson MD, Sellins S, Grube E, Schroer K, Gupta J, Wang N, Khurana Hershey GK.* Journal of Pediatrics. 2007 Aug;151(2):187-91.

Conference presentations and abstracts (National and International):

Assessment of oral health related quality of life among ESRD patients in Southwest Florida – a pilot study. *Payal Kahar, Carol Chapman, Jayanta Gupta.* (National Oral Health Conference, April 13-17, Memphis, TN).

Assessment of the effect of oral health on quality of life and oral health indicators among ESRD patients in Southwest Florida- a pilot study. *Payal Kahar, Carol Chapman, R, Jayanta Gupta, and Julie Zemplinski.* (American Public Health Association's 2018 Annual Meeting & Expo, Nov. 10 - Nov. 14, in San Diego, CA).

Pet ownership, indoor air quality and the prevalence of respiratory conditions: a cross-sectional study in rural Georgia. *Amanda Brown, Jayanta Gupta, Errol Spence, Atin Adhikari.* (National Council for Science and the Environment's 2017 Integrating Health and the Environment Conference in Washington D.C, January 24-26, 2017)

Comparison of Genetic Associations with Different Definitions of CKD Progression in Children. *Matthias Wuttke, Elke Wuehl, Li Luo, Jayanta Gupta, Bradley Warady, Susan L. Furth, Anna Kottgen, Franz S. Schaefer and Craig S. Wong.* (ASN Kidney Week 2015 Annual Meeting, San Diego, CA, Nov 3 – Nov 9, 2015)

Association of Variants in Genes Belonging to the Angiogenesis/Wound Repair Pathway with Lower Extremity Amputation: Findings from the CRIC study. **Gupta J***, Mitra N*, Townsend RR, Hoffstad O, Papadopoulos M, Fischer M, Schelling JR, Harold I. Feldman and Margolis DJ. (ASN Kidney Week 2014 Annual Meeting, Philadelphia, PA, Nov 13 – Nov 16, 2014)

*Joint first-authors

Discovery of Novel Candidate Genetic Markers Associated with Pediatric CKD Progression in the PediGFR Study. **Jayanta Gupta**, Peter A. Kanetsky, Nandita Mitra, Elke Wuehl, Anna Kottgen, Matthias Wuttke, Susan L. Furth, Bradley A. Warady, Franz S. Schaefer, Craig S. Wong. (ASN Kidney Week 2013 Annual Meeting, Atlanta, GA, Nov 5 – Nov 10, 2013)

Genetic Markers Associated with Erythrocyte Traits in the Chronic Renal Insufficiency Cohort (CRIC) Study. **Jayanta Gupta**, Meredith A. Atkinson, Craig S. Wong, Peter A. Kanetsky, Susan L. Furth. (ASN Kidney Week 2013 Annual Meeting, Atlanta, GA, Nov 5 – Nov 10, 2013)

Biomarkers of Inflammation Are Associated with Cardiovascular Disease in Chronic Kidney Disease (CKD)—Findings from the Chronic Renal Insufficiency Cohort (CRIC) Study. **Jayanta Gupta**, Elizabeth Dominic, Tulsi K. Mehta, Alan S. Go, Marshall M. Joffe,1 Melanie Glenn, Valerie L. Teal, Dawei Xie, John W. Kusek, Harold I. Feldman, Dominic S. Raj. (ASN Kidney Week 2013 Annual Meeting, Atlanta, GA, Nov 5 – Nov 10, 2013)

Vitamin D Status in the Chronic Renal Insufficiency Cohort: Impact of Vitamin D-Binding Protein (DBP) Concentrations and Polymorphisms. Michelle Denburg, Thomas Jemielita, **Jayanta Gupta**, Martin Hewison, Myles S. Wolf, Mary B. Leonard. (ASN Kidney Week 2013 Annual Meeting, Atlanta, GA, Nov 5 – Nov 10, 2013)

Genetics of increased post-thoracotomy in-hospital pain. Andrew Ochroch, **Jayanta Gupta**, Peter A Kanetsky. (Society of Cardiovascular Anesthesiologists, 35th Annual Meeting & Workshops, Miami Beach, FL, April 6-10, 2013).

Cardiac geometry is associated with kidney function and markers of inflammation: Findings from the Chronic Renal Insufficiency Cohort (CRIC) study. **Jayanta Gupta**, Ashte' Collins, Muredac Reilly, Wei Yang, Shari Lewis, Raymond Townsend, Marshall Joffe, Balakrishnan V, Kevin Sterling, Sylvia Rosas, Jeffrey Fink, Melanie Glen, Martin Keane, Harold Feldman, John Kusek, Dominic Raj for the CRIC investigators (ASN Kidney Week 2012 Annual Meeting, San Diego, CA, Oct 30 – Nov 4, 2012).

The discovery phase of the CRIC Study GWAS identifies novel candidate markers associated with progression of CKD. Afshin Parsa*, Peter Kanetsky*, Nandita Mitra, **Jayanta Gupta**, Harold I. Feldman on behalf of the CRIC study investigators. *equal contributions (ASN Kidney Week 2012 Annual Meeting, San Diego, CA, Oct 30 – Nov 4, 2012).

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