

(Pratibha V. Nerurkar)
College of Tropical Agriculture and Human Resources
(Molecular Biosciences and Bioengineering)

Education

<u>Degree</u>	<u>University</u>	<u>Major</u>
Bachelors	University of Bombay, Mumbai, India	Biochemistry
Masters	University of Bombay, Mumbai, India	Biochemistry
PhD	Cancer Research Institute, Tata Memorial Center, University of Bombay, Mumbai, India	Biochemistry
Post-Doctorate	National Cancer Institute, National Institutes of Health, Frederick, MD	Chemical and trans-placental carcinogenesis

Lifetime and Fellow Achievement Awards (peer nominated and endorsed national and International-important for those without accreditation that is peer nominated and endorsed, recognized)

2021	<u>National Teaching Award:</u> Western Region Award for Excellence in College and University Teaching in the Food and Agricultural Sciences, USA.
2021	<i>Nomination for National Teaching Award</i> by CTAHR Academic Dean for “Western Region Award for Excellence in College and University Teaching in the Food and Agricultural Sciences”
2021	<u>UH Manoa Teaching Award:</u> Presidential Citation for Meritorious Teaching at UH Manoa https://manoa.hawaii.edu/president/awards/#meritorious-teaching http://www.ofdas.hawaii.edu/awards/2021/pratibha-nerurkar.html
2020	<i>Nomination for UH Manoa Teaching Award</i> , “Excellence in Teaching Award for AY 2020-2021 UH Manoa”
2020	<i>Nomination for CTAHR Teaching Award</i> , “Excellence in Teaching Award for AY 2020-2021, CTAHR”
2020	<u>UH Manoa Mentoring Award:</u> Faculty Award for Excellence in Mentoring Undergraduate Research and Creative Work, UH Manoa https://manoa.hawaii.edu/undergrad/urop/for-faculty/awards/facultymentoringaward/
2020	<i>Nominated</i> for “Faculty Award for Excellence in Mentoring Undergraduate Research and Creative Work”, UHM
2019	<i>Nominated for UH Manoa Teaching Award</i> , “Excellence in Teaching Award for AY 2019 – 2020”, UHM
2019	<i>Nominated</i> for “Excellence in Teaching Award for AY 2019 – 2020”, CTAHR
2018	First place , Western Region Excellence Award in Multistate Research, NIFA, USDA
2017	Second place , Western Region Excellence Award in Multistate Research, NIFA, USDA
2016	First place , Western Region Excellence Award in Multistate Research, NIFA, USDA
2015	First place , Western Region Excellence Award in Multistate Research, NIFA, USDA
2010	Travel award , University Research Council, University of Hawaii
2008	Merit Award , CTAHR
1990 – 1994	Fellowship, Fogarty International Center, National Institutes of Health, Frederick, MD
1988 – 1989	Senior Research Fellowship, Cancer Research Institute, Tata Memorial Center, Mumbai, India
1986 – 1988	Junior Research Fellowship, Cancer Research Institute, Tata Memorial Center, Mumbai, India
1985	Gold Medal and Dr. R.K. Anjaria Memorial Prize for receiving highest marks and First Rank in Biochemistry, M.Sc., University of Bombay, Mumbai, India.
1984	Gold Medal for First Rank, Biochemistry, B.Sc., University of Bombay, Bombay, India
1984	S.I.E.S. College Prize for receiving highest marks and First Rank in Biochemistry, B.Sc., University of Bombay, Mumbai, India
1984	S.I.E.S. College Prize for receiving highest marks and Fifth Rank in Zoology, B.Sc., University of Bombay, Mumbai, India

Professional Appointments

<u>Title</u>	<u>Employer</u>	<u>Dates Employed</u>
MBBE Department Chair	MBBE, CTAHR, University of Hawaii	Jan 2025 - present
Professor	MBBE, CTAHR, University of Hawaii	2022 – Present
Graduate Chair	MBBE, CTAHR, University of Hawaii	April 2020 – present
Interim Graduate Chair	MBBE, CTAHR, University of Hawaii	Aug to Sept 2018
Adjunct Associate Professor	Ph.D. Nutrition Program, HNFAS, CTAHR, University of Hawaii	2010 – Present
Associate Professor	MBBE, CTAHR, University of Hawaii	2007 – Present
Adjunct Associate Professor	HNFAS Graduate Program, HNFAS, CTAHR, University of Hawaii	2003 – Present
Assistant Professor	MBBE, CTAHR, University of Hawaii	2002 – 2007
Assistant Researcher	Retrovirology Research Laboratory, Pacific Biomedical Research Center, University of Hawaii.	2000 – 2002
Assistant Specialist	Molecular Epidemiology, Cancer Research Center of Hawaii, University of Hawaii	1997 – 2001
Assistant Researcher	Molecular Epidemiology, Cancer Research Center of Hawaii, University of Hawaii	1996 – 1997
Junior Researcher	Retrovirology Research Laboratory, John A. Burns School of Medicine (JABSOM), University of Hawaii	1996
Consultant	Department of Tropical Medicine and Medical Microbiology, School of Medicine, University of Hawaii	1995
Visiting Fellow	Fogarty International Center, Laboratory of Comparative Carcinogenesis, National Institutes of Health, NCI-FCRDC, Frederick, MD	1990 – 1994
Postdoctoral Fellow	Department of Medicinal Chemistry, State University of New York at Buffalo, Buffalo, NY	1989
Senior Research Fellow	Cancer Research Institute, Bombay, India	1988 – 1999
Junior Research Fellow	Cancer Research Institute, Bombay, India	1986 – 1988

Courses Taught

<u>Course Number</u>	<u>Title (credits)</u>
MBBE 375	Multidisciplinary approach to Biochemistry (4 credits, Lab and lecture, 2003 – 2007)
MBBE 402	Principles of Biochemistry (4 credits, cross-listed with BIOL 402, 2008 – 2019, 2021 - present)
MBBE 651	Signal Transduction and Gene Regulation (3 credits, 2003 – present)
MBBE 610	Seminar courses “Lipidomics and Histone Acetylation (1 credit, 2004 and 2006)
MBBE 610	Seminar course “Emerging Technology in Agriculture and Human Health” (1 credit, 2021)
MBBE 375	Essential Biochemistry (3 credits, 2013 – present)
MBBE 499	Directed undergraduate research, variable credits, (2002 - present)
MBBE 699, FSHN 699, MBBE 700, FSN 700 and MBBE 800	Directed graduate research, variable credits, (2002 - present)

Current students: One Ph.D., one M.S. and one undergraduate students

Graduate, Undergraduate and Highschool Students (2003 – present)

<u>Category</u>	<u>Current Number of Students</u>	<u>Number Graduated (Career)</u>
Chair of Graduate Committees	2	27
Chair of International MS Graduate Committees		4
Member of Master's Committees		11
Member of PhD Committees	2	22
International PhD thesis examiner	1	22
Undergraduate Research Students	1	73
Highschool students (science fair and senior projects)		12

Publications (reverse chronological order)

Book Chapters

Le Marchand L, Sivaraman L, Seifried A, Lum A, Franke AA, Custer LC and **Nerurkar PV**. 1998. Gene-diet interaction and the high colorectal cancer risk of Japanese Americans. Proceedings of the UICC Symposium on *Familial Cancer and Prevention-Molecular Epidemiology: A new Strategy Towards Cancer Control*. John Wiley & Sons.

Refereed Journal Publications (Selected)

* Corresponding author, ^aMinority student, ^bUndergraduate student, ^cGraduate student

Nerurkar PV*, ^aYokoyama, J, ^aIchimura K, ^aKutscher S, ^aWong J, Bittenbender, H.C., Deng, Y. (2023) Medium roasting and brewing methods differentially modulate global metabolites, lipids, biogenic amines, minerals, and antioxidant capacity of Hawai'i-grown coffee (*Coffea arabica*). *Metabolites*, Mar 10;13(3):412. doi: 10.3390/metabo13030412.

Nerurkar PV*, Gandhi, K and Chen J.J. (2021) Correlations between coffee consumption and metabolic phenotypes, plasma folate, and vitamin B12: NHANES 2003 to 2006. *Nutrients* 13 (4), 1348 -1366. <https://www.mdpi.com/2072-6643/13/4/1348>

Nerurkar PV*, ^a, ^bOrias, D, ^a, ^bSoares, N, Kumar, M. and Nerurkar, V.R. (2019) *Momordica charantia* (Bitter melon) modulates adipose inflammasome gene expression and adipose-gut inflammatory crosstalk in high-fat diet (HFD)-fed mice. *J Nutritional Biochem*, 68: 16-22 <https://doi.org/10.1016/j.jnutbio.2019.03.003>.

Kunde DA, Chong WC, **Nerurkar PV**, Ahuja KD, Just J, Smith JA, Guven N, Eri RD. (2017) Bitter melon protects against ER stress in LS174T colonic epithelial cells. *BMC complementary and alternative medicine*, 17(1):2, doi: 10.1186/s12906-016-1522-1.

Invited Review: **Nerurkar PV***, Hwang, P^c. and Saksa, E^c. (2015) Anti-Diabetic Potential of Noni: The Yin and The Yang. *Molecules*, Sep 25;20(10):17684-719.

Kumar, M., Roe, K., **Nerurkar PV**, Orillo, B., Thompson, K.S., Verma, S. and Nerurkar, V.R. (2014) Reduced immune cell infiltration and increased neuroinflammation in type 2 diabetic mice infected with West Nile virus. *J Neuroinflammation* Apr 21;11(1):80. PMID: 24750819.

Rajamoorthi A, Shrivastava S, Steele R, **Nerurkar P**, Gonzalez JG, Crawford S, Varvares M and Ray RB. Bitter Melon Reduces Head and Neck Squamous Cell Carcinoma Growth by Targeting c-Met Signaling. *PLoS One*. 2013 Oct 17;8(10):e78006. doi: 10.1371/journal.pone.0078006.

Nerurkar PV*, ^cNishioka A, ^a, ^cEck PO, Johns LM, Volper E and Nerurkar VR: Regulation of glucose metabolism via hepatic forkhead transcription factor 1 (FoxO1) by *Morinda citrifolia* (noni) in high-fat diet-induced obese mice. *British J Nutr* 2012, 108(2): 218-228.

Kumar M, Roe K, **Nerurkar PV**, Namekar M, Orillo B, Verma S and Nerurkar VR: Impaired virus clearance, compromised immune response and increased mortality in type 2 diabetic mice infected with West Nile virus. *PLoS One*, 2012, 7(8): e44682.

Ru P, Steele R, **Nerurkar P**, Phillips NJ and Ray RB. Bitter melon extract impairs prostate cancer cell cycle progression and delays prostatic intraepithelial neoplasia in TRAMP model. *Cancer Prev Res (Phila)*. 2011

- 4(12): 2122-30. doi: 10.1158/1940-6207.CAPR-11-0376. Epub 2011 Sep 12.
- ^cSnee SL, Nerurkar VR, Dooley DA, Efird JT, Shovic AC and **Nerurkar PV***. Strategies to improve palatability and increase consumption intentions for *Momordica charantia* (bitter melon): a vegetable commonly used for diabetes management. *Nutr J*. 2011 Jul 28;10:78. doi: 10.1186/1475-2891-10-78. PMID: 21794176
- Nerurkar PV***, Johns LM, ^a, ^cBuesa LM, ^a, ^cKipyakwai G, Volper E, ^cSato R, ^bShah P, Feher D, Williams PG, Nerurkar VR. *Momordica charantia* (bitter melon) attenuates high-fat diet-associated oxidative stress and neuroinflammation. *Journal of Neuroinflammation*. 2011, Jun 3;8(1):64.
- Ray RB, Choudhuri A, Steele R and **Nerurkar P**. Bitter melon (*Momordica charantia*) extract inhibits breast cancer cell proliferation by modulating cell cycle regulatory genes and promotes apoptosis. *Cancer Res*. 2010 Mar 1;70(5):1925-31. Epub 2010 Feb 23. PMID: 20179194
- Nerurkar P** and Ray RB. Bitter melon: antagonist to cancer. *Pharm Res*. 2010 Jun;27(6):1049-53. Epub 2010 Mar 3. PMID: 20198408.
- Nerurkar PV***, ^cLee YK, ^a, ^bMotosue M, Adeli K, Nerurkar VR: *Momordica charantia* (bitter melon) reduces plasma apolipoprotein B-100 and increases hepatic insulin receptor substrate and phosphoinositide-3 kinase interactions. *British J Nutr* 2008, 100(4): 751-759.
- Invited Commentary: **Nerurkar PV***, Nerurkar VR: Can Sir(2) regulate cancer? *Cellscience* 2008, 4(4): 50-56.
- Invited Featured Review. **Nerurkar PV***, Nerurkar VR: Respected Sir(2): magic target for diabetes. *Cellscience* 2008, 4(4): 82-96.
- Nerurkar PV***, ^c Lee YK and Nerurkar VR. *Momordica charantia* (bitter melon) inhibits primary human adipocyte differentiation by modulating adipogenic genes. *BMC Complementary and Alternative Medicine* 2010, 10:34.
- Lim ST, Dragull K, Tang CS, Bittenbender HC, Efird JT, **Nerurkar PV***. Effects of kava alkaloid, pipermethystine, and kavalactones on oxidative stress and cytochrome P450 in F-344 rats. *Toxicological Sciences* 2007, 97(1): 214-221.
- Nerurkar PV***, ^cLee YK, ^a, ^bLinden EH, ^cLim S, Pearson L, Frank J and Nerurkar VR. Lipid lowering effects of *Momordica charantia* (bitter melon) on cellular lipids and apolipoproteins in protease inhibitor-treated human hepatoma cells. *British J Pharmacol*, 2006; 148:1156-1164.
- ^aGan H and **Nerurkar PV***. Fresh fruits for cardiovascular disease: Effects of fruit juices on the expression of CD36 and LDL-R in human monocytic cells, U937. *Ethnicity and Diseases*. 2005; 15: 107-108.
- Nerurkar PV***, Pearson L, Efird J, Adeli K, Theriault A. and Nerurkar VR. Inhibition of microsomal triglyceride transfer protein (MTP) gene expression and ApoB secretion by bitter melon in HepG2 Cells. *Journal of Nutrition*, 2005; 135: 702-706.
- Nerurkar PV***, Dragull KD, Tang CS. Kava-associated hepatic toxicities: kava alkaloids and mitochondrial dysfunction. *Toxicological Sciences* 2004; 79:106-111.
- Nerurkar PV***, Pearson L, Frank JE, Yanagihara R, Nerurkar VR. HAART-associated lactic acidosis: In vitro effects of combination of nucleoside analogues and protease inhibitors on mitochondrial function and lactic acid production. *Cellular and Molecular Biology* 2003; 49:1205-1211.
- Le Marchand L, Hankin JH, Pierce LM, Sinha R, **Nerurkar PV**, Franke A, Wilkens LP, Kolonel LN, Donlon T, Seifried A., Custer L.J., Lum-Jones A., Chang W. Well-done red meat, metabolic phenotypes and colorectal cancer in Hawaii. *Mutation Research*, 2002; 205: 506-507.
- Nerurkar PV***, Shikuma C. and Nerurkar VR. Sterol regulatory element-binding proteins and reactive oxygen species: potential role in highly-active antiretroviral therapy (HAART)-related lipodystrophy and associated metabolic disorders. *Clinical Biochemistry*, 2001; 34: 519-129.
- Nerurkar PV**, ^aOkinaka L, ^aAoki C, Seifried A, Lum-Jones A, Wilkens LR and Le Marchand L. *CYP1A1*, *GSTM1* and *GSTP1* genetic polymorphisms and urinary 1-hydroxypyrene excretion in non-occupationally exposed individuals. *Cancer Epidemiology, Biomarkers and Prevention*, 2000; 9: 1119-1122.
- Josyula S, Lu WL-J, Salazar JJ, **Nerurkar PV**, Jones A.B., Grady J.J., Snyderwine E. and Anderson L.M. DNA adducts of 2-amino-3-methylimidazo[4,5-f]quinoline (IQ) in fetal tissue of patas monkeys after transplacental exposure. *Toxicology and Applied Pharmacology*, 2000; 116: 151-160.
- Hecht SS, Trushin N, Chhabra S, Anderson LM, and **Nerurkar PV**. Metabolism of 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK) in cultured monkey lung tissue. *Drug Metabolism and Disposition*, 2000; 28: 5-9.
- Nerurkar PV**, Le Marchand L. and Cooney RC. Effects of marinating with Asian marinades or Western barbecue sauce on PhIP and MeIQx formation in barbecued beef. *Nutrition and Cancer*, 1999; 34: 147-152.
- Nerurkar PV**, Schut HAJ, Anderson LM, Riggs CW, Fornwald LW, Snyderwine EG, Thorgeirsson SS, Weber WW, Rice JM. and Levy GN. *Ahr* Locus phenotype in congenic mice influences hepatic and pulmonary DNA adduct levels of 2-amino-3-methylimidazo[4,5-f]quinoline (IQ) in the absence of cytochrome P450 induction. *Molecular Pharmacology* 1996; 49: 874-881.

Anderson, LM, Chhabra, SK, **Nerurkar, PV**, Souliotis, VL. and Kyrtopoulos, SA. Alcohol-related cancer risk: A toxicokinetic hypothesis. *Alcohol* 1995; 12: 97-104.

Nerurkar PV, Schut HAJ, Anderson LM, Riggs CW, Snyderwine EG, Thorgeirsson SS, Weber WW, Rice JM. and Levy GN. DNA adducts of 2-amino-3-methylimidazo[4,5-f]quinoline (IQ) in colon, bladder and kidney of congenic mice differing in *Ah*-responsiveness and N-acetyltransferase genotype. *Cancer Research* 1995; 55: 3043-3049.

Nerurkar PV, Park SS, Thomas PE, Nims RW and Lubet RA. Methoxyresorufin and benzyloxyresorufin: substrates preferentially metabolized by cytochrome P4501A2 and 2B, respectively, in the rat and mouse. *Biochemical Pharmacology* 1993; 46: 933-943.

Nerurkar PV, Anderson LM, Snyderwine EG, Park SS, Thorgeirsson SS. and Rice JM. Specific induction of hepatic cytochrome P4501a-2 in C57BL/6 and DBA/2 mice treated with 2-amino-3-methylimidazo[4,5-f]quinoline (IQ). *Journal of Biochemical Toxicology* 1990; 8:175-185.

Leadership Roles (Selected Committees, Boards, Advisory, etc.)

2021	International reviewer for Indian Women Scientist Association (IWSA)-Jaihind College Student Internship Program, India
2021	Organizing Committee Member, Nerurkar PV. Global Summit and Expo on Food Science and Technology (GSFST2022) March 17-19, 2022 in Dubai, UAE.
2021	Member of Graduate Council Course Committee, UH
2020 – present	Excellence in Academic Advising (EAA) Phase II, Student Learning Outcome (SLO) Best Practices Project Subcommittee, UH
2021 – present	EAA Phase III, Curriculum Committee - Assessment Subcommittee, UH
2019 - 2020	Invited, Guest Editor for special issue of PLoS ONE and PLoS ONE Medicine on “Obesity”.
2019 – present	Member of: “Student Purpose and Pathways committee”
Fall 2019	Member of faculty promotion committee (FPC), Microbiology, College of Natural Sciences, UH
2018	Member of CTAHR instructional work policy
2016 – present	JABSOM Biomed symposia judge
2016 – 2018	Member of the LUCE Scholarship Program.
2016	Search committee member for “CTAHR Dean” position, nominated by MBBE Dept. Chair
2014 – present	Grant reviewer, Accelerating Excellence in Translational Science (AXIS), Charles Drew University of Medicine and Science
2014 – Present	Invited, Editorial Board Member: Journal of Evidence-Based Complementary and Alternative Medicine
2014 – Present	Invited, Editorial Board Member: Journal of Diabetes Research
2014 – present	M.S. and Ph.D., Poster and Oral session judge for CTAHR symposium, UHM, Honolulu, HI
2014 – present	Oral session Judge, Undergraduate Research and Creative Work Honors Program & Undergraduate Research Opportunities Program
2013 – Present	Invited, International Editorial Board Member: Journal of Integrative and Ayurvedic Medicine
2013 – Present	Undergraduate Research Opportunity Program (UROP) Board Member
2013 – Present	Editorial Board, Journal of Medicinal Plants
2013 – 2018	Strategic Plan Committee Ph.D. Funding Working Group, University of Hawaii.
2013	Member of University Tenure and Promotion Review Committee (TPRC)
2012 – Present	Invited, Academic Editor, PLoS ONE
2011 – present	International, External Ph.D. thesis examiner
2010 – present	Faculty reviewer for undergraduate student partial tuition waiver application (Undergraduate Academic Affairs committee, ASU), University of Hawaii.
2010 – present	Member of the Radiation Safety Committee (RSC), University of Hawaii.
2008	Member of the Council on Academic Program Reviews, University of Hawaii.
2006 – 2016	Member of the Institutional Animal Care and Use Committee (IACUC) , University of Hawaii.
2003 – present	Member of Institution Review Board (IRB), Committee on Human Studies, University of Hawaii.
2011-2012	International Advisory Board Member. <i>International Conference on Chemical Sciences</i> ,

Colombo, Sri Lanka, June 20-22, 2012.
 2011 – present Research Center for Minority Institutions (RCMI) abstract review committee, RCMI International Symposium on Health Disparities.

Grant Support (current)

1. Title of Grant: *Empowering Women and Underrepresented Undergraduates with Advanced Technology Research Training in Agriculture and Food Sciences*
Source of Grant: AFRI-NIFA (Competitive Grants)
Total Dollar Value (Your share of the grant value): \$500,000
Dates of Grant: 04/01/21 – 03/31/26
Role: PI
2. Title of Grant: *Beneficial and Adverse Effects of Natural, Bioactive Dietary Chemicals on Human Health and Food Safety*
Source of Grant: USDA, CSREES
Dates of Grant: 10/01/22 to 9/30/27
Role: PI (Multi-PI)

Presentations at Conferences (selected from over 250 abstracts)

*Abstract presenter, ^aMinority student, ^bUndergraduate student and ^cGraduate student

National and International meetings (selected)

1. Oral presentation, **Nerurkar, PV***. Microbiota of fermented foods (kimchi). W4122 – NIMSS Annual Meeting, Calistoga Hot Springs Resort, Calistoga, CA, Oct 12-13, 2023
2. Oral presentation, **Nerurkar, PV***. Updates from Hawaii. Global and targeted metabolomics of Hawaii-grown macadamia nuts. W42122 Annual Meeting; Denver, Colorado, Oct 7 – 8, 2020, Virtual Meeting by Zoom
3. Oral presentation, **Nerurkar, PV***. Global and targeted metabolomics of Hawaii-grown cacao. W4122 – NIMSS Annual Meeting, Estes Park, Colorado, September 25 – 27, 2019.
4. Keynote/Plenary Speaker, **Nerurkar PV***: *Momordica charantia* (Bitter melon) improves colon inflammation and gut barrier integrity in high-fat diet (HFD)-fed mice. *International Conference on Diabetes & Phytotherapy (ICDP)*, Annamalai University, Chidambaram, Tamil Nadu, India, August 18 – 20, 2018
5. Oral presentation, **Nerurkar, PV***. Health benefits of coffee and metabolomics of noni juices. W4122 – NIMSS Annual Meeting, Calistoga, CA. Oct 3-5, 2018
6. Oral presentation, **Nerurkar, PV***. Comparing anti-diabetic effects of laboratory-based and commercial noni juices. W-3122 Multi-State Group: Beneficial and Adverse Effects of Natural Chemicals on Human Health and Food Safety. Annual Meeting, October 8-9, 2015, Calistoga, California
7. Oral presentation, **Nerurkar, PV***. Targeting Adipose & Gut Inflammation for Obesity-Associated T2D Management. October 9-10th 2014, Antonia Boardroom, Casa Munras Hotel and Spa, Monterey, CA.
8. Session Moderator and oral presentation, **Nerurkar PV***, Kumar M and Nerurkar VR. Differential expression of microRNA and neuroinflammatory target mRNA profiles in diabetic mouse brains. *Third Biennial Western Regional IDeA Scientific Conference*, Honolulu, HI, October 6-8, 2013.
9. Rajamoorthi A*, Steele R, **Nerurkar P** and Ray R. Bitter melon extract prevents head neck cancer growth by modulating c-Met signaling pathway. *American Association for Cancer research and Japanese Cancer Association Joint International Conference* entitled “Breakthroughs in Basic and Translational Cancer Research”, Maui, Hawaii, February 21 – 25, 2013.
10. Oral presentation, **Nerurkar PV***. Fermented Noni Juice Inhibits Breast Cancer Cell Proliferation by Regulating Inhibitors of Apoptosis Proteins (IAPs). *Annual W3122 Meeting*, Snowbird, UT, Oct 9 -10, 2013

11. Plenary Speaker, **Nerurkar PV***. Alternate Approach to the Management of Diabetes. *THE 2012 HOBART SYMPOSIUM. Update on the Origins and Management of Disease*, Clinical School, University of Tasmania, Collins Street, Hobart, 6th October, 2012.
12. Oral presentation, **Nerurkar PV***. Targeting Inflammation & ER Stress for Diabetes Management. *W3122 Annual Meeting*, Estes Park Inn, Rocky Mountain, CO, Oct 25, 2012.
13. ^{a, b}Soares N* and **Nerurkar PV**. *Momordica charantia* (Bitter Melon) Reduces Systemic and Adipose Tissue Inflammation in High-Fat Diet (HFD)-Fed Mice. *Society for Advancement of Chicanos and Native Americans in Science*, Seattle, Washington, October 11 – 14, 2012.
14. Oral presentation, **Nerurkar PV***, Johns LM, ^{a, c}Buesa LM, ^{a, c}Kipyakwai G, Volper E, ^cSato R, ^bShah P and Nerurkar VR. Attenuation of high-fat-diet-induced neuroinflammation by *Momordica charantia*. *The Society on NeuroImmune Pharmacology*, 17th SNIP Conference, Clearwater Beach, FL, April 6 – 10, 2011.
15. Oral presentation, ^{a, c}Kipyakwai GK* and **Nerurkar PV**. Salutary effect of bitter melon on lipidemia via liver AMPK regulation. *Experimental Biology Conference*, Washington DC., April 9-13, 2011
16. Oral presentation, ^cHwang P* and **Nerurkar PV**. Anti-carcinogenic effects of *Morinda citrifolia*. *2nd Annual International Breast Cancer and Nutrition Symposium*. Rennes, France, October 2011.
17. Oral presentation, **Nerurkar PV***. *Morinda citrifolia* (noni) inhibits hepatic toll-like receptor 4 (TLR4) in high-fat diet (HFD)-fed mice. *W2122 Annual Meeting*, Calistoga, CA, Oct 12-14, 2011.
18. **Nerurkar PV***, ^{a, b}Soares N, Weir T, and Nerurkar VR. *Momordica charantia* (Bitter melon) modulates gut microbiota and reduces intestinal inflammation in high-fat diet (HFD) fed mice. *Keystone Symposia on Molecular and Cellular Biology*, New Delhi, India, November 7-11, 2011.
19. ^{a, b}Soares N* and Nerurkar PV. Effects of *Momordica charantia* (bitter melon) on adipose tissue inflammation in high-fat diet (HFD)-fed mice. *Annual Biomedical Research Conference for Minority Students*, St. Louis, Missouri, November 9-12, 2011.
20. Plenary Speaker and Session Co-chair, **Nerurkar PV***. Targeting Inflammation & ER Stress for Diabetes Management. *2nd World Congress on Diabetes & Metabolism*, Philadelphia, PA, December 6-8, 2011.
21. Oral presentation, **Nerurkar PV*** and Nerurkar VR. Perilipin: Anti-Obesity Target for Alternative Therapies. *FASEB Summer Research Conference, 11756 - Lipid Droplets: Metabolic Consequences of the Storage of Neutral Lipids*. Steamboat Grand Resort Hotel & Conference Center, Steamboat Springs, Colorado, 2010
22. Oral presentation, **Nerurkar PV***. *Morinda Citrifolia* (Noni) Inhibits Hepatic Gluconeogenesis via Increased Phosphorylation of Forkhead Transcription Factor (FoxO1). W2122 Multistate annual meeting, Casa Munras, Monterey, CA October 21-22, 2010
23. Oral presentation, **Nerurkar PV***. *Morinda Citrifolia* (Noni) Inhibits Hepatic Gluconeogenesis via Increased Phosphorylation of Forkhead Transcription Factor (FoxO1). W2122 Multistate annual meeting, Casa Munras, Monterey, CA October 21-22, 2010
24. Plenary Speaker, **Nerurkar PV***. Anti-Diabetic Mechanisms of Ayurvedic Medicine, *Momordica charantia* (Bitter Melon). *International Conference On Multidisciplinary Approaches to Diabetes Research & Health*, Jaipur, India, November 14-16, 2010.
25. Oral Presentation, **Nerurkar PV***, Lee-Y-K and Nerurkar VR. *Momordica charantia* (Bitter Melon) Inhibits Primary Human Adipocyte Differentiation by Modulating Adipogenic genes *Experimental Biology*, Anaheim, CA, April 24-28, 2010
26. Oral Presentation, **Nerurkar PV***. Sirt1-PPAR γ Interactions: Anti-Obesity Target of Alternative Therapies. *12th RCMI International Symposium on Health Disparities*, Nashville, TN, Dec 6 – 9, 2010.
27. Oral Presentation, ^aKipyakwai GK* and **Nerurkar PV**. Salutary effects of bitter melon on lipidemia via hepatic AMPK regulation. *12th RCMI International Symposium on Health Disparities*, Nashville, TN, Dec 6 – 9, 2010.
28. Poster discussion, ^cSato R*, ^{a, c}Buesa LM and **Nerurkar PV**. Mechanisms associated with anti-obesity effects of *Emblca officinalis* (amla). *12th RCMI International Symposium on Health Disparities*, Nashville, TN, Dec 6 – 9, 2010.
29. Oral presentation, **Nerurkar PV***, ^{a, c}Kipyakwai G and ^cIvey M. Effects of *Momordica charantia* (Bitter Melon) on Hepatic ER Stress in High-Fat Diet-Fed Mice. *He Huliau*, Annual Meeting, Honolulu, HI May 2010.
30. Oral presentation, **Nerurkar PV***, ^{a, c}Eck P and ^bShah P. Modulation of Human Cytochrome P450 by *Momordica charantia* (Bitter Melon). *He Huliau: A Turning Point Eliminating Health Disparities in Native and Pacific Peoples*. February 5-7, 2009, Hilton Orange County, Costa Mesa, CA.
31. Oral presentation, **Nerurkar PV***, ^cLee YK, Adeli K and Nerurkar VR. *Momordica charantia* (bitter melon) improves hepatic insulin signaling. *ASBMB Annual Meeting*, San Diego, CA, April 4-6, 2008
32. Oral presentation, **Nerurkar PV***, ^cLee Y-K and Nerurkar VR. *Momordica Charantia* (Bitter Melon) Improves

Adipose Tissue Insulin Signaling in Mice Fed a High-Fat-Diet (HFD). *11th RCMI International Symposium on Health Disparities*, Honolulu, HI, Dec 2008.

33. Oral presentation, **Nerurkar PV***, ^cLee YK, Nerurkar VR and Frank J. Intrauterine exposure to nucleoside analogue reverse transcriptase inhibitors (NRTI) induces oxidative stress and impaired glucose tolerance in adult mice offspring. 1st Biennial National IDeA Symposium of Biomedical Research Excellence (NISBRE), July 21-22, 2006, Washington DC.
34. Oral presentation, **Nerurkar PV***, ^cLim S, Dragull K and Tang CS. Loss of mitochondrial function in human hepatoma cells, HepG2, treated with kava alkaloid, pipermethystine. *International Kava Conference 2004*, November 30 – December 2 2004, Pacific Islands Forum Secretariat (PIFS), Suva Fiji.
35. Oral presentation, **Nerurkar PV***, Pearson L, Frank JE, Yanagihara R, and Nerurkar VR. Mitochondrial Membrane Potential and HAART-Associated Lactic Acidosis. *10th Conference on Retroviruses and Opportunistic Infections*, Boston, MA, February 10-14, 2003.

Local Meetings (Selected)

36. ^{b, c}De Peralta, K and **Nerurkar, P.V.** Influence of Geographical Location (O’ahu, Hawai’i) on Total Polyphenols in *Moringa oleifera*. UROP symposium, May, 2025, Honolulu, HI.
37. ^bZamani, N. . and **Nerurkar, P.V.** Kimchi and its mineral contents. UROP symposium, July, 2022, Honolulu, HI.
38. ^bPilger, D. and **Nerurkar, P.V.** Effect of fermentation on resistant starch in traditional Hawaiian-foods. UROP symposium, Dec, 2021, Honolulu, HI.
39. ^bPilger, D., ^bChu, C. and **Nerurkar, P.V.** Effects of lemon grass on seed germination, biomass and food spoilage. SURE symposium, July 31, 2020, Honolulu, HI.
40. ^cStillwell, N.*, Bittenbender, H.C. and **Nerurkar, P.V.** Effects of Hawaiian-grown coffee on adipocytokines among healthy individuals. CTAHR Symposium April 2019, Honolulu, HI.
41. ^bKutscher, S.*, ^bWang, L. and **Nerurkar, PV.** MBBE/CTAHR, University of Hawaii, Honolulu, HI 96822 2017 *Morinda citrifolia* (noni) juice improves tissue-specific inflammation in high-fat diet-fed mice. CTAHR Symposium April 2017, Honolulu, HI.
42. ^bKutscher, S.* and **Nerurkar, PV.** Effect of *Morinda citrifolia* (noni) juice on insulin receptor signaling in high-fat diet-fed mice. UROP Symposium 2017, UROP Symposium May 2017, Honolulu, HI.
43. ^cMilla, C.*, ^bIchimura, K., ^bKutscher, S. and **Nerurkar, PV.** Effects of Hawaiian Coffee on Plasma Glucose and Antioxidant Capacity in Healthy Individuals. CTAHR Symposium April 2017, Honolulu, HI.
44. ^bWang, L.*, ^{b, c}Ann-Baker, L. and **Nerurkar, PV.** Effect of Fermented Noni Juice on Plasma Leptin Levels in High-Fat Diet-Fed Mice. CTAHR Symposium April 2017, Honolulu, HI
45. ^cSaksa, E* and **Nerurkar, PV.** Effects of fermented noni juice on adipose inflammation in high-fat diet-fed mice. CTAHR Annual symposium 2015
46. Kumar M*, Roe K, **Nerurkar PV**, Orillo B, Thompson KS, Verma S and Nerurkar VR. Type 2 diabetes in mice impairs immune cell infiltration and neuroinflammation after West Nile virus infection. *Third Biennial Western Regional IDeA Scientific Conference*, Honolulu, HI, October 6-8, 2013.
47. Kumar M*, Roe K, **Nerurkar PV**, Orillo B, Thompson KS, Verma S and Nerurkar VR. Reduced immune cell infiltration and increased neuroinflammation in type 2 diabetic mice infected with West Nile virus. *2013 Biomedical Sciences Symposium*, JABSOM, University of Hawaii at Manoa, Honolulu, HI, April 8-9, 2013.
48. ^{a, b}Soares N* and **Nerurkar PV.** *Momordica charantia* (Bitter melon) reduces systemic and Adipose Tissue Inflammation in High-Fat Diet (HFD)-Fed Mice. *Tropical Conservation Biology and Environmental Science Research Symposium*, University of Hawai’i at Hilo, Hilo, Hawai’i, April 12-13, 2012.
49. ^cLee Y-K*, Nerurkar VR, Frank J and **Nerurkar PV.** *In vitro* and *in vivo* effects of highly active antiretroviral therapy on reverse cholesterol transport. *Annual Biomedical Sciences Symposium*, John A. Burns School of Medicine, University of Hawaii, Honolulu, HI, March 13, 2007.
50. ^cLim S* and **Nerurkar PV.** Mechanisms of Kava-Associated Hepatic Toxicity. *Biomedical Sciences Symposium*, John A. Burns School of Medicine, University of Hawaii, April 29, 2006.
51. ^cLee YK*, Nerurkar VR, Frank J and **Nerurkar PV.** In utero exposure to combivir induces oxidative stress in adult mice offspring. *He Huliau: A Turning Point Eliminating Health Disparities in Native Hawaiians & Pacific Peoples: Cardiovascular Disease*, May 4-6, 2006, Kapolei, HI.