

CURRICULUM VITAE

RACHEL NOVOTNY

Human Nutrition, Food and Animal Science Department (15%I, 85%R)
College of Tropical Agriculture and Human Resources
University of Hawaii at Manoa

EDUCATION

- 1986 PhD, Cornell University, Ithaca, NY. Major: International Nutrition. Minors: Epidemiology/Population Studies and Anthropology. Dissertation: Preschool Child Feeding, Health, and Nutritional Status in Highland Ecuador.
- 1982 MS, Cornell University, Ithaca, NY. Major: International Nutrition. Minor: Anthropology. Thesis: Maternal and Infant Nutritional Status During Exclusive Breast-feeding in the Lake Titicaca Region, South America.
- 1978 BA, Beloit College, Beloit, WI. Major: Environmental Biology. Senior Thesis: Breast Milk Consumption by Infants in Puriscal, Costa Rica.

LICENSES

- 2013-present Licensed Dietitian, State of Hawaii, USA.
- 1990-present Registered Dietitian and Nutritionist, License No. 723122, American Academy of Nutrition and Dietetics.

PROFESSIONAL POSITIONS

- 2024 Sabbatical (Aug-Dec) – Children’s Healthy Living Center of Excellence -Visiting Lectures and Collaborations - London School of Hygiene and Tropical Medicine, OsloMet University, University of Iceland, Tufts University.
- 2002–present Member - Cancer Center, University of Hawaii
- 2000–present Professor (tenured), Department of Human Nutrition, Food and Animal Science, College of Tropical Agriculture and Human Resources, University of Hawaii. 25% Teaching, 75% Research in global nutrition.
- 1996- present Graduate Faculties- MS and PhD Nutritional Sciences, PhD Epidemiology, Public Health- University of Hawaii at Manoa.
- 2016- 2017 Interim Dean and Director of Research and Cooperative Extension, College of Tropical Agriculture and Human Resources, University of Hawaii at Manoa.
- 2013- present Chair, Nutritional Sciences Graduate Program, University of Hawaii at Manoa.
- 2006- 2008 Director, Kaiser Permanente Center for Health Research, Hawaii, Honolulu, HI; and Associate Director, Kaiser Permanente Center for Health Research (Northwest Region).
- 2005–2006 Sabbatical, Visiting Professor. Food and Agriculture Organization, Rome, and meetings with other international nutrition groups in Europe and South Africa.
- 2002–2005 Department Chair. Department of Human Nutrition, Food and Animal Sciences, College of Tropical Agriculture and Human Resources. 70%Administration, 5% Teaching, 20% Research in human nutrition.
- 1998 Sabbatical (July-December), Cancer Research Center of Hawaii, Honolulu.

- 1995–1999 Associate Professor (tenured). Department of Food Science and Human Nutrition, College of Tropical Agriculture and Human Resources. 50% Teaching, 50% Research in area of social, cultural and international aspects of nutrition.
- 1990–1994 Assistant Professor, Department of Food Science and Human Nutrition, College of Tropical Agriculture and Human Resources. 50% Teaching, 50% Research in area of social, cultural and international aspects of nutrition.
- 1988–1989 Post-Doctoral Fellow, Maternal-Child Health Program, School of Public Health, University of Hawaii at Manoa, US Public Health Service, Maternal Child Health Block Grant. Research, teaching and technical assistance to the Pacific Basin on maternal-child health
- 1986–1987 Director of Sub-office and Project Manager, CARE-Dominican Republic, Barahona sub-office. Administered office of 27 employees and managed U.S. AID-funded operations research project to test strategies for appropriate use of food aid in health and development.
- 1983–1984 Nutritional Anthropologist, NSF grant, highland Ecuador. Ethnographic, survey and anthropometric work on factors affecting preschool child health status.
- 1980–1985 Graduate Assistant, Division of Nutritional Sciences, Cornell University, Ithaca, NY. Research and teaching on international maternal-child nutrition.
- 1981 Field Investigator. Puno, Peru. Maternal-infant nutritional status during exclusive breast-feeding. NSF, McKee L PI.
- 1979–1980 Research Technologist II, Department of Neonatal Biology, University of Washington, Seattle, WA. Managed laboratory, performed blood gas analyses and assisted in animal surgery regarding hyaline membrane disease.
- 1979 Phlebotomist and Medical Interviewer, Puget Sound Blood Center, Seattle, WA.
- 1978 Field Investigator, Instituto de Investigaciones en Salud, San José, Costa Rica. Test-weighted infants for breast milk consumption in Puriscal, Costa Rica.
- 1976 Research Supervisor, U.S. Army Corps of Engineers, Rock Island, IL. Supervised microbiological water quality analysis for an environmental inventory.

TEACHING EXPERIENCE

COURSES TAUGHT IN FOOD SCIENCE AND HUMAN NUTRITION, UH (13 courses taught multiple times, with first date course taught)

- Community Nutrition FSHN 493 (4 credits) Spring 1990
- Lifespan Nutrition FSHN 470 (2 credits) Spring 1991
- Seminar in Nutritional Sciences FSHN 681 (1 credit) Spring 1991
- Directed Reading and Research FSHN 699 (variable credit) Spring 1991
- Human Needs and Wants FSHN 250 (3 credits) Spring 1993
- Topics in Food, Agriculture and Nutrition FSHN 499 (3 credits) Summer 1994
- Topics in Nutritional Sciences FSHN 682 (2 credits) Fall 94
- Nutritional Assessment FSHN 467/389 (1 credit) Spring 1995
- Progress in Human Nutrition FSHN 685 (2 credits) Spring 1997
- Thesis Research FSHN 700 (1 credit) Spring 1997
- Field Experience FSHN 492 (4 credits) Fall 1997
- Nutritional Epidemiology FSHN 631 (2 credits) Fall 2009
- Dissertation Research FSHN 800 (1 credit) Fall 2009

COURSES TAUGHT AT SCHOOL OF PUBLIC HEALTH, UNIVERSITY OF HAWAII

Directed Reading, PH 699, (variable credit) University of Hawaii, Fall 1989

Child Survival Interventions: Theory and Practice, PH 797, Spring 1989

Issues and Concepts in MCH, PH 647, Fall 1988

PUBLICATIONS

PEER-REVIEWED JOURNAL ARTICLES (190)

- 2025 Hovmand PS, Franck K, Butel J, Galbreath J, Esquivel M, Coleman P, Aflague T, Shallcross L, Ogland-Hand C, Oshiro J, Belyeu-Camacho T, Sikes A, **Novotny R**. Developing Group Model Building Workshops for Children's Healthy Living (CHL) Food Systems, *Current Developments in Nutrition*, 9: 104583. <https://doi.org/10.1016/j.cdnut.2025.104583> CHL Project
- 2025 Butel J, Yamanaka A, Shallcross L, Fleming T, Coleman P, Aflague T, **Novotny R**. Availability of Locally Produced Foods in the Children's Healthy Living Program. *Hawai'i Journal of Health & Social Welfare*, February 2025, vol 84, No. 2;38-43. <https://doi.org/10.62547/XKGV4981> CHL Project
- 2024 Thordottir I, Gudmannsdottir R, **Novotny R**, Odinsdottir T, Thorisdottir B. Greenhouse Gas Emissions From Icelandic Children's Diets – Implications for Food Based Dietary Guidelines for Children. P20-101-24. *Current Developments in Nutrition* 8 Suppl 2.
- 2024 **Novotny R**, Dela Cruz R, Yamanaka A, Butel J, Oshiro J, Wilkens L, Franck K, Shallcross L, Coleman P, Aflague T, Fleming, Shvetso Y, Ing C, Hovmand. Regional Causal Loop Diagram With Action Ideas for Improving Child Diet Quality and Weight Status in the Children's Healthy Living food systems (CHLFS) Program. P19-023-24. *Current Developments in Nutrition* 8 Suppl 2. CHL Project
- 2024 Seale LA, Yamanaka AB, Hammond K, Lim E, Wilkens LR, McFall P, Aflague TA, Coleman P, Fleming T, Shallcross L, Deenik J, **Novotny R**. Dietary micronutrient intake and the prevalence of metabolic conditions among children from the US-affiliated Pacific region in the Children's Healthy Living Program, *Current Developments in Nutrition*, <https://doi.org/10.1016/j.cdnut.2024.104531> CHL Project
- 2024 Jacobs J, Wolfenden L, Bolton KA, Brown V, Sultana M, Backholer K, Allender S, **Novotny R**, Peeters A, Nichols M. Umbrella review of systematic reviews to inform the development and translation of community-based childhood obesity prevention interventions. *Obesity Reviews*. 2024;e13864. doi:[10.1111/obr.13864](https://doi.org/10.1111/obr.13864). PMID: 39579030

- 2024 Chong KH, Suesse T, Cross PL, Ryan ST, Aadland E, Aoko O, Byambaa A, Carson V, Chaput JP, Christian H, Cliff DP, De Craemer M, de Lucena Martins CM, Delisle Nyström C, Draper CE, El Hamdouchi A, Florindo AA, Guan H, Ha AS, Hamzavi Zarghani N, Hesketh KD, Hossain MS, Jajat J, Kim T, Koh D, Kontsevaya AV, Kuzik N, Leppänen MH, Löf M, Lubree H, Meredith-Jones K, Mwase-Vuma TW, Ng JYY, **Novotny R**, Nusurupia JJ, Pham BN, Poh BK, Reilly JJ, Staiano AE, Sultoni K, Tanaka C, Tang HK, Taylor RW, Tomaz SA, Tremblay MS, Trost SG, Turab A, Vale S, Wickramasinghe VP, Okely AD. Pooled Analysis of Physical Activity, Sedentary Behavior, and Sleep Among Children From 33 Countries. *JAMA Pediatr.* 2024 Sep 30. doi: 10.1001/jamapediatrics.2024.3330. Epub ahead of print. PMID: 39348138.
- 2024 Sparks KS, Fialkowski MK, Dela Cruz R, Grandinetti A, Wilkens L, Banna JC, Bersamin A, Paulino Y, Aflague T, Coleman P, Deenik J, Fleming T, **Novotny R**. Acculturation and Health Status in the Children's Healthy Living Program in the Pacific Region. *International Journal of Environmental Research and Public Health.* 2024; 21(4):448. <https://doi.org/10.3390/ijerph21040448>. PMID: 38673359 CHL Project
- 2024 Ryan, S. T., Okely, A. D., Chong, K. H., Stanley, R. M., Randle, M., Waqa, G., Yamanaka, A. B., Guerrero, R. L., Coleman, P., Shallcross, L., Wilkens, L. R., Deenik, J. L., & **Novotny, R.** (2024). Proportion and Correlates of Children in the US-Affiliated Pacific Region Meeting Sleep, Screen Time, and Physical Activity Guidelines. *Journal of Physical Activity and Health* (published online ahead of print 2024). Retrieved Mar 27, 2024, from <https://doi.org/10.1123/jpah.2023-0463>. PMID: 38531347 CHL Project
- 2024 Sultana M, Nichols M, Jacobs J, Karacabeyli D, Allender S, **Novotny R**, Brown V. The range of outcomes and outcome measurement instruments collected in multisectoral community-based obesity prevention interventions in children: A systematic review. *Obesity Reviews.* 2024; 1-20. doi:[10.1111/obr.13731](https://doi.org/10.1111/obr.13731). PMID: 38432682
- 2023 Dela Cruz R, Galbreath J, Butel J, Yamanaka AB, Wilkens LR, Aflague T, Coleman P, Shallcross L, McFall P, **Novotny R**. Social determinants of health literacy among parents and caregivers in the US-Affiliated Pacific. *Health Promot Int.* 2024 Feb 1;39(1):daae002. doi: 10.1093/heapro/daae002. PMID: 38294036; PMCID: PMC10828926. CHL Project
- 2023 Ing CT, Clemens B, Ahn HJ, Kaholokula JK, Hovmand PS, Seto TB, **Novotny R**, Food Insecurity and Blood Pressure in a Multiethnic Population. *Int. J. Environ. Res. Public Health* 2023, 20, 6242. <https://doi.org/10.3390/ijerph20136242>. CHL Project. PMID: 37444090
- 2023 Taren D, Alaofè H, Yamanaka AB, Coleman P, Fleming T, Aflague T, Shallcross L, Wilkens L, **Novotny R**. Diet and Acanthosis Nigricans over a Two-Year Period in Children of the Pacific Region. *Nutrients* 2023, 15, 2718.

<https://doi.org/10.3390/nu15122718>. doi: 10.3390/nu15122718. PMID: 37375623
CHL Project

- 2023 Esquivel MK, Aflague TF, Yamanaka AB, Guerrero RTL, Coleman P, Fialkowski MK, Shallcross L, Fleming T, Davis J, Boushey CJ, Wilkens LR, Braun K, **Novotny R**. Children's Dietary Intake by Early Care and Education Setting in the US Affiliated Pacific. *J Nutr Educ Behav*. 2023 Jun;55(6):437-446. doi: 10.1016/j.jneb.2023.03.002. Epub 2023 Apr 5. PMID: 37029080; PMCID: PMC10353568. CHL Project
- 2023 Smith T, Chong KH, Cross, P, Ipil M, Eliou P, **Novotny R**, Okely AD. Prevalence and socio-demographic distributions of meeting RMI Guidelines for Healthy Living among elementary school children in Majuro, Republic of Marshall Islands: a cross-sectional population-based survey. *The Lancet Regional Health-Western Pacific*. <https://doi.org/10.1016/j.lanwpc.2023.100783>
- 2023 Hingle M, Short E, Aflague T, Boushey C, Butel B, Coleman P, Deenik J, Fleming T, Olfert M, Shallcross L, Wilkens LR, **Novotny R**, Food Security is Associated with Higher Diet Quality Among Children of the US Affiliated Pacific Region, *The Journal of Nutrition*, <https://doi.org/10.1016/j.tjnut.2023.01.015>. CHL Project.
- 2022 Shvetsov YB, Wilkens LR, White KK, Chong M, Buyum A, Badowski G, Leon Guerrero RT, **Novotny R**. Prediction of breast cancer risk among women of the Mariana Islands: the BRISK retrospective case-control study. *BMJ Open*. 2022 Dec 9;12(12):e061205. doi: 10.1136/bmjopen-2022-061205. PMID: 36600333; PMCID: PMC9743286. BRISK Project
- 2022 Loo BKG, Okely A, Taylor R, **Novotny R**, Wickramasinghe P, Müller-Riemenschneider F, Gade G, Pulungan A, Kusuda S, Tan KH, Asia–Pacific 24-Hour Activity Guidelines for the Early Years Asia–Pacific consensus statement on integrated 24-hour activity guidelines for the early years Committee <https://www.ncbi.nlm.nih.gov/sites/myncbi/rachel.novotny.1/bibliography/5459964/public/?sort=date&direction=ascending> The Lancet Regional Health -Western Pacific 2022;100641Published Online <https://doi.org/10.1016/j.lanwpc.2022.100641> PMID: 36785856; PMCID: PMC9918766.
- 2022 **Novotny R**, Yamanaka AB, Dela Cruz R, Strasburger S, Boushey CJ, Butel J, Esquivel M, Aflague TF, Fleming T, Coleman P, Deenik J, Shallcross L, Wilkens LR. Food Group, Macronutrient Intake, and Metabolic Status in the US-Affiliated Pacific's Children's Healthy Living (CHL) Program. *Journal of Nutrition*, Volume 152, Issue 12, December 2022, Pages 2898–2912, CHL Project. PMID: 35927738
- 2022 Yamanaka AB, Strasburger S, Chow C, Butel J, Wilkens L, Davis JD, Deenik J, Shallcross L, **Novotny R**. Food and Physical Activity Environment in the US-Affiliated Pacific Region: The Children's Healthy Living Program. *J Nutr Educ Behav*. 2022 Nov 11:S1499-4046(22)00489-4. doi: 10.1016/j.jneb.2022.08.009. Epub ahead of print. PMID: 36372662. CHL Project.

- 2022 Dela Cruz R, Wolfe E, Yonemori KM, Fialkowski MK, Wilkens LR, Coleman P, Lameko-Mua S, Johnson E, Gilmatam D, Sigrah C, Shomour M, Remengesau S, Alfred J, Acosta M, Ettienne R, Deenik J, Aflague TF, Nelson R, Salazar KA, **Novotny R**, Boushey CJ. Consumption of Traditional Fruits and Vegetables among Children in the US-Affiliated Pacific Region. *Curr Dev Nutr*. 2022 Jun 16;6(7):nzac101. doi: 10.1093/cdn/nzac101. PMID: 35854938; PMCID: PMC9283104. CHL Project
- 2022 **Novotny R**, Yamanaka A, Butel J, Boushey CJ, Dela Cruz R, Aflague T, Coleman P, Shallcross L, Fleming T, Wilkens LR. Maintenance Outcomes of the Children's Healthy Living Program on Overweight, Obesity, and Acanthosis Nigricans Among Young Children in the US-Affiliated Pacific Region: A Randomized Clinical Trial. *JAMA Netw Open*. 2022;5(6):e2214802. doi:10.1001/jamanetworkopen.2022.14802 CHL Project PMID: 35666503
- 2022 Kai J, Chen JJ, Braun KL, Kaholokula JK, **Novotny R**, Boushey CJ, Fialkowski MK*Associations between cultural affiliations, household membership and diet quality among Native Hawaiian, Pacific Islander, and Filipino infants in Hawai'i. *Children*. **2022**, 9(1), 48; <https://doi.org/10.3390/children9010048> PMID: 35053673
- 2021 Taren D, Akseer N, Davis CD, Miller JW, Moustaid-Moussa N, **Novotny R**, Slupsky CM, Saroja Voruganti V, Cameron JM. Eighty years of nutritional sciences, and counting. *Nutr Rev*. 2021 Dec 8;80(1):1-5. doi: 10.1093/nutrit/nuab112. PMID: 34891168.
- 2021 Bailey RL, Ard JD, Davis TA, Naimi TS, Schneeman BO, Stang JS, Dewey KG, Donovan SM, **Novotny R**, Snetselaar LG, de Jesus J, Casavale KO, Pannucci T, Stoody EE. A Proposed Framework for Identifying Nutrients and Food Components of Public Health Relevance in the Dietary Guidelines for Americans. *J Nutr*. 2021 May 11;151(5):1197-1204. doi: 10.1093/jn/nxaa459. PMID: 33693925; PMCID: PMC8324230. US Dietary Guidelines Committee.
- 2021 English LA, Ard JD, Bailey RL, Bates M, Bazzano L, Boushey C, Brown C, Butera G, Callahan EH, de Jesus J, Mattes RD, Mayer-Davis EJ, **Novotny R**, Obbagy JE, Rahavi EB, Sabate J, Snetselaar L, Stoody E, Van Horn L, Venkatramanan S, Heymsfield SB. Evaluation of Dietary Patterns and All-Cause Mortality: A Systematic Review. *JAMA Network Open*. 2021 Aug 2;4(8):e2122277. USDietary Guidelines Committee. PMID: 34463743
- 2021 Nevins JE, Donovan SM, Snetselaar L, Dewey KG, **Novotny R**, Stang J, Taveras EM, Kleinman RE, Bailey RL, Raghavan R, Scinto-Madonich SR. Omega-3 fatty acid dietary supplements consumed during pregnancy and lactation and child neurodevelopment: a systematic review. *The Journal of Nutrition*. 2021 Nov;151(11):3483-94, <https://doi.org/10.1093/jn/nxab238>. US Dietary Guidelines Committee. PMID: 34383914

- 2021 Yamanaka AB, Davis JD, Wilkens LR, Hurwitz EL, Fialkowski MK, Deenik J, Guerrero RT, **Novotny R**. Determination of Child Waist Circumference Cut Points for Metabolic Risk Based on Acanthosis Nigricans, the Children's Healthy Living Program. Preventing Chronic Disease. 2021;18.2021;18:210021. DOI:<https://doi.org/10.5888/pcd18.210021>CHL project. PMID: 34166179
- 2021 Dewey KG, Pannucci T, Casavale KO, Davis TA, Donovan SM, Kleinman RE, Taveras EM, Bailey RL, **Novotny R**, Schneeman BO, Stang J, de Jesus J, Stoody EE. Development of Food Pattern Recommendations for Infants and Toddlers 6-24 Months of Age to Support the Dietary Guidelines for Americans, 2020-2025. J Nutr. 2021 Oct 1;151(10):3113-3124. doi: 10.1093/jn/nxab201. PMID: 34195834; PMCID: PMC10918427. US Dietary Guidelines Committee.
- 2021 **Novotny R**, Earle ME, Jung YO, Julian GJ, Hill E, Leon Guerrero RT, Coleman P, Deenik J, Boushey C, Wilkens LR. University of Hawai'i Cancer Center Connection: Pacific Tracker (PacTrac) Version 3.1 Diet and Physical Activity Assessment Tool for the Pacific Region. Hawaii J Health Soc Welf. 2021 Jul;80(7):165-168. PMID: 34278324; PMCID: PMC8280357. CHL project.
- 2021 Butel J, Braun KL, Davis J, Bersamin A, Fleming T, Coleman P, Leon Guerrero R, **Novotny R**. Community Social Network Pattern Analysis: Development of a Novel Methodology Using a Complex, Multi-Level Health Intervention. Gateways: International Journal of Community Research and Engagement. 2021: Vol. 14, No. 1 May. CHL project.
- 2021 Schneeman BO, Ard JD, Boushey CJ, Bailey RL, **Novotny R**, Snetselaar LG, de Jesus JM, Stoody EE. Perspective: Impact of the National Academy of Sciences, Engineering, and Medicine Report on the Process for the 2020 Dietary Guidelines Advisory Committee. Adv Nutr. 2021 Jul 30;12(4):1051-1057. doi: 10.1093/advances/nmab023. PMID: 33734285; PMCID: PMC8382515. US Dietary Guidelines Committee.
- 2020 Donovan S, Dewey K, **Novotny R**, Stang J, Taveras E, Kleinman R, Raghavan R, Nevins J, Scinto-Madonich S, Kim JH, Terry N, Butera G, Obbagy J. Dietary Patterns during Lactation and Postpartum Weight Loss: A Systematic Review [Internet]. Alexandria (VA): USDA Nutrition Evidence Systematic Review; 2020 Jul. PMID: 35263068. US Dietary Guidelines Committee.
- 2020 Donovan S, Dewey K, **Novotny R**, Stang J, Taveras E, Kleinman R, Spill M, Kim JH, Nevins J, Raghavan R, Scinto-Madonich S, Butera G, Terry N, Obbagy J. Folic Acid from Fortified Foods and/or Supplements during Pregnancy and Lactation and Health Outcomes: A Systematic Review [Internet]. Alexandria (VA): USDA Nutrition Evidence Systematic Review; 2020 Jul. PMID: 35289987. US Dietary Guidelines Committee.
- 2020 Mayer-Davis E, Leidy H, Mattes R, Naimi T, **Novotny R**, Schneeman B, Kingshipp BJ, Spill M, Cole NC, Butera G, Terry N, Obbagy J. Alcohol Consumption and All-

Cause Mortality: A Systematic Review [Internet]. Alexandria (VA): USDA Nutrition Evidence Systematic Review; 2020 Jul. PMID: 35353467. US Dietary Guidelines Committee.

- 2020 Mayer-Davis E, Leidy H, Mattes R, Naimi T, **Novotny R**, Schneeman B, Kingshipp BJ, Spill M, Cole NC, Bahnfleth CL, Butera G, Terry N, Obbagy J. Beverage Consumption During Pregnancy and Birth Weight: A Systematic Review [Internet]. Alexandria (VA): USDA Nutrition Evidence Systematic Review; 2020 Jul. PMID: 35349234. US Dietary Guidelines Committee.
- 2020 Mayer-Davis E, Leidy H, Mattes R, Naimi T, **Novotny R**, Schneeman B, Kingshipp BJ, Spill M, Cole NC, Butera G, Terry N, Obbagy J. Added Sugars Consumption and Risk of Cardiovascular Disease: A Systematic Review [Internet]. Alexandria (VA): USDA Nutrition Evidence Systematic Review; 2020 Jul. PMID: 35353466. US Dietary Guidelines Committee.
- 2020 Mayer-Davis E, Leidy H, Mattes R, Naimi T, **Novotny R**, Schneeman B, Kingshipp BJ, Spill M, Cole NC, Bahnfleth CL, Butera G, Terry N, Obbagy J. Beverage Consumption and Growth, Size, Body Composition, and Risk of Overweight and Obesity: A Systematic Review [Internet]. Alexandria (VA): USDA Nutrition Evidence Systematic Review; 2020 Jul. PMID: 35349233. US Dietary Guidelines Committee.
- 2020 Donovan S, Dewey K, **Novotny R**, Stang J, Taveras E, Kleinman R, Raghavan R, Nevins J, Scinto-Madonich S, Terry N, Butera G, Obbagy J. Dietary Patterns during Lactation and Developmental Milestones, including Neurocognitive Development, in the Child: A Systematic Review [Internet]. Alexandria (VA): USDA Nutrition Evidence Systematic Review; 2020 Jul. PMID: 35258872. US Dietary Guidelines Committee.
- 2020 Donovan S, Dewey K, **Novotny R**, Stang J, Taveras E, Kleinman R, Raghavan R, Nevins J, Scinto-Madonich S, Kim JH, Terry N, Butera G, Obbagy J. Dietary Patterns during Pregnancy and Gestational Weight Gain: A Systematic Review [Internet]. Alexandria (VA): USDA Nutrition Evidence Systematic Review; 2020 Jul. PMID: 35258871. US Dietary Guidelines Committee.
- 2020 Donovan S, Dewey K, **Novotny R**, Stang J, Taveras E, Kleinman R, Raghavan R, Nevins J, Scinto-Madonich S, Kim JH, Terry N, Butera G, Obbagy J. Dietary Patterns during Pregnancy and Gestational Weight Gain: A Systematic Review [Internet]. Alexandria (VA): USDA Nutrition Evidence Systematic Review; 2020 Jul. PMID: 35258871. US Dietary Guidelines Committee.
- 2020 Donovan S, Dewey K, **Novotny R**, Stang J, Taveras E, Kleinman R, Nevins J, Raghavan R, Scinto-Madonich S, Venkatramanan S, Butera G, Terry N, Obbagy J. Omega-3 fatty acids from Supplements Consumed before and during Pregnancy and Lactation and Developmental Milestones, Including Neurocognitive Development, in the Child: A Systematic Review [Internet]. Alexandria (VA): USDA Nutrition

Evidence Systematic Review; 2020 Jul. PMID: 35289988. US Dietary Guidelines Committee.

- 2020 Korn AR, Butel J, Davis J, Yamanaka AB, Coleman P, Wilkens LR, Economos CD, **Novotny R**. Role of social ecological model level on young Pacific children's sugar-sweetened beverage and water intakes: Children's Healthy Living intervention. Public Health Nutr. 2020 Nov 25;1-6. doi: 10.1017/S1368980020004796. Epub ahead of print. PMID: 33234187. CHL Project
- 2020 Leon Guerrero R, Barber LR, Aflague T, Paulino Y, Hattori-Uchima M, Acosta M, Wilkens L, **Novotny R**. Prevalence and Predictors of Overweight and Obesity Among Young Children in the Children's Healthy Living Study on Guam. Nutrients 2020, 12, 2527; doi:10.3390/nu12092527. PMCID:PMC7551370 CHL Project.
- 2020 Badowski G, Simsiman B, Bordallo R, Green M, Shvetsov YB, Wilkens LR, **Novotny R**, Leon Guerrero RT. Cumulative Incidence rates of Breast Cancer by age for Filipinos and Chamorros in Guam. Hawaii Journal of Health & Social Welfare, June 2020:79(6). Supplement 2, pgs 40-44. BRISK Project.
- 2020 Greenberg JA, Luick B, Alfred JM, Barber LR, Bersamin A, Coleman P, Esquivel M, Fleming T, Leon Guerrero RT, Hollyer J, Johnson EJ, **Novotny R**, Remengesau SD, Yamanaka Y. The Affordability of a Thrifty Food Plan-based Market Basket in the United States-affiliated Pacific Region. Hawaii Journal of Health and Social Welfare JULY 2020, VOL 79, NO 7;17-23. CHL Project.
- 2020 Aflague TA, Leon Guerrero RT, Delormier T, **Novotny R**, Wilkens LR, Boushey CJ. Examining the Influence of Cultural Immersion on Willingness to Try Fruits and Vegetables Among Children in Guam: the Traditions pilot study. Nutrients. 2020, 12, 18; doi:10.3390/nu12010018. CHL Project.
- 2019-2020 Fialkowski MK, Calabrese A, Banna JC, Lin M-F G, **Novotny R**, Stewart M. Student Perception of a Placed-Based Online Introductory Nutrition Course for the Pacific. NACTA Journal, 50-57.
- 2019 Butel J, Braun KL, Nigg CR, Davis J, Boushey C, Leon Guerrero R, Bersamin A, Coleman P, Fleming T, **Novotny R**. Implementation Strategies and Barriers to Native Hawaiian and Other Pacific Islanders Community Interventions: A Cross-Case Study of the Children's Healthy Living Program. Asian American Journal of Psychology. Vol. 10, No. 3, 282–291 1948-1985/19, <http://dx.doi.org/10.1037/aap0000135>. CHL Project.
- 2019 Butel J, Braun KL, Nigg CR, Leon Guerrero R, Fleming T, Bersamin A, Coleman P, **Novotny R**. Estimating intervention dose of the multilevel multisite children's healthy living program intervention. TBM 2019:1–9, doi: 10.1093/tbm/ibz073. CHL Project

- 2018 Gittelsohn J, **Novotny R**, Trude ACB, Butel J and Mikkelsen BE. "Challenges and lessons learned from multi-level multi-component interventions to prevent and reduce child obesity," *Int J Environ Res Public Health*. 2018 Dec 24;16(1). pii: E30. doi: 10.3390/ijerph16010030. CHL Project
- 2018 **Novotny R**, Davis J, Butel J, Boushey CJ, Fialkowski MK, Nigg DR, Braun KL, Leon Guerrero RL, Coleman P, Bersamin A, Areta A, Barber LR, Belyeu-Camacho T, Greenberg J, Fleming T, Delacruz-Talbert E, Yamanaka A, Wilkens LR. Effect of the Children's Healthy Living program on Young Child overweight, obesity and acanthosis nigricans in the US affiliated Pacific region: a randomized controlled trial. *JAMA Network Open*. 2018;1(6):E183896. DOI:10.1001/JAMAnetworkopen.2018.3896 CHL project.
- 2018 Endrizal C, Fialkowski MK, Davis J, Yuan S, **Novotny R**, Delormier T, Rodriguez B. Dietetics Practice in the Unique, Culturally Diverse Pacific Island Region. *Hawai'i Journal of Medicine & Public Health*. June. Volume 77, No. 6, 135-143.
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- 2012 Oshiro C, Grove J, **Novotny R.** Birth Size, Gestational Age, and BMI at Age 5y, HMO Research Network, March.

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Conference “Biodiversity and Sustainable Diets”, Norwich, England, UK, Sept. (oral).

- 2011 Ahmed A, Daida YG, **Novotny R**. Micronutrient Deficiencies after Bariatric Surgery: Does Ethnicity Matter? HMORN Research Network. Boston, March.
- 2011 Paulino Y, **Novotny R**, et al. Areca nut use is associated with obesity and arthritis in Guam: results from the 2007 Behavioral risk factor surveillance system”, 3rd North American Congress of Epidemiology, Montreal, June 21-24 (poster).
- 2011 Maskarinec G, Morimoto Y, Daida YG, Shepherd JA, **Novotny R**. Breast density using DXA in adolescent girls and their mothers. Breast densitometry workshop, San Francisco, June.
- 2011 Maskarinec G, Morimoto Y, Daida YG, Shepherd JA, **Novotny R**. DXA imaging as a research tool to investigate breast development in adolescents (oral), 35th annual meeting of the American Society of Preventive Oncology, Las Vegas, NV, Mar.
- 2011 Sidney S, et al. “Nine-year trends in the annual rate of hospitalized stroke in the cardiovascular research network, 2000-2008.(oral) American Heart Association Nutrition, Physical Activity and Metabolism/Cardiovascular Disease Epidemiology and Prevention meeting, Atlanta, March 22-25.
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- 2011 Sidney S, et al. “Nine-Year trends in the annual rate of hospitalized heart failure in the cardiovascular research network (CVRN):2000-2008. American Heart Association Nutrition, Physical Activity and Metabolism/Cardiovascular Disease Epidemiology and Prevention meeting, Atlanta, March 22-25 (poster).
- 2010 Vijayadeva V, **Novotny R**, et al. “Association of Leptin Receptor Gene Polymorphisms with Body Fat Distribution in Multiethnic Adolescent Girls of Hawaii” Experimental Biology, Anaheim CA (poster).
- 2010 Daida Y, **Novotny R**. Infant feeding patterns of multiethnic mothers Experimental Biology, Anaheim, CA (poster).
- 2010 Oshiro C, Grove J, **Novotny R**. Asian ancestry and birth length are associated with height among females during adolescence, Experimental Biology, Anaheim, CA (poster).

- 2010 **Novotny R**, et al. Food and nutrient intakes of Native Hawaiian, Filipino and White Children and their caregivers. Experimental Biology, Anaheim, CA (poster).
- 2010 Reynolds K, Adams KF, Cassidy-Bushrow AE, Fortmann SP, Go AS, Goldberg RJ, Gunter MJ, Gurwitz JH, Magid DJ, McNeal CJ, Newton KM, **Novotny R**, Quesenberry Jr CP, Waring SC, Sidney S. Nine-year trends in the annual rate of hospitalized acute myocardial infarction in the cardiovascular research network (CVRN), 2000-2008, American Heart Association.
- 2010 **Novotny R**, Daida Y, Morimoto Y, Shepherd J, Maskarinec G. Breast Density In Multiethnic Adolescent Girls. 16th Annual HMO Research Network Conference, March 21-24, Austin, TX (oral).
- 2009 Vogt TM, Williams AE, Stevens VJ, Albright C, Nigg C, **Novotny R**, Meenan R. Reducing Obesity in Worksites: Final Results of the Work, Weight, and Wellness (3W) Program. HMO Research Network, Danville PA, April (poster).
- 2009 **Novotny R**, Vijayadeva V, Grove J, Daida YG, LeMarchand L. Lower birth weight, greater bi-iliac breadth and Asian ancestry are associated with greater central obesity in adolescent girls in Hawaii. 19th International Congress of Nutrition, Oct. 4-9, Bangkok. Annals of Nutrition & Metabolism 55 (Supp 11):99 (oral).
- 2009 Paulino Y et al. "Dental and dietary correlates of children in the Commonwealth of the Northern Mariana Islands (CNMI)" Experimental Biology 2009 (poster).
- 2009 Epplein N, **Novotny R**, Daida Y, Vijayadeva V, Le Marchand L. Maternal and intrauterine hormone-related exposures and daughter's age at menarche in a multiethnic population in Hawaii. AACR Conference on The Science of Cancer Health Disparities, Carefree, AZ, February 3-6, 2009 (poster).
- 2008 **Novotny, R**. "Fruit Intake for Healthy Body Size in the Pacific Region". **(Invited)** Tropical Fruits in Human Nutrition & Health Conference, Couran Cove, Australia, Nov. 8, 2008 (oral).
- 2008 Osborne DL, Weaver C, McCabe LD, McCabe GM, **Novotny R**, Boushey C, Savaiano DA. "Assessing the relationship between skin pigmentation and measures of bone strength in adolescent females living in Hawaii." (77th Annual Meeting of the American Association of Physical Anthropologists, Columbus, OH, April 11, 2008 (oral).
- 2008 Y.C. Paulino, P. Coleman, N.H. Davison, S.K. Lee, T.B. Camacho, L.F. Tenorio, S. Murphy and **R. Novotny**. Food and nutrient intakes of children in the Commonwealth of Northern Mariana Islands. Annual Meeting of FASEB, San Diego. April 5-9 (poster).

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- 2007 **Novotny R**, Coleman P, Tenorio L, Davison N, Camacho T, Ramirez V. Acanthosis nigricans among Pacific Islander children in the Commonwealth of the Northern Marianas. Experimental Biology, Washington, D.C., April 2007 (poster).
- 2007 **Novotny R**. "Introduction to panel discussion - Measuring race and ethnicity." 13th Annual HMO Research Network Conference, Portland, OR, March 19-21, 2007 (oral).
- 2007 **Novotny R**. "The BLEND Methodology to Examine Health Behavior and Risk among Female Adolescents of Multiple Ethnicities in Hawaii." 13th Annual HMO Research Network Conference, Portland, OR, March 19–21, 2007 (oral).
- 2006 **Novotny R**, Coleman P, Tenorio L, Davison N, Camacho T, Ramirez V, Daniggelis E, Vijayadeva V, Untalan P, Tudela M. "Breast feeding is associated with lower risk of overweight among children of the Northern Mariana Islands." Experimental Biology, San Francisco, CA (poster).
- 2006 Oshiro C, Vijayadeva V, Daida Y, **Novotny R**, Grove J, LeMarchand L. "Protein intake is positively associated with waist circumference in female adolescents." Experimental Biology, San Francisco, CA (poster).
- 2006 Daida Y, **Novotny R**, Grove J, LeMarchand L, Vijayadeva V. "Birth weight is negatively associated with dxa trunk to periphery fat ratio of multiethnic adolescent girls." Experimental Biology, San Francisco, CA (poster).
- 2006 Gittelsohn J, Ramirez V, Lee JS, Higa A, Blitz C, Davison N, **Novotny R**, Murphy S, Daniggelis E, Vijayadeva V. "Food preparation and psychosocial factors affect dietary intake in native Hawaiian communities: Baseline results from the Healthy Foods Hawaii Intervention." Experimental Biology, San Francisco, CA (poster).
- 2006 Osborne DL, Weaver C, Teegarden D, Van Loan M, **Novotny R**. Investigating variation in cross-sectional geometry at the hip in adolescent girls. Human Biology Association (poster).
- 2006 Sookyung Lee, Song Yi Park, Caryn Oshiro, **R. Novotny**. "Negative association between dietary calcium intake and body fat of Koreans in Hawaii" (poster) Annual Meeting of FASEB, San Francisco. April 1-5.
- 2005 Binkley N, **Novotny R**, Krueger D, Kawahara-Baccus T, Daida YG, Gemar D, Lensmeyer G, Drezner MK. Inadequate Vitamin D status despite abundant sun

exposure. (oral) American Society of Bone Mineral Research, Nashville, TN, October.

- 2005 Bovill, M, Kemmer T, **Novotny R**, Davison N, Gerber AS, Ah Ping I, Wang M, Block G. “Chronic disease risk factors: Comparison of children in American Samoa.” (poster) US National Health and Nutrition Examination Survey (NHANES). International Congress of Nutrition, Durban, South Africa, September.
- 2005 Murphy S, **Novotny R**, Blitz C, Au D. Expanding the Cancer Research Center of Hawaii’s Food Composition Table for Use in Other Pacific Islands. (oral) Oceaniafoods 2005, New Zealand.
- 2005 Le Marchand L, **Novotny R**, Grove JS, Kaaks R, Daida YG, Vijayadeva V. Nutritional and genetic determinants of early puberty. (oral/poster) Era of Hope 2005, Department of Defense Breast Cancer Research Program Meeting, Philadelphia, PA.
- 2005 Weaver CM, McCabe LD, McCabe GM, **Novotny R**, VanLoan M, Going S, Boushey C, and the Act Research Team. “Bone mineral and predictors of whole body, total hip and lumbar spine for 745 early pubertal white, Hispanic, and Asian girls.” Experimental Biology, San Diego, CA, April.
- 2005 Vijayadeva V, **Novotny R**, Daida YG, Grove J. “Lifestyle and health characteristics of Samoan women in Hawaii.” (poster) Global Public Health Conference, Honolulu, HI, June.
- 2005 Daniggelis E, Ramirez V, Davison N, Gittelsohn J, **Novotny R**. “Development of a food system program to improve healthy food options in Hawaii.” (oral) Global Public Health Conference, Honolulu, HI, June.
- 2005 Daida Y, **Novotny R**, Vijayadeva V. “Sugared soda intake and physical activity among female Samoan college students influence trunk to peripheral fat ratio.” (poster) He Huliau – A Turning point eliminating health Disparities in Native Hawaiians and Pacific Peoples: Obesity 2005. Ihilani Resort, Kapolei, Hawaii.
- 2005 Vijayadeva V, **Novotny R**, Daida Y, Grove J, LeMarchand L. “Anthropometric measurements are an inexpensive but effective method to predict Dual energy X-ray absorptiometry’s assessment of percent body fat in adolescent girls. (poster) ” He Huliau – A Turning point eliminating health Disparities in Native Hawaiians and Pacific Peoples: Obesity 2005. Ihilani Resort, Kapolei, Hawaii.
- 2005 Bovill M, Kemmer T, **Novotny R**, Davison N, Gerber AS, Ping IA, Block G, Wang M, Sabry Z. “Chronic disease risk factors: Comparison of children in American Samoa to US.” (poster) National Health and Nutrition Examination Survey, (NHANES), IUNS, Durban, South Africa, September.

- 2005 **Novotny R**, Daida Y, Grove J, LeMarchand L, Vijayadeva V. “Isoflavone intake is negatively and Asian ethnicity is positively associated with bone mineral content of female adolescents.” (poster) IUNS, Durban, South Africa, September.
- 2005 **Novotny R**, Murphy S, Blitz C, Davison N, Oshiro C, Au D, Daida Y. “The Pacific Tracker (PacTrac); A unique dietary assessment system utilizing a food composition table for the Pacific Islands.” (poster) 6th International Food Data Conference, Pretoria, South Africa, September.
- 2005 Murphy S, **Novotny R**, Blitz C, Au D. “Expanding the Cancer Research Center of Hawaii’s Food Composition Table for use in other Pacific Islands.” (oral) Oceaniafoods, New Zealand, April.
- 2005 **Novotny R**, Going S, Teegarden D, Van Loan M, McCabe G, McCabe L, Daida Y, and the ACT Research Team. “Asian, Hispanic and white adolescent body size, composition and fat distribution.” (oral) Experimental Biology, San Diego, CA, April.
- 2005 **Novotny R**, Daida Y, Grove J, LeMarchand L, Vijayadeva V. “Calcium intake predicts DXA body fat and waist circumference of multiethnic adolescent girls.” Experimental Biology, San Diego, CA.
- 2005 Going S, **Novotny R**, McCabe G, McCabe LD, Teegarden D, Lohman T, VanLoan M. “Relationship of body mass index to percent fat in Asian, Hispanic and non-Hispanic adolescent girls.” (oral) Experimental Biology, San Diego, CA, April.
- 2005 Teegarden D, **Novotny R**, Van Loan M, Going S, Read M, McCabe G, McCabe L, Boushey C, the ACT Research Team. “Calcium intake and body fat measures in adolescent girls.” (oral) Experimental Biology, San Diego, CA, April.
- 2005 Boushey CJ, Auld G, **Novotny R**. Factors associated with consumption of calcium rich food among Asian, Hispanic, and non-Hispanic White adolescents. Experimental Biology 2005, San Diego, CA, March 31-April 5, 2005.
- 2005 Dietary patterns of adolescent girls in Hawaii over a 2-year period. Sookyung Lee, **R Novotny**, Yihe Daida, Vinutha Vijayadeva, Joel Gittelsohn. Annual Meeting of FASEB. April 2005.
- 2005 Ramirez VE. “Healthy Foods Hawaii: Results of formative research for a food system intervention.” (poster) Experimental Biology, San Diego, CA, April.
- 2005 Diet and weight patterns of Chinese, Japanese, Korean and White adults in LA County and Hawaii. SK Lee, LR Wilkens, JF Yamamoto, **R Novotny**, BE Henderson, LN Kolonel. Pacific Global Health Conference. June 15-17, 2005. Honolulu. June 2005.

- 2004 Fruit and vegetables in Hawai'i supermarkets. C Oshiro, N Davison, SK Lee, **R Novotny**, A Huang, Y Daida B Yamashita¹. 28th Annual National Nutrient Databank Conference. June 23-26, 2004, Iowa. June.
- 2004 **Novotny R**, Daida Y, Grove J, LeMarchand L, Vijayadeva V, Amenta Stavar S. "Asian adolescents have higher trunkal:peripheral fat ratio than Whites." (oral) Experimental Biology, Washington, D.C., April.
- 2004 Amenta Stavar S, **Novotny R**, Le Marchand L, Grove J, Daida Y. "Vitamin D receptor gene polymorphism BsmI but not FokI influences BUA bone accrual among adolescent girls in Hawaii." (poster) Experimental Biology, Washington D.C., April.
- 2004 Yang J, Chow E, Auld G, Bock MA, Bruhn C, Gustafson D, Gabel K, Holmes B, Misner S, **Novotny R**, Peck L, Pelican S, Read M, Boushey C. "Dietary supplement use among Asian, Hispanic, and white Adolescents." (poster) ASNS/Experimental Biology, Washington DC, April.
- 2003 Davison NH, Workman RL, Daida YG, **Novotny R**. "Healthy living in the Pacific Islands: Results of a focus group process to define perceptions of health and collaboration." (poster) Global Public Health Conference, Honolulu, HI, June.
- 2003 **Novotny R**, Acharya S, Grove JS, Daida YG, Vogt TM. "Higher dairy intake is associated with lower body fat during adolescence." (poster) ASNS/ Experimental Biology, San Diego, CA, April.
- 2002 **Novotny R**, Daida YG, Vogt TM, Grove JS, Acharya S. "Earlier menarche is associated with formula feeding during infancy." (oral) Eighth RCMI International Symposium on Health Disparities 2002, Honolulu, HI, December.
- 2002 Iwaoka W, **Novotny R**, Brown A, Dooley D, Dunn M, Huang A, Shovic A, Titchenal A, Vincent D. "A multiple-choice exit exam for human nutrition majors: development, implementation, and results. Western Region Teaching Symposium, UC Davis, CA, September.
- 2002 **Novotny R**, Daida YG, Vogt TM, Grove JS, Paperny D, Acharya S. "Asians have earlier menarche but lower dietary calcium intake than whites and no difference in calcaneal broadband ultrasound attenuation." ASNS/Experimental Biology, New Orleans, LA, April.
- 2001 Abikusno N, **Novotny R**. "Assessment of vulnerable families in Indonesian sites of the internally displaced." 17th International Congress of Nutrition, Vienna, Austria, August.

- 2001 Acharya S, **Novotny R**. “Maternal triceps skinfold thickness better than weight in predicting infant birth size.” 17th International Congress of Nutrition, Vienna, Austria, August.
- 2001 **Novotny R**, Goh Y*. “Body fat and pubertal stage are independently associated with bone mass of Asian and Caucasian adolescents.” 17th International Congress of Nutrition, Vienna, Austria, August.
- 2001 Acharya S, **Novotny R**. “Maternal fat loss during pregnancy compensates infant birth size.” CTAHR Student Research Symposium, UH, Honolulu, HI, April (Second Prize- Oral Presentation, MS student).
- 2001 Goh Y, **Novotny R**. “Pubertal stage and body fat predict bone mass among Asian and Caucasian adolescents in Hawaii.” CTAHR Student Research Symposium, UH, Honolulu, HI, April (First Prize- Poster Presentation, Graduate Students).
- 2001 **Novotny R**, Goh Y. “Pubertal stage and body fat predict bone mass among Asian and Caucasian adolescents in Hawaii.” Experimental Biology 2001, Orlando, FL, April.
- 2000 **Novotny R**, Davis J. “Maternal hip size predicts infant birth weight better than maternal height.” Experimental Biology 2000, San Diego, CA, April.
- 2000 Meng L, Maskarinec G, **Novotny R**. “Dietary patterns and mammographic densities in a multi-ethnic population.” American Association of Cancer Research, 91st Annual Meeting, San Francisco, CA, April.
- 1999 **Novotny R**, Han J-S, Biernacke I. “Motivators and barriers to consuming calcium-rich foods among Asian adolescents in Hawaii.” Experimental Biology 1999, Washington, D.C., April.
- 1998 Edwards CL, **Novotny R**, Claybaugh J, Weems C. “Serum prealbumin decreases during pregnancy.” American Dietetic Association, Kansas City, MO, October.
- 1998 **Novotny R**, Davis J, Biernacke I. “Hip width varies by ethnicity, menarcheal age, and adolescent milk consumption.” American Society of Nutritional Science, Experimental Biology 1998, San Francisco, CA, April.
- 1997 **Novotny R**, Davis J, Ross P, Biernacke I. “Maternal pelvic size, as measured by DXA, predicts infant birthweight.” International Union of Nutritional Scientists, Montreal, Quebec, Canada, August.
- 1996 Gans DA, **Novotny R**, Britten PJ, Derrickson JP. “Collaboration between instructional and extension faculty: Research experiences in a senior-level food nutrition course. IFT.

- 1996 Derrickson J, **Novotny R**, Gans D. "Nutrition education with Marriott Educational Services: University of Hawaii at Manoa." Hawaii Dietetic Association, April.
- 1996 Biernacke I, **Novotny R**, Davis J. "The Precision of Pelvic Measurements Using Dual Energy Xray Absorptiometry." CTAHR Student Symposium, University of Hawaii, April.
- 1996 Chan C, Dobbs J, **Novotny R**. "Preliminary study of whole vegetable weights used in the Genesis Food Composition DataBase in comparison with actual weights taken from a supermarket." CTAHR Student Symposium, University of Hawaii, HI, April.
- 1996 **Novotny R**, Ng FL. "Comparison of two dietary methodologies for use in rural Indonesia." American Institute of Nutrition, Washington, D.C., April.
- 1995 Ng FL*, **Novotny R**. "Validity of the 24-hour dietary recall in dietary assessment in Eastern Indonesia." CTAHR Student Research Symposium, University of Hawaii, Honolulu, HI, April. (First Prize- Oral Presentation of Master's student).
- 1995 Gans DA, Britten PJ, **Novotny R**. "Comprehension and use of food labels in urban Honolulu: Integrating Research into a pre-professional undergraduate program." IFT, Anaheim, CA, June.
- 1995 Britten, P., Novotny, R., and Gans, D. Improving Shoppers' Awareness and Understanding of Nutrition Facts Labels. Oral presentation at the Society for Nutrition Education Annual Meeting, Washington, DC, July, 1995.
- 1995 **Novotny R**, J Davis J, Ross R, Wasnich R. "Body fat and blood pressure in a multiethnic population in Hawaii." Experimental Biology '95, American Institute of Nutrition, Atlanta, GA.
- 1994 Davis JW, **Novotny R**, Ross PD, Wasnich RD. "The peak bone mass of Hawaiian, Filipino, Japanese and white women in Hawaii." *Journal of Bone and Mineral Research* 1994; 9(1):8331.
- 1994 **Novotny R**. "Dietary diversity in Eastern Indonesia." Experimental Biology '94, American Institute of Nutrition, Anaheim, CA, April.
- 1993 **Novotny R**, Kieffer E, Mor J. "Factors influencing duration of breastfeeding in Hawaii." American Institute of Nutrition, Experimental Biology '93, New Orleans, LA.
- 1992 Kieffer E, **Novotny R**, Mor J, Thiele M. "Factors influencing infant feeding method choice in a multiethnic population." American Public Health Association, New Orleans, LA.

- 1992 **Novotny R**, Kieffer E, Mor J, Thiele M, Nikaido M. “Infant feeding method choice in a WIC population in Hawaii: Implications for breastfeeding promotion programs.” American Public Health Association, New Orleans, LA.
- 1991 **Novotny R**, Kieffer E, Mor J, Thiele M. “Infant feeding practices of Filipinos born in the US and in the Philippines and living in Hawaii.” Sixth Asian Congress of Nutrition, Kuala Lumpur, Indonesia, September.
- 1991 **Novotny R**, Kieffer E, Mor J, Thiele M. “Factors related to breastfeeding initiation and duration in Hawaii.” Pacific Science Congress, Honolulu, HI, May.
- 1989 **Novotny R**. “Rate of growth in length of Bangladeshi infants.” Fourteenth International Congress of Nutrition, Seoul, South Korea.
- 1984 **Novotny R**. “Hot and cold in illness and health in Gualaceo, Ecuador.” Eighty-third Annual Meeting of the American Anthropological Association, Denver, CO.

INVITED CHAPTER IN BOOK

- 2022 Held S, McCormick A, Simonds V, Braun KB, Linda Burhansstipanov, Emily Haozous, Rangel V, Chung-Do JJ, Ho-Lastimosa I, **Novotny R**, Revilla MKF, Using Community-Based Participatory Research to Address Indigenous Health In: Burhansstipanov L and Braun KL, editors. *Indigenous Public Health: Improvement through Community-Engaged Interventions*. University Press of Kentucky, Lexington, KY. 2022.
- 2018 **Novotny, R.**, F. Li, L. Wilkens, M. Fialkowski, T. Fleming, P. Coleman, R. Leon Guerrero, A. Bersamin, and J. Deenik. Chapter 3. *Economic Influences on Child Growth Status, from the Children’s Healthy Living Program in the US-Affiliated Pacific Region*. In: *WEALTHY BUT UNHEALTHY: Overweight and Obesity in Asia and the Pacific: Trends, Costs, and Policies for Better Health*. Edited by Matthias Helble and Azusa Sato. 2018 Asian Development Bank Institute.
- 2012 **Novotny R**. “Trunk:periphery fat ratio”. In: V.R. Preedy (ed.), *Handbook of Anthropometry: Physical Measures of Human Form in Health and Disease*, DOI 10.1007/978-1-4419-1788-1_52, Springer Science+Business Media, LLC 2011
- 1988 **Novotny R**. Alimentación, salud y estado nutricional del niño preescolar in la sierra ecuatoriana. In: McKee L, Arguello S, eds. *Nuevas Investigaciones Antropológicas Ecuatorianas*. Editorial Abya-Yala, Quito, Ecuador, 1988, pgs. 271-443.

GRADUATE STUDENTS ADVISED (66 total, 23 as Chair)

- Current Raman Raj, PhD Nutritional Sciences.
- Current Fiorenzo Toncan, MS Nutritional Sciences.

- Current Hannah Shai, PhD Nutritional Sciences.
- Current Kristi Hammond, PhD Nutritional Sciences.
- Current Christina Young, PhD Nutritional Sciences.
- Current Jennifer Galbreath, PhD Nutritional Sciences.
- Current Pauline McFall, PhD Nutritional Sciences. Child diet in American Samoa. **Chair** CHL Study
- 2023 Rica Dela Cruz, PhD Public Health. Influences of Childhood Weight Status, Diet, and Physical Activity in the Commonwealth of the Northern Mariana Islands (CNMI). **Chair** CHL Study, Jr. Researcher Univ. Hawaii, T32 Postdoctoral Trainee.
- 2023 Michelle Blas Laguana, PhD Nutritional Sciences. Child food frequency questionnaire for Guam. **Chair**. CHL study. Extension Agent. University of Guam.
- 2020 Ashley Yamanaka, PhD Epidemiology. Examination of Healthy Growth in the US Affiliated Pacific. **Chair**. CHL Study. Currently Asst. Researcher, HNFAS/CTAHR.
- 2019 Aifili Tufa, PhD, Epidemiology. CHL American Samoa: Child obesity and Acanthosis Nigricans. **Chair**. CHL Study. Currently Director of Health, American Samoa, Pago Pago.
- 2015 Angela Techur-Pedro, PhD, Epidemiology. Placental size and birth weight. RMATRIX biospecimen program. **Co-Chair**. RMATRIX study. Currently Investigator with Pacific Islands Health Officers Association.
- 2015 Monica Esquivel, PhD, Nutrition, CHL Hawaii: Wellness Policy Implementation for child obesity prevention in Hawaii. **Chair**. CHL study. Currently Tenured Associate Professor, Nutrition faculty UH.
- 2013 Joanne Avila, MS, Nutritional Sciences, UH. Thesis: Added Sugar in Overweight and Obesity among Multiethnic Children in Hawaii. PacDASH study. **Chair**. PacDASH Study.
- 2012 Caryn Oshiro, PhD, Biomedical Sciences- Epidemiology, UH. Dissertation: Birth Size, Infant Growth, and Child BMI at 5y in a Multiethnic Population. **Chair**. PacDASH study. Currently Investigator, Center for Health Research, Kaiser Permanente Hawaii.
- 2010 Vinutha Viyajadeva, PhD, Biomedical Sciences-Epidemiology, UH. Dissertation: Determinants of Plasma Leptin and Age at Menarche in Adolescent Girls in Hawaii. **Chair**. FAM Study. Currently Physician Mumbai, India.
- 2009 Yvette Paulino, PhD, Biomedical Sciences- Epidemiology, UH. Dissertation: Describing Measuring Variability of ARECA CATECHU (Betel Nut) Chewing in Micronesian

- Populations in Guam. **Co-Chair**. U54 Betel Nut Study. Currently Dean, Health Science faculty, University of Guam.
- 2007 Carrie Martin, MS, Nutritional Sciences, UH. Thesis: Dietary supplement use among children in Hawaii. HLPI: HPCP study. **Co-Chair**. Currently works at USDA, CNPP, Washington DC.
- 2004 Vanessa Nabokov, MS, Nutritional Sciences, UH. Thesis: Samoan women's health assessment. **Chair**. SWHA Study. Currently High School Teacher, California.
- 2004 Samanta Amenta Stavar, MS, Nutritional Sciences, UH. Thesis: Do FokI and BsmI polymorphisms affect bone gain during adolescence? **Chair**. FAM Study. Deceased.
- 2001 Sushama Acharya, MS. Nutritional Sciences, UH, Thesis: Indicators of Maternal Nutritional Status, **Chair**. Currently Professor, North Carolina.
- 2001 Caryn Shima, MS. Nutritional Sciences, UH, Thesis: Calcium Intake of Adolescents in Hawaii, **Chair**. ACT Study. Currently Investigator, Kaiser Permanente Center for Health Research Hawaii.
- 2001 Yee Hwa Goh, MS. Nutritional Sciences, UH, Thesis: Dietary Soy Isoflavone and Bone Mass in Female Adolescents, **Chair**. FAM Study. Currently Investigator, Center for Health Research, Kaiser Permanente Hawaii.
- 1999 Carolyn Chan, MS. Nutritional Sciences, UH, Thesis: The Effects of a High Fruit and Vegetable Diet on Plasma Carotenoids, **Chair**. Currently WIC Nutritionist, Arizona.
- 1999 Christine Edwards, MS. Nutritional Sciences, UH. Thesis: Prealbumin (Transthyretin) Decreases during Pregnancy, **Chair**.
- 1997 Michelle Sparling, MS. Nutritional Sciences, UH, Thesis: The Influence of Modern Diet on BMI in Western Samoans, **Chair**. Currently Dietitian, Wilcox Hospital, Kauai.
- 1994 Fooi Ling (Irene) Ng, MS. Nutritional Sciences, UH, Thesis: Validation of the 24 Hour Dietary Recall for Dietary Assessment of Women in the Village of Lohiatala, Kairatu District, Province of Maluku, Indonesia, **Chair**. Sago Project.
- 1995 Peggy Tang, MPH. Public Health, UH, Project: An Estimation of Dietary Intake Differs with Technique of Implementing the 24-hour Dietary Recall Among Women in Seram, Eastern Indonesia, Field Supervisor. Sago Project.
- 1992 Rachael T. Taitano LeonGuerrero, MS. Nutritional Sciences, UH, Thesis: Validation of a Food Frequency Questionnaire to Estimate Calcium Intake among Pre-menopausal women in Hawaii, **Chair**. Dean, University of Guam, University of Guam.

- 1991 Nugroho Abikusno, MS. Nutritional Sciences, UH, Thesis: Functional Indicators of Women's Nutritional Status in Cilandak, South Jakarta, **Chair**. Medical faculty, Trisakti University. Currently Professor, Trisakti University, Jakarta.

RESEARCH SUPPORT

2025 USDA/NIFA/AFRI Grant# 205-68015-44279 (PI Jean Butel) 0/1/01/2025-12/31/2029; Total \$1,500,000

Pacific Nutrition Hub

The Pacific Nutrition Hub's goal is to enhance nutrition capacity in the US Affiliated Pacific Region (USAPR), through data-driven strategies and professional trainings that are tailored for the area's indigenous populations that are culturally and biologically distinct with native languages, and customs.

Role: Co-PI

2024 **CARES Climate Food Cluster (CARESFOOD)**

Award Amount: \$100,000

Funding Source: USDA Hawaii Hatch Multistate Research (Grewal PF, PI)

Intramural Funding Competition: CTAHR CARES Centers – Hubs of Innovation and Community Prosperity initiative

Funding Period: September 1, 2024 – June 30, 2025

Objective: Collaborate with CARES Centers (CTAHR research stations) to generate nutritional information about locally produced foods that is lacking in the US national databases

Role: PI Rachel Novotny

2023 **Early Childhood Education Obesity Prevention Project**

HEALTH, DEPT-HI, SNAP 23-14

Award: \$49,742

June 16, 2023 - September 30, 2023

Role: PI

2021-2026 **Integrative Center for Precision Nutrition and Human Health.**

NIH NIGMS1P20GM139753-01

PI Marla Berry

Primary Performance Site: University of Hawaii at Manoa

Total Award: \$11 million

12/1/2021 – 11/30/2026

Role: Co-I

2021-2023 **FY21 Thrifty Food Plan- Alaska and Hawaii Data Project.** (CHL Food Cost and Consumption Patterns). USDA-FNS-CNPP-TFP-21-HI-01 Grant/Cooperative

Agreement. PI Novotny Primary Performance Site: UH, 9/30/21-9/30/23.
\$512,529,

Role: PI

2021-2026 **Food System Resilience for Children's Healthy Living (CHL Food Systems):**A Center of Excellence. The major goal of this project is to develop a CHL Food Systems Model and simulation that will identify and test drivers of resiliency in food supply chains in order to decrease food wastage and increase food and nutrition security, healthful dietary patterns, and healthy body size among children across the US Affiliated Pacific insular area. USDA/NIFA/AFRI Grant 2021-68012-35899 PI Rachel Novotny Primary Performance Site: University of Hawaii at Manoa 9/1/2021-8/31/2026 Total Award: \$10,000,000

Role: PI

2021- 2026 **Center for Pacific Innovations, Knowledge, and Opportunities (PIKO)**

The goal of the Pacific Innovations, Knowledge, and Opportunities (PIKO) Center is to build a statewide clinical and translational research (CTR) infrastructure to improve the health of indigenous Pacific People (IPP). NIH/NIGMS U54GM138062. PI Joseph Keawe'aimoku Kaholokula. Primary Performance Site: University of Hawaii at Manoa. 9/01/2021- 7/31/2026.Total Award: \$ 15,000,000.
Role: Co-I

2021-2025 **FY21 SNAP Longitudinal Data Project (LDP)**
Hall, Mimari. \$2,178,480. (UH contract \$900,000) USDA FNS.
Role: Co-I

2021- 2022 **Coordinating SNAP and Nutrition Supports to Reduce Child Hunger Grant, Hawaii. Thriving Children, Strong Families.**
Hall, Mimari
\$264,358
American Public Human Services Association
Role: Co-I

2021-2024 **PRECIS: PRrecision Evidence for Childhood obesity prevention InterventionS**
Nicholds, Melanie
\$1,230,638AUD
Australian National Health and Medical Research Council (NHMRC)
This project will bring together global knowledge on community-based obesity prevention to identify the most effective and equitable approaches to create healthier communities. The project will support communities to create positive actions that are tailored to their own community characteristics and resources, to prevent childhood obesity now and into the future.
Role: Associate Investigator

- 2019-2024 **Systems Science Informed Multilevel Theoretical Model of Cardiovascular Health in Native Hawaiians**
Ing, Claire Thompson
\$355,257
NIH- NHLBI K01 (04/01/2019 - 03/31/2024)
Role: Primary Mentor
- 2018-2023 **Children`s Healthy Living Center of Excellence (CHL Center)**
\$2,125,903
National Institute of Food and Agriculture/USDA.
Award Number 2018-69001-27551 (3/1/18-2/28/23)
Role: Principal Investigator
- 2016- 2026** Children`s Healthy Living Network (CHLN) in the US Affiliated Pacific.
Hatch/Multistate Project. HAW02068-R
W1194, W2194 NIFA/USDA (12/5/16-9/30/26).
Chair (y1) and Hawaii Representative
- 2015-2017 **SNAP-ED and EFNEP Nutrition Education and Obesity Prevention Center of Excellence: Creating Healthy Local Places**
Stephenson L, PI, \$1,000,000 University of Tennessee. USDA/NIFA.20155-67001-24289 1 million.
Novotny R: Co-Investigator (\$113,944).USDA/NIFA. 2015-67001-24289.
- 2013-2015 **Monitoring Alliance for NCD Action in the Pacific (MANA Pasifika)**
(Swinburn B, PI) University of Auckland, NZ, \$399,806. International Relationship Fund: US-New Zealand/Health Research Council of New Zealand
Novotny R: Co-Investigator (\$20,000). HRC-NZ #13/1003
- 2012-2017 **Multistate Project W2005; “Parenting, energy dynamics, and lifestyle determinants of childhood obesity: New directions in prevention”,**
Hatch, NIFA, USDA.
Novotny R (HAW02020).
- 2011-2017 **Children`s Healthy Living Program for Remote Underserved Minority Populations in the Pacific Region (CHL).** USDA/AFRI/NIFA. A partnership among remote Pacific states and other jurisdictions of the US: Alaska, American Samoa, Commonwealth of the Northern Marianas, Guam, Federated States of Micronesia, Hawaii, Palau, and the Republic of the Marshall Islands whose purpose is to train a public health nutrition work force, conduct public health nutrition research and communicate nutrition and health related information to the public, and to build social/cultural, physical/built, and political/economic environments

that will promote active play and intake of healthy food to prevent young child obesity.

Novotny R, Principal Investigator \$24,777,481 (Award no. 2011-68001-30335, CRIS no. 0224871).

- 2010-2013 **National Children's Study. Improving Dietary Assessment in Pregnant Women and Children in the National Children's Study** NIH/UNC. (Millar-Sauvage, PI; Anna Siega-Ruiz, Subcontract PI). \$14.5 million. This study is a longitudinal cohort study that will investigate the impact of environmental factors on health and development of ~100,000 children across the United States. This subcontract is evaluating the feasibility, burden and data quality of using web-based diet assessment methods, in different ethnic groups.
Novotny R, Co-Investigator and Hawaii Site PI for Vanguard Project—\$300,697. (Work Assignment #3, LOI 14, HHSN267200700025C)+ \$140,000
- 2009-2010 **Development of a Cardiovascular Surveillance System in the CVRN NIH/NHLBI (CVRN Surveillance).** (Sidney PI). \$7.2 million. Oversee the development of the Virtual Data Warehouse at Kaiser Permanente Hawaii.
Novotny R, Hawaii Subcontract PI, \$65,168. (RC2HL101666)
- 2009-2014 **University of Guam/University of Hawaii Cancer Center Partnership NIH/NCI.** (Whippy/Vogel, Multi-PI) \$12.6 million- 8 million Guam/4.6 million Hawaii; (Leon Guerrero R/**Novotny R**, Co-Leaders Full Project 1)- Development of a Breast Cancer Risk Model for the Pacific. (**BRISK, \$777,165** direct costs Hawaii); (Miller/Murphy, Co-Leaders Pilot Project 1) **Novotny R**, Co-I- Development of Protocols for Studying Oral Precancerous Lesions and Other Health Risks among Betel Nut Users in Micronesia (\$**115,389** direct costs), (Maskarinec/Leon Guerrero, Pilot Project), **Novotny R**, Co-I, Bioelectrical Impedance Breast Density (\$100,000, direct cost). (**1U54XA143727-01**).
- 2009-2010 **Feasibility Study on Accurately Predicting Central Obesity in the Multiethnic Cohort.** UH- Cancer Research Center of Hawaii Developmental Fund.
Novotny, R and Murphy, S, Co-PI, \$31,998. (NIH, NCI, P30 CA071789)
- 2008-2009 **Development of Novel Skeletal Measures of Pubertal Development from DXA** (Data analysis of FAM3 study). UH Clinical Research Center Award #2008-04.
Novotny R, PI- 140 hours, estimated at \$28,000.
- 2008–2013 **Pacific Kids DASH for Health.** USDA. This study aims to further develop the Pacific Tracker diet and physical activity assessment tool with behaviorally tailored intervention that support DASH dietary guidelines for multiethnic children in clinic visits within a health maintenance organization to prevent obesity among children in high risk populations. The study also aims to describe the social, economic, and cultural factors associated with body size, and composition of Asian and Pacific Islander children and their families.

Novotny R, PI—\$1,490,000. (Award 2008-55215-18821, 2/15/2008-2/15/2013, CRIS 0213100)

- 2007–2010 **Cardiovascular Research Network (CVRN) in Community-Based Care.** NHLBI (Go). \$13 million. This project is a research network across health systems engaged in cardiovascular research and surveillance within representative community-based health systems.
Novotny R, Co-Investigator—\$11,948 subcontract (U19 HL 091179)
- 2007–2011 **Physical Activity in Women with Infants.** NIH (Albright). \$1,970,341 Tests the efficacy of a tailored intervention to increase and maintain physical activity in a multiethnic population of young, healthy postpartum women in Hawaii.
Novotny R, Co-Investigator—\$83,173 (1R01CA115614 - 01A2)
- 2007–2008 **HMORN CERT. Harvard Pilgrim (Platt).** The aim of this study is to examine the use of therapeutics health plans across the US.
Novotny R, Site PI—\$22,375 subcontract
- 2007–2009 **Factors Associated with Betelnut Use on Guam.** NCI (Vogel). This proposal aims to describe betelnut ingestion and oral health practices among Chamorros and Micronesians in Guam to develop a future study examining oral lesions and cancer in Guam.
Novotny R, Co-Project Leader—\$32,148 (U56 CA96254) subcontract
- 2007–2008 **Cancer Research Network Across Health Care Systems.** NCI (Wagner). 12 research centers based in integrated care health systems with electronic medical records that serve approximately 10 million members, including cross- system health research, three core projects, and multiple spinoff grants. **Novotny R, Co-Investigator—\$3,554,771 (5 U19 CA079869-09)**
- 2007–2008 **Healthcare Needs of Hawaii Island.** Shipper’s Wharf Fund (Withy). This project counts medical provider services delivered to people from the zip codes of Hawaii Island to estimate needs for regional needs for different types of medical and mental health healthcare workers.
Novotny R, Co-Investigator—\$15,602
- 2006–2010 **Breast Density Assessment by Dual Energy X-ray Absorptiometry in Women and Girls.** Synergistic Idea Award, Department of Defense Breast Cancer Research Program, Office of Congressionally Directed Medical Research Programs. Development and testing of a DXA method to evaluate breast tissue in adolescence and adulthood, as a possible very early indicator of breast cancer risk.
Maskarinec/Novotny, Co-PI’s—\$588,518 (BC060615)
- 2006–2007 **BMI and Ethnic Admixtures.** University of Hawaii (Albright). This research project is a data only study that looks at body mass index (BMI) and ethnic admixtures.

Novotny R, Co-Investigator—\$31,036 subcontract (Friends of the Cancer Center)

2005–2010 **Imi Hale Native Hawaiian Cancer Awareness Research and Training Network.** (Chong). The goal of this project is to reduce cancer incidence and mortality among Native Hawaiians by promoting cancer awareness in Native Hawaiian Communities; and initiating cancer research, training, and control activities.

Novotny R, Co-Investigator—\$20,429 (1U01CA86105)

2004–2009 **Work, Weight, and Wellness: The 3W Program.** NHLBI (Vogt). Program to increase physical activity, improve diet, improve decision making about risk-reducing behaviors, and reduce obesity of hotel employees in Hawaii.

Novotny R, Co-Investigator—\$5,536,000 (1 R01 HL79505)

2004–2009 **Healthy Living in the Pacific Islands; Healthy Pacific Child Program.** USDA/CSREES/Integrated National Research Initiative. Community based participatory development and testing of the Pacific Tracker dietary and physical assessment tool, the Healthy Foods Hawaii four phase community based intervention to improve healthy food consumption, and population-based study of nutrition and health in Hawaii and US affiliated Pacific Islands.

Novotny R, PI—\$1,000,000 (Award No. 2004-35215-14252, CRIS No. 0199107)

2004–2007 **Nutritional and Genetic Determinants of Early Puberty.** Department of Defense. 2003 Breast Cancer Research Program. Third follow up of the Female Adolescent Maturation Cohort to examine dietary, activity and genetic determinants of maturation, body composition and bone in multi-ethnic adolescents.

Le Marchand L/Novotny R, Co-PI—\$848,218 (# BC032028)

2003–2006 **Minority Institution/Cancer Center Partnership,** University of Guam/Cancer Research Center of Hawaii, NIH/NCI, Vogel C, PI, 09/01/03–08/31/08. **Novotny R, Co-investigator Pilot Project 1.** Betel Nut Chewing. **Pilot Project 2,** Evaluation of Risk Factors for Chronic Disease Among Adults on Guam—**\$11,172,292 (1 U56 CA96254)**

2003–2004 **Soy Consumption and Hormonal Development in Young Girls: A Feasibility Study.** CRC, University of Hawaii at Manoa/Kapiolani Health. Maskarinec G, PI. **Novotny R, Co-PI—\$10,000.**

2003–2004 **Samoa Women's Health Assessment,** University of Hawaii at Manoa/Kapiolani Health.

Novotny R, PI—\$10,000 (CRC #02-16)

- 2003–2006 **Healthy Living Hawaii, State of Hawaii**, Department of Health, Community Health Division.
Novotny R, PI—\$363,358, (Contract ASO Log No. 03-220)
- 2002–2003 **Nutrition Assessments in Children and Young Adults Living in the Pacific Islands: A Capacity Building Approach**. Center for Disaster Management and Humanitarian Assistance, University of Hawaii and Centers for Disease Control, Kemmer T, PI.
Novotny R, Co-PI—\$70,000
- 2001–2004 **Genetic Determinants of Adolescent Growth and Maturation—A Pilot Study**. Cancer Research Center of Hawaii Developmental Funds, UH.
LeMarchand L, Novotny R, Co-Principal Investigators—\$61,630
- 2001–2003 **Healthy Living in the Pacific Islands**. USDA/ADAP. Hashimoto A, PI.
Novotny R, Subcontract PI—Grants 99-38826-7854 (\$15,030), 00-38826-9180 (\$10,264), 01 (\$30,000), 02 (\$250,000) 03 (\$250,000), 04 (\$25,000), 05 (\$25,000), 06 (\$9,674)
- 2001–2004 **Improving Bone Health in Adolescence through Targeted Behavioral Intervention. Integrated Hatch**, USDA.
Novotny R, PI—\$30,000
- 2000–2004 **Initiative for Future Agriculture and Food Systems Program. Improving Bone Health in Adolescence Through Targeted Behavioral Intervention (ACT)**.
PI Consortium, Savaiano D, (\$3,750,000)
Novotny R, Subcontract PI—\$640,718 (USDA NRI Grant No. 00-52102-9696)
- 1999–2003 **Japanese and White Female Adolescent Maturation (FAM)**.
Novotny R, PI—\$220,000, (USDA NRI Grant No. 9900700)
- 1998–1999 **Impact of Lactation Support and use of a Lactation Device on Rates of Exclusive Breastfeeding**. University of Hawaii–Kapiolani Health, Clinical Research Center, NIH. Vogler J, PI.
Novotny R, Co-I- \$5,630
- 1996–2002 **Factors Influencing the Intake of Calcium-Rich Foods Among Adolescents. Regional Project**. Stennis–MacIntyre, PI. USDA.
Novotny R, Site PI—\$62,000, (W–191)
- 1996–1998 **Maternal Pelvic Size and Birth Outcome**. Hawaii State Agricultural Experiment Station, USDA.
Novotny R, PI—\$3,000
- 1996–2000 **Nutrient Composition of Foods of Hawaii and the Pacific**. Hatch Grant, USDA.

Novotny R, PI—\$10,000 (includes funding from MOA International)

1994–1996 **Pregnancy Nutrition Surveillance System (PNSS).** State Department of Health, Hawaii.

Novotny R, PI—\$12,500

1992–1996 **Sago, Diet and Nutrition Status of the People of Maluku, Indonesia.** Hatch Grant, USDA.

Novotny R, PI—\$3,000

1992–1995 **Sago in Maluku.** Luce Foundation. Griffin PB, PI.

Novotny R, Co-Inv—\$130,000

RESEARCH TRAINING GRANTS

2023-2028 **The Hawaii Advanced Training in Artificial Intelligence for Precision Nutrition Science Research (AIPrN).** NIH/NIDDK/Office of Director.

1T32DK137523-01 MPI Deng, Youping/Novotny, Rachel. 1/09/2023-31/08/2028.

\$2,240,395; \$310,127 for FY 2023. This training program will produce doctoral scientists with cross-disciplinary breadth and knowledge in artificial intelligence for precision nutrition science research as the innovators and leaders to improve nutrition health and prevent and treat nutrition-related chronic diseases, with special attention to the unique populations found in Hawaii.

2018- 2023 **Children's Healthy Living Dietetics Scholarship Program (CHLD)** PI, Revilla, MKF. USDA/AFRI 2018-38413-28140. \$200,000, Co- PI

2018-2022 **Western Region Public Health Training Center.** PI, Taren, D. HRSA Grant No. UB6HP31687. July 1, 2018-June 30, 2022. Total Award \$4,053,812. (1,013,453 per year) Novotny, R. Hawaii Site PI.

2016-2019 **Child Health Assessment for the Pacific (CHAP).** Child Health Assessment in the Pacific (CHAP) Summer Fellowship program will build Pacific regional capacity in early childhood nutrition and health assessment; create a network of individuals working to monitor and prevent early childhood obesity and health disparities; and evaluate opportunities to sustain training in early childhood nutrition and health assessment. Novotny R (PI) University of Hawaii. USDA/NIFA. **\$274,780. GRANT 2016-67032-24989**

2014-2017 **Racial and Ethnic Approaches to Community Health (REACH).** U58DP005810-01. 09/30/14 - 09/29/17. CDC National Center for Chronic Disease Prevention and Health Promotion Pacific Center of Excellence in the Elimination of Disparities (CEED) USAPI Community Health Interventions Project (Palafox, PI).

The goal of this project is to strengthen capacity to implement locally tailored tobacco and nutrition evidence- and practice-based, policy, systems and environmental improvements in priority populations experiencing disparities in chronic diseases and associated risk. Role: Curriculum Specialist. \$3,000,000.

CONFERENCES/SYMPOSIA/WORKSHOPS ORGANIZED

2023	PI, Group Model Building. Food System Resiliency for Children's Healthy Living Center. Pago Pago, American Samoa. March
2023	PI, Group Model Building. Food System Resiliency for Children's Healthy Living Center. Mangilao, Guam. Feb
2023	PI, Group Model Building. Food System Resiliency for Children's Healthy Living Center. Saipan, Tinian and Rota, CNMI, Jan/Feb.
2023	PI, Group Model Building. Food System Resiliency for Children's Healthy Living Center. Anchorage, AK. Jan.
2022	Chair. COVID Food and Nutrition in several countries. IUNS. Tokyo Dec.
2022	PI, Group Model Building. Food System Resiliency for Children's Healthy Living Center. Honolulu, HI Oct.
2019	Measurement Training and Anthropometric Standardization. Children's Healthy Living Center of Excellence. Saipan, CNMI October
2019	Measurement Training and Anthropometric Standardization. Children's Healthy Living Center of Excellence. Fairbanks, AK, October
2019	Chair. Systems approaches to prevent and reduce obesity through multilevel multicomponent (MLMC) interventions across the globe. ISBNPA. Prague, Czech Republic. June.
2019	PI, Measurement Training and Anthropometric Standardization. Children's Healthy Living Center of Excellence, American Samoa Community College, April.
2019	PI Measurement Training and Anthropometric Standardization. Children's Healthy Living Center of Excellence. University of Guam, Jan.
2019	PI Measurement Training and Anthropometric Standardization. Children's Healthy Living Center of Excellence. University of Hawaii at Manoa, Hawaii. Jan.
2017	PI Collaboration Readiness Survey. Society for Nutrition Education and Behavior. Washington, D.C. July

- 2016 **Co-Chair.** Bid for International Congress of Nutrition meeting to be held in Honolulu.
- 2016 **Chair.** Multilevel Intervention Programs. International Society for Behavior, Nutrition and Physical Activity, Cape Town, South Africa, June.
- 2009 **Chair.** The Center for Health Research Cancer Summit. “Ethnicity, Nutrition and Cancer”, Honolulu, November.
- 2007 **Co-Chair,** 13th Annual HMO Research Network Conference, “Building a National Research Model: the Future of HMO-Based Research”, Health Disparities session, March.
- 2006 **Organizing Committee and Session Co-Chair,** 30th National Nutrient Databank Conference: The Role of Food Composition in Improving Dietetic Practice. Honolulu, September 18-20, 2006.
- 2006 **Chair,** Healthy Living in the Pacific Islands. Sixth Annual Meeting, Saipan, June.
- 2005 **Chair,** Healthy Living in the Pacific Islands. Fifth Annual Meeting, Honolulu, HI, October.
- 2004 **Chair,** Healthy Living in the Pacific Islands. Fourth Annual Meeting, Guam, June.
- 2003 **Chair,** Healthy Living in the Pacific Islands. Third Annual Meeting, Majuro, Marshall Islands, July.
- 2002 **Chair,** Healthy Living in the Pacific Islands. Second Annual Meeting, Honolulu, HI, August.
- 2002 **Chair,** Diet and Bone Health, Mini-symposium, ASNS/Experimental Biology, New Orleans, LA, April.
- 2002 Opportunities and Expectations of the College, CTAHR, University of Hawaii. March 13, 2002.
- 2001 **Chair,** Healthy Living in the Pacific Islands Initiative, Agricultural Development of the American Pacific Project, Honolulu, HI, October 1-3.
- 2000 **Chair,** W-191, Factors Influencing Consumption of Calcium-Rich Foods Among Adolescents, USDA Regional Project Technical Committee Meeting, Coeur D’Alene, ID.

- 2000 **Chair**, Dietary and Food Intake Assessment Mini-symposium, American Society of Nutritional Scientists, Experimental Biology 2000, San Diego, CA.
- 1997 **Chair**, W-191, Factors Influencing Consumption of Calcium-Rich Foods Among Adolescents, USDA Regional Project Technical Committee Meeting, Honolulu, HI.

ORAL PRESENTATIONS

- 2024 Novotny R Children's Healthy Living Center of Excellence. ASN- Food systems panel. Chicago. **Invited**.
- 2024 Novotny R. Children's Healthy Living Center of Excellence. Workshop on Native Hawaiian and Pacific Islander Health. NIH, NIMHD. Feb 14. **Invited**.
- 2023 Novotny R. Children's Healthy Living in the US affiliated Pacific. Women's Health Research Group, UH. July 7. **Invited**.
- 2022 Novotny R and Butel J. COVID-19, Food and Nutrition in the USA. IUNS/ICN Tokyo, Japan, December. Ann Nutr Metab 2023:79(suppl 1):14-1172. DOI:10.1159/000530786 p 278. **Invited**.
- 2022 Novotny R, Aflague T, Coleman P, Fleming T, Shallcross L, Wilkens L. Children's Healthy Living community randomized trial sustainably decreased prevalence of overweight and obesity of young children in the diverse US affiliated Pacific region. IUNS/ICN Dec Tokyo. Ann Nutr Metab 2023:79(suppl 1):14-1172. DOI:10.1159/000530786 p 164. **Invited**.
- 2022 Novotny R. Asia Pacific Consensus Statement Discussion, Asia Pacific Maternal and Child Health (APMCH) Conference & IPRAMHO International Meeting Jan 22, 2022, Singapore (online). Panel Member. **Invited**.
- 2021 Novotny R. Independent Dialogue on Healthier Islands through Sustainable Food Systems: Food as Medicine. Plenary Speaker (online) May 21. **Invited**.
- 2021 Novotny R. The US Dietary Guidelines 2020-2025. Nutrition Leadership Network (online). April 7. **Invited**.
- 2020 Novotny R. The US Dietary Guidelines 2020-2025. Meredith College, Raleigh North Carolina. November 9 (online). **Invited**.
- 2020 Novotny R. Multi-level Influences on Child Overweight/Obesity- the Children's Healthy Living (CHL) program. UH Cancer Center. Sept 14 (online). **Invited**
- 2019 Novotny R. Children's Healthy Living Center of Excellence, Global Child Obesity Planning. WHO Geneva. **Invited**

- 2019 Novotny R. Children's Healthy Living Program. ISBNPA, Prague.
- 2019 Novotny R. Children's Healthy Living Center of Excellence, SNEB, Orlando.
- 2018 Novotny R. Re-envisioning and Regenerating Agriculture Education through P-20 Partnerships. Sponsored by the P20 Agriculture Education Workgroup. National Sustainable Agriculture Education Conference, UH West Oahu, July 27, 2018. **Oral.**
- 2018 Novotny R. The Children's Healthy Living Program. Nutrition Dept Seminar Series, University of Arizona, Tucson. Feb 14. **Invited.**
- 2018 Novotny R. Cancer Risk and Prevention in the US Affiliated Pacific. Cancer Center Seminar Series, University of Arizona, Tucson. Feb 14. **Invited.**
- 2016 Fialkowski MK, Leon Guerrero R, Bersamin A, Deenik J, Fleming T, Coleman P, **Novotny R.** Unanticipated Workforce Development in the Children's Healthy Living Program. He Huliau Conference, Honolulu, HI, October 13 – 14, 2016.
- 2016 **Novotny R.** The Children's Healthy Living Multilevel Intervention Program. Texas Tech University, March 24, 2016, Lubbock Texas. **Invited.**
- 2015 **Novotny R.** Multilevel Multicomponent Intervention Strategies for Childhood Obesity Prevention. Obesity Plenary Strategies to Prevent Childhood Obesity at The Nutrition Society of Australia and New Zealand. December 2-3 2015, Wellington NZ. **Invited.**
- 2015 **Novotny R.,** Li F., Areta A., Deenik J., Kim J., Leon-Guerrero R. Race. Obesity and acanthosis nigricans in US affiliated Pacific Islands, Children's Healthy Living Program (CHL). American Public Health Association. October 31-November 4, 2015 Chicago, IL.
- 2015 **Novotny R,** Nigg CR, Braun K, Areta A, Bersamin A, Kim JH, Leon Guerrero R. Measurement and Evaluation in the Children's Healthy Living Program Multilevel Multi Component Intervention. ISBNPA, Edinburgh, June.
- 2015 **Novotny R.** "Prevalence of Overweight and Obesity in the Children's Healthy Living Program". Endocrine Society, Visiting Professor Program in Obesity. May 28-29. **Invited.**
- 2015 **Novotny R.** "Children's Healthy Living Program: Prevalence of Obesity Among Children in the US Affiliated Pacific", Visiting Professor Program on Obesity. Session B: Clinical aspects of the obesity epidemics in Hawaii and Pacific Islands 5, Endocrine Society, JABSOM, University of Hawaii. May 28.

- 2014 **Novotny R**, Fialkowski MK, Esquivel M*, Li F, Wilkens LR. Building a Child BMI Monitoring System for the US Affiliated Pacific Region: A Model from the Hawaii Children's Healthy Living Program. International Pacific Health Conference, Auckland, New Zealand. November 3 – 5, 2014.
- 2014 **Novotny R**, Fialkowski MK, Leslie J, Delormier T, Ettienne R. Children's Healthy Living Project: Building a Pacific Way to Wellness, Hawaii Dietetic Association, Honolulu.
- 2013 **Novotny R**. Children's Healthy Living Program. Society for Nutrition Education and Behavior Annual Meeting. Portland, OR, August 12. **(Invited)**.
- 2014 Boushey C, Yonemori K, Au D, **Novotny R**, Fialkowski MK, Wilkens L, Nigg C, Leon Guerrero R, Bersamin A, Niles K, Areta A, Kim J, Johnson K. Children's Healthy Living Program for remote underserved minority populations in the Pacific region: challenges and design of dietary assessment methods among young children 2-8 years old. National Nutrient Databank Conference. Portland, OR, May 14-17, 2014.
- 2013 Fialkowski MK, Areta AR, Belyeu-Camacho T, Bersamin A, Rojas G, Castro R, DeBaryshe B, Leon-Guerrero R, Luick B, Vargo A, Nigg C, **Novotny R**. Using Community Readiness Assessment to Inform Environmental Intervention Development in the Children's Healthy Living (CHL) Program in Remote Underserved Minority Populations of the Pacific. Experimental Biology. Boston, MA, April 20-24, 2013.
- 2012 Leslie JH, DunnMA, Boyd, Deenik JL, Fialkowski MK, Fiamme R, Greenberg J, Hattori-Uchima M, Johnson R, Kim J, Leon-Guerrero R, Loick B, Nigg C, Paulino Y, Stokes A, Takahashi R, Vargo D, Wilkens L, York A, **Novotny R**. Training an Indigenous Workforce to Prevent Childhood Obesity: a component of the Children's Healthy Living Program for Remote Underserved Minority Populations in the Pacific Regio (CHL). Pacific Global Health Conference. Honolulu, HI, October 8-10, 2012.
- 2012 **Novotny R**. Healthy Hawaii Initiative's Health and Physical Education Resource Teachers' Training Session. Aug. 20. **(Invited)**.
- 2012 Fialkowski MK, Areta AR, Belyeu-Camacho T, Bersamin A, Rojas G, Castro R, DeBaryshe B, Leon-Guerrero R, Luick B, Vargo A, Nigg C, **Novotny R**. The development of the Children's Healthy Living for Remote Underserved Populations in the Pacific Region Program (CHL) community-based approach to identify and prioritize possible environmental interventions to prevent young child obesity. Pacific Global Health Conference. Honolulu, HI, October 8-10, 2012.
- 2012 **Novotny R**. Food, Nutrition, Physical Activity & Obesity related data for NCD prevention: & the Children's Healthy Living (CHL) Program. Pacific Island Health Officers Association, Technical Work Group Meeting. Honolulu, May 24. **(Invited)**.

- 2012 **Novotny R**, Oshiro CES, Wilkens. Ethnic Disparity in Child Overweight and Obesity in Hawaii. FASEB, San Diego, April.
- 2012 **Novotny R** and Nigg C. The CHL Program – Capacity-Building and Environmental Change to Prevent Childhood Obesity in the Pacific Region. UH Public Health Colloquium. March 8 **(Invited)**.
- 2011 **Novotny R**, Deenik J. Children’s Healthy Living Program. Pacific Basin Medical Association and Chuuk Medical Association. Nov. 2 **(Invited)**.
- 2011 **Novotny R**, McGlone K, Nigg C. PacificTracker2 - Expert System (PacTrac2-ES) behavioral assessment and intervention tool, 9th International Food Data Conference “Biodiversity and Sustainable Diets”, Norwich, England, UK, Sept.
- 2011 Albright, Steffen, Nigg, **Novotny**, Wilkens, Saiki, Yamada, Hedemark, Dunn, and Brown. Hawaii’s Na Mikimiki Project: Increasing Postpartum Physical Activity in Ethnic Minority Women; Changes in Self-efficacy, Barriers, and Postpartum Depression Predict Increases in Physical Activity over Six Months. International Society of Behavioral Nutrition and Physical Activity – Melbourne Australia, June 15-18.
- 2010 **Novotny, R.** Proposed project by Land Grant Colleges to address Childhood Obesity. 49th Meeting of the Pacific Island Health Officers Association. Honolulu, HI, September **(Invited)**
- 2010 **Novotny R** et al. Breast Density among Multiethnic Adolescent Girls. HMORN 2010. Austin TX.
- 2009 **Novotny R.** Nutrition and Body Composition of Children in Hawaii. Hawaii Initiative for Childhood Obesity Research and Education (HICORE), Pediatric Obesity Seminar Series, Kapi’olani Medical Center for Women & Children, American Academy of Pediatrics, Hawaii Chapter, Inc., RTRN-RCMI Translational Research Network, the Hawaii State Department of Health - Healthy Hawaii Initiative, and UH-JABSOM Department of Pediatrics. Honolulu. December **(Invited)**
- 2009 **Novotny R.** Workshop Introduction & The Female Adolescent Maturation Study. The Center for Health Research Cancer Summit. “Ethnicity, Nutrition and Cancer”, Honolulu, November **(Invited)**.
- 2009 **Novotny R**, Vijayadeva V, Grove J, Daida YG, LeMarchand L. Lower birth weight, greater bi-iliac breadth and Asian ancestry are associated with greater central obesity in adolescent girls in Hawaii. 19th International Congress of Nutrition, Oct. 4-9, Bangkok. Annals of Nutrition & Metabolism 55(Supp 11):99.
- 2009 Vijayadeva V, LeMarchand L, Grove J, Daida Y, **Novotny R.** Association of Leptin and Leptin Receptor Gene Polymorphisms with Plasma Leptin in Multiethnic

Adolescent Girls in Hawaii, CTAHR Student Research Symposium, University of Hawaii at Manoa, April 4.

- 2008 **Novotny, R.** “Fruit Intake for Healthy Body Size in the Pacific Region”. Tropical Fruits in Human Nutrition & Health Conference, Couran Cove, Australia, Nov. 8 **(Invited)**.
- 2008 **Novotny, R.** “Enhancing Bone Mass of Multiethnic Adolescents” Pediatrics Island style: the adolescent visit, Honolulu, HI October 9 **(Invited)**.
- 2008 Osborne DL, Weaver C, McCabe LD, McCabe GM, **Novotny R**, Boushey C, Savaiano DA. “Assessing the relationship between skin pigmentation and measures of bone strength in adolescent females living in Hawaii.” 77th Annual Meeting of the American Association of Physical Anthropologists, Columbus, OH, April 11.
- 2008 **Novotny R**, Williams A, Vinoya AC, Vogt T. “US immigration is associated with obesity among Asian-Pacific hotel workers in Hawaii.” 14th Annual HMO Research Network Conference, Minneapolis, MN, April 13-16.
- 2008 **Novotny R**, Vijayadeva V, Grove J, Daida Y, LeMarchand L. “Pubic hair pubertal stage is more strongly associated with female adolescent bone mass than breast pubertal stage in an Asian-White population in Hawaii.” Experimental Biology Annual Meeting, San Diego, CA, April 8.
- 2008 Oshiro C, **Novotny R**, Williams AE, Vinoya AC, Abright C, Vogt TM. “Body mass index is inversely associated with fruit intake and fruit juice availability in the hotel environment.” Experimental Biology Annual Meeting, San Diego, CA, April 5-9.
- 2008 Daida Y, **Novotny R**, Vijayadeva V, Grove J, LeMarchand L. “Influence of lean and fat mass on bone mineral content in Asian and White adolescent girls.” Experimental Biology Annual Meeting, San Diego, CA, April 5-9.
- 2008 Vijayadeva V, Grove J, **Novotny R**, LeMarchand L, Daida Y. “Adolescent girls with higher trunk fat and trunk-to-peripheral skinfold ratio reach menarche early.” Experimental Biology Annual Meeting, San Diego, CA, April.
- 2008 **Novotny R.** “BioNutrition and The Center for Health Research.” Registered Dieticians Kuleana Meeting, Kaiser Permanente Kapolei Clinic, Kapolei, HI, February 27.
- 2008 **Novotny R.** “Pacific Kids DASH for Health (PacDASH).” Kaiser Permanente Pediatric Grand Rounds, Honolulu, HI, February 12.

- 2007 **Novotny R.** “Factors influencing female adolescent body size, shape and composition.” Kaiser Permanente Grand Rounds, Honolulu, HI, November 28.
- 2007 **Novotny R.** “TCHR Bionutrition Research.” TCHR Professional Board Meeting, Portland, OR, November 12.
- 2007 **Novotny R.** “Bone of Asian Pubertal Girls in Hawaii: The Female Adolescent Maturation (FAM) Study.” American Society for Bone and Mineral Research (ASBMR) 29th Annual Meeting, Honolulu, HI, September 16.
- 2007 **Novotny R.** “Mixed ethnicity and health.” NHLBI, NIH, Rockville, MD, June 25. **(Invited).**
- 2007 **Novotny R,** Coleman P, Tenorio L, Davison N, Camacho T, Ramirez V. “Acanthosis nigricans among Pacific Islander children in the Commonwealth of the Northern Marianas.” Experimental Biology Annual Meeting, Washington DC, April.
- 2006 Blitz CL, Murphy SP, **Novotny R,** Jung YO, Au DM, Davison N. “The Pacific Tracker (PACTRAC): Development of a dietary assessment instrument for the Pacific. National Nutrient Databank Conference, Honolulu, HI, September.
- 2006 **Novotny R.** “Health emergencies in large populations.” **(Invited)** Food & Nutrition, Honolulu, HI, July 20.
- 2006 **Novotny R.** “Evolution of the nutritional assessment of populations research program toward a vision for the Center for Health Research Hawaii.” **(Invited)** Hawaii and Oregon, January/February.
- 2005 **Novotny R.** “Body composition of multiethnic youth.” **(Invited)** Food and Nutrition Division Seminar, Food and Agriculture Organization, Rome, Italy, August.
- 2005 Binkley N, **Novotny R,** Krueger D, Kawahara-BaccusT, Daida YG, Gemar D, Lensmeyer G, Drezner MK. “Inadequate Vitamin D status despite abundant sun exposure.” American Society of Bone Mineral Research, Nashville, TN, October.
- 2005 **Novotny R.** “Dairy, calcium and body size: Emerging science for adolescents.” **(Invited)** Nutrition Forecast Meeting, Coronado, CA, May.
- 2005 Murphy S, **Novotny R,** Blitz C, Au D. “Expanding the Cancer Research Center of Hawaii’s Food Composition Table for use in other Pacific Island.” Oceaniafoods, New Zealand, April.
- 2005 **Novotny R,** et al. “Asian, Hispanic and White adolescent body size, composition and fat distribution.” Experimental Biology, San Diego, CA, April.

- 2004 **Novotny R.** “Obesity/health issues. The tapestry of our cultures.” **(Invited)** 2004 Western Regional Joint Summer Meetings, Guam, June 21.
- 2004 Nabokov V, **Novotny R.** “Body composition among Samoans in Hawaii.” CTAHR Student Research Symposium, April 2-3.
- 2003 **Novotny R.** “Dairy is a girl’s best friend. Obesity: Weighing the options.” **(Invited)** National Dairy Farmers of Canada, Montreal and Toronto, April 23/25.
- 2003 **Novotny R.** “Nutrition and maturation of Hawaii’s teens.” **(Invited)** 2003 HDA Spring Conference, Hawaii’s Nutrition Gift to the World, April 4.
- 2003 **Novotny R.** “Female adolescent maturation.” **(Invited)** Kaiser Permanente Clinical Research Center, Honolulu, HI, March.
- 2002 **Novotny R,** Daida YG, Vogt TM, Grove JS, Acharya S. “Earlier menarche is associated with formula feeding during infancy.” Eighth RCMI International Symposium on Health Disparities 2002, Honolulu, HI, December.
- 2002 **Novotny R.** “Female Adolescent Maturation-II Study and improving bone health in adolescence through targeted behavioral intervention.” **(Invited)** Clinical Research Center External Advisory Committee Meeting, Honolulu, HI, May.
- 2002 **Novotny R,** Daida YG, Vogt TM, Grove JS, Paperny D, Acharya S. “Asians have earlier menarche but lower dietary calcium intake than whites and no difference in calcaneal broadband ultrasound attenuation.” ASNS/Experimental Biology, New Orleans, LA, April.
- 2002 **Novotny R.** “Healthy Living in the Pacific Islands (HLPI) Initiative.” **(Invited)** WIC Annual Meeting, Honolulu, HI, May.
- 2002 **Novotny R.** “Weight and pregnancy.” **(Invited)** WIC Nutritionists Training, Honolulu, HI, March.
- 2001 **Novotny R.** “The nutrition transition in the Pacific.” **(Invited)** Center for Pacific Island Studies, UH, June.
- 2001 **Novotny R.** “Assessment of bone mass and density for prevention of osteoporosis.” **(Invited)** CTAHR: Role in Economic Revitalization, Nutrition and Environmental Sustainability and Education Using Innovative Technology, September.
- 2001 **Novotny R.** “Tips for successful grant writing.” **(Invited)** CTAHR Pre-Award Seminar, UH, May.

- 2001 Acharya S, **Novotny R**. “Maternal fat loss during pregnancy compensates infant birth size.” CTAHR Student Research Symposium, UH, Honolulu, HI, April (Second Prize- Oral Presentation, MS student).
- 2001 **Novotny R**, Goh Y. “Pubertal stage and body fat are independently associated with bone mass among Asian and Caucasian adolescents in Hawaii.” Experimental Biology 2001, Orlando, FL, April.
- 2000 Meng L, Maskarinec G, **Novotny R**. “Dietary patterns and mammographic densities in a multi-ethnic population.” AACR, 91st Annual Meeting, San Francisco, CA, April.
- 2000 **Novotny R**. “Food and nutrition in: Health emergencies in large populations.” (**Invited**) Center of Excellence in Disaster Management and Humanitarian Assistance, World Health Organization Collaborating Center, East-West Center, Honolulu, HI, July.
- 1999 **Novotny R**. “Food and nutrition in: Health emergencies in large populations.” (**Invited**) Humanitarian Assistance, World Health Organization Collaborating Center, East-West Center, Honolulu, HI, July.
- 1999 **Novotny R**. “Intercultural communications: Food and culture in South and Southeast Asia.” (**Invited**) Maui Plant Protection and Quarantine, Kahului, HI, June.
- 1998 **Novotny R**. “Understanding BMI.” (**Invited**) WIC Annual State Conference, Honolulu, HI, September.
- 1998 Edwards CL, **Novotny R**, Claybaugh J, Weems C. “Serum prealbumin decreases during pregnancy.” The American Dietetic Association, Kansas City, MO, October.
- 1998 **Novotny R**. “A new approach to nutritional assessment in population-based studies.” (**Invited**) Cancer Research Center of Hawaii, Honolulu, HI, June.
- 1997 **Novotny R**, Davis J, Ross P, Biernacke I. “Maternal pelvic size, as measured by DXA, predicts infant birthweight.” International Union of Nutritional Scientists, Montreal, Quebec, Canada, August.
- 1997 **Novotny R**. “Factors Influencing the Consumption of Calcium-Rich Food Among Adolescents.” (**Invited**) The Hawaii Dietetic Association, Annual Spring Conference, Honolulu, May.
- 1996 **Novotny R**. “When to use focus groups?” (**Invited**) Pacific MCH Coordinator’s Conference, School of Public Health, University of Hawaii, Honolulu, December.

- 1996 Biernacke I, **Novotny R**, Davis J. "The precision of pelvic measurements using dual energy xray absorptiometry." CTAHR Student Symposium, University of Hawaii, Honolulu, HI, April. (Second Prize - undergraduate student).
- 1995 Ng FL, **Novotny R**. "Validity of the 24-hour dietary recall in dietary assessment in Eastern Indonesia." CTAHR Student Research Symposium, University of Hawaii, Honolulu, HI, April. (First Prize - Oral Presentation of Master's student).
- 1995 **Novotny R**. "Food and culture of Indonesia." (**Invited**) Hawaii Nutrition Council, Honolulu, HI, March.
- 1994 **Novotny R**. "Dietary Diversity in Western Seram." Third Annual Maluku Conference, Ambon, Indonesia, July.
- 1992 Kieffer E, **Novotny R**, Mor J, Thiele M. "Factors influencing infant feeding method choice in a multiethnic population." American Public Health Association, New Orleans, LA, November.
- 1992 **Novotny R**, Kieffer E, Mor J, Thiele M, Nikaido M. "Infant feeding method choice in a WIC population in Hawaii." Implications for Breastfeeding Promotion Programs, American Public Health Association, November.
- 1992 **Novotny R**. "Who is breastfeeding in Hawaii?" (**Invited**) WIC State Conference, Honolulu, HI, October.
- 1992 **Novotny R**. "Promoting nutrition in developing countries." (**Invited**) First Thursday Forum, Church of the Crossroads, Honolulu, HI, March.
- 1991 Kieffer EC, **Novotny R**, Mor J, Thiele M. "Breastfeeding in Hawaii and the Year 2000 Objectives." American Public Health Association, November.
- 1991 **Novotny R**, Kieffer EC, Mor J, Thiele M. "Infant feeding practices of Filipinos born in the U.S. and in the Philippines and living in Hawaii." 6th Asian Congress of Nutrition, Kuala Lumpur, Malaysia, September.
- 1991 **Novotny R**, Kieffer EC, Mor J, Thiele M. "Factors related to breastfeeding initiation and duration in Hawaii." Pacific Science Congress, Honolulu, HI, May.
- 1990 **Novotny R**. "Nutritional status of reproductive women: Emphasis on anthropometric measurements." (**Invited**) Trisakti University, Jakarta, Indonesia, June.
- 1989 Baruffi G, Alexander G, **Novotny R**. "Causes of infant mortality in a multiethnic population." National Perinatal Association, Washington, D.C., November.

- 1989 **Novotny R.** “Rate of growth in length of Bangladeshi infants” (**Invited**) 14th International Congress of Nutrition, Seoul, South Korea, August.
- 1989 **Novotny R.** “Rate of growth in length of Bangladeshi infants.” Association of Teachers of Maternal-Child Health, Washington, D.C., March.
- 1988 **Novotny R.** “Pansur Nauli demonstration project.” (**Invited**) Human Survival 1988-2000, A Conference, Windward Community College, HI, November.
- 1988 **Novotny R.** Panel. “Field responses to the Child Survival Movement.” (**Invited**) Child Survival Day, School of Public Health, University of Hawaii, February.
- 1987 **Novotny R.** “Title II Enhancement and child survival.” (**Invited**) AID, Dominican Republic, December.
- 1987 **Novotny R.** “Changing philosophies, programs and practices.” National Council for International Health, Washington, D.C., June.
- 1985 **Novotny R.** “Alimentacion, salud y estado nutricional del nino preescolar en la Sierra Ecuatoriana.” (**Invited**) 45 Congreso Internacional de Americanistas, Bogota, Columbia, July.
- 1984 **Novotny R.** “Hot and cold in illness and health in Gualaceo, Ecuador.” (**Invited**) 83rd Annual Meeting, American Anthropological Association, Denver, CO, November.

POSTER PRESENTATIONS

- 2024 Thordottir I, Gudmannsdottir R, **Novotny R**, Odinsdottir T, Thorisdottir B. Greenhouse Gas Emissions From Icelandic Children’s Diets – Implications for Food Based Dietary Guidelines for Children. P20-101-24. Current Developments in Nutrition 8 Suppl 2.
- 2024 **Novotny R**, Dela Cruz R, Yamanaka A, Butel J, Oshirio J, Wilkens L, Franck K, Shallcross L, Coleman P, AFlague T, Fleming, Shvetso Y, INg C, Hovmand. Regional Causal Look Diagram With Action Ideas for Improving Child Diet Quality and Weight Status in the Children’s Healthy Living food systems (CHLFS) Program. P19-023-24. Current Developments in Nutrition 8 Suppl 2.
- 2024 Seale LA, Yamanaka AB, Hammond K, Lim E, Wilkens LR, McFall P, Aflague TA, Coleman P, Fleming T, Shallcross L, Deenik J, **Novotny R**, Dietary micronutrient intake and the prevalence of metabolic conditions among children from the US-affiliated Pacific region in the Children’s Healthy Living Program, Current Developments in Nutrition, <https://doi.org/10.1016/j.cdnut.2024.104531>

- 2023 Novotny R, Ing CT, Butel J, Oshiro J, Wilkens L, Franck K, Shallcross L, Coleman P, Aflague T, Fleming T, Hovmand P. Putting People Back Into Community Food Systems: Community-Based System Dynamics Children's Healthy Living Food Systems (CHLFS) Protocol in Five Pacific Jurisdictions. American Society of Nutrition. Boston, July. Poster.
- 2023 Lozano, C and Novotny R. USDA Food and Nutrient Database for Dietary Studies (FNDDS) for Hawaii diets? Oceaniafoods, Fiji. July. Poster.
- 2022 Douglas Taren, Halimatou Alaof, Ashley B Yamanaka, Patricia Coleman, Travis Fleming, Tanisha Aflague, Leslie Shallcross, Carol Boushey, Lynne Wilkens, Rachel Novotny A longitudinal analysis of insulin resistance in children, 2–8 years old, living in the Pacific Region, the Children's Healthy Living Program. IUNS/ICN Tokyo Japan, December. poster
- 2022 Ing C, Lim J, Kaholokula JK, Hovmand P, Seto T, **Novotny R** Association Between Food Insecurity and Blood Pressure in a multiethnic population. American Heart Association Annual Meeting.
- 2016 Techur-Pedro A, Chutaro E, Tilfas P, **Novotny R**. Strengthening Health Workforce Capacity in the USAPI: PIHOA Pacific CHOR Project. PIHOA 60th Board Meeting, Honolulu.
- 2016 Yonemori KM, Ennis T, **Novotny R**, Fialkowski MK, Ettienne R, Wilkens LR, Leon Guerrero RT, Bersamin A, Coleman P, Boushey CJ. Collecting wrappers, labels, and packages to enhance dietary information from food records among children 2-8 years participating in the Children's Healthy Living Program (CHL) for remote underserved minority populations in the Pacific region. National Nutrient Database Conference, May 16 – 18, 2016.
- 2016 Villiger RK, Boushey CJ, Yonemori KM, **Novotny R**, Fialkowski MK, Esquivel M, Banna JC. How does Hawai'i stack up: Comparing nutrient intake in 2-8 year old participants in the Children's Healthy Living (CHL) program in Hawai'i (HI) to National Health and Nutrition Examination Survey (NHANES). College of Tropical Agriculture and Human Resource Research Symposium. University of Hawai'i at Mānoa, April 8 – 9, 2016.
- 2016 Fialkowski MK, Esquivel MK, **Novotny R**. Fostering Grant Writing Skills: A Student Learning Objective of the Intercollege Nutrition PhD Program. 2016 Assessment for Curriculum Improvement Poster Exhibit, University of Hawai'i at Mānoa. April 15, 2016.
- 2015 Fialkowski MK and **Novotny R**. Integrated Monitoring and Evaluation in the Intercollege Nutrition PhD Program. 2015 Assessment for Curriculum Improvement Poster Exhibit, University of Hawai'i at Mānoa. April 17, 2015

- 2015 Tufa A, Hurwitz E, **Novotny R**, Fialkowski MK, Li F, Areta A. Acculturation and Childhood overweight and obesity in American Samoa: Results from the Children's Healthy Living (CHL) Program. College of Tropical Agriculture and Human Resource Research Symposium. University of Hawai'i at Mānoa, April 10 – 11, 2015.
- 2014 Fialkowski MK, Delormier T, Hattori-Uchima M, Paulino Y, Deenik J, Areta A, Bersamin A, Boushey C, Nigg C, Kim J, Leslie J, Dunn M, **Novotny R**. Community-Based Projects for Training Underserved Minority Students of the U.S. Affiliated Pacific in the Children's Healthy Living Program. He Huliau Conference, Kapolei, HI, September 18 – 20, 2014.
- 2015 Badowski G, Leon Guerrero RT, Simsiman B, **Novotny R**, Wilkens L. Cumulative incidence rates of breast cancer for Filipinos and Chamorros in Guam and the United States *Cancer Research* 75(15 Supplement):3702-3702 · July 2015
- 2014 **Novotny R**, Fialkowski MK, Li F, Vargo D, Paulino Y, Jim R, Coleman P, Bersamin A, Nigg C, Leslie J, Leon Guererro RT, Dennik J, Kim J, Wilkens LR. Prevalence of young child overweight and obesity in the US Affiliated Pacific Region: Children's Healthy Living Program (CHL). American Society of Nutrition Sciences Annual Meeting, San Diego, CA, April.
- 2013 **Novotny R**, Nigg CR, Li F, Renda GR, Wilkens LR. Pacific Kids DASH for Health (PacDASH) Tailored Multilevel Intervention for Prevention of Obesity and Elevated Blood Pressure among Multiethnic Children. International Congress of Nutrition, Granada, Spain.
- 2012 Paulino Y, Wilkens Y, Katz A, **Novotny R**. Validation of the Areca (Betel) Nut State-Added Questionnaire in the Guam Behavioral Risk Factor Surveillance System (BRFSS)" has been selected for Poster presentation during the 140th APHA Annual Meeting (October 27 - October 31, 2012) in San Francisco, CA
- 2012 LeonGuerrero RL, **Novotny R**, Wilkens L, Chong M. "Development and validation of a quantitative FFQ for Guam". 2012 Experimental Biology Conference April 21-25, 2012 (poster).
- 2012 LeonGuerrero RL, Blas MS, Bordallo R, Buyum A, **Novotny R**. "Recruitment of Pacific Islander Women for the Breast Cancer Risk Model in Pacific Islander (BRISK) study in the Mariana Islands". 12th Biennial Symposium on Minorities, the Medically Underserved and Health Equity, June 27 – July 1, 2012
- 2012 Oshiro C, Grove J, **Novotny R**. Birth Size, Gestational Age, and BMI at Age 5y, HMO Research Network, March.
- 2011 Paulino Y, **Novotny R**, et al. Areca nut use is associated with obesity and arthritis in Guam: results from the 2007 Behavioral risk factor surveillance system", 3rd North American Congress of Epidemiology, June 21-24, Montreal.

- 2010 Oshiro C, Grove J, **Novotny R**. Asian ancestry and birth length are associated with height among females during adolescence. Experimental Biology, Anaheim, CA.
- 2010 Daida Y, **Novotny R**. Infant feeding patterns of multiethnic mothers. Experimental Biology, Anaheim, CA.
- 2010 Vijayadeva V, **Novotny R**, et al. "Association of Leptin Receptor Gene Polymorphisms with Body Fat Distribution in Multiethnic Adolescent Girls of Hawaii". Experimental Biology 2010, Anaheim CA.
- 2010 **Novotny R**, et al. "Food and nutrient intakes of native Hawaiian, Filipino and White children and their caregivers. Experimental Biology. Anaheim, CA.
- 2009 Vogt TM, Williams AE, Stevens VJ, Albright C, Nigg C, **Novotny R**, Meenan R. Reducing Obesity in Worksites: Final Results of the Work, Weight, and Wellness (3W) Program. HMO Research Network, Danville PA, April.
- 2009 Epplein N, **Novotny R**, Daida Y, Vijayadeva V, Le Marchand L. Maternal and intrauterine hormone-related exposures and daughter's age at menarche in a multiethnic population in Hawaii. AACR Conference on The Science of Cancer Health Disparities, Carefree, AZ, February 3-6.
- 2006 Gittelsohn J et al. "Food preparation and psychosocial factors affect dietary intake in Native Hawaiian communities: Baseline Results from the Healthy Foods Hawaii Intervention." Experimental Biology '06, San Francisco, CA, April.
- 2006 Daida Y, **Novotny R**, et al. "Birth weight is negatively associated with DXA trunk to periphery fat ratio of multiethnic adolescent girls." Experimental Biology '06, San Francisco, CA, April.
- 2006 Oshiro C, Vijayadeva V, Daida Y, **Novotny R**, Grove J, LeMarchand L. "Protein intake is positively associated with waist circumference in female adolescents." Experimental Biology '06, San Francisco, CA, April.
- 2006 Lee SK, Lee SK, Park SY, Oshiro C, **Novotny R**. "Negative association between dietary calcium intake and body fat of Koreans in Hawaii." Experimental Biology '06, San Francisco, CA, April.
- 2006 **Novotny R**, Coleman P, Tenorio L, Davison N, Camacho T, Ramirez V, Danigellis E, Vijayadeva V, Untalan P, Tudela M. "Breastfeeding is associated with lower risk of overweight among children of the commonwealth of the Northern Marianas Islands." Experimental Biology '06, San Francisco, CA, April.
- 2006 Osborne DL, Weaver C, Teegarden D, Van Loan M, **Novotny R**. "Investigating variation in cross-sectional geometry at the hip in adolescent girls." Human Biology Association.

- 2004 Stavar S, **Novotny R**, Grove J, Daida Y, LeMarchand L. "Vitamin D receptor gene polymorphism BsmI but not FokI influences BUA bone accrual among adolescent girls in Hawaii." CTAHR Student research symposium, University of Hawaii, April 2-3.
- 2003 Davison NH, Workman RL, Daida YG, **Novotny R**. "Healthy living in the Pacific Islands: Results of a focus group process to define perceptions of health and collaboration." Global Public Health Conference, Honolulu, HI, June.
- 2003 **Novotny R**, Acharya S, Grove JS, Daida YG, Vogt TM. "Higher dairy intake is associated with lower body fat during adolescence." ASNS/ Experimental Biology, San Diego, CA, April.
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