



UNIVERSITY OF HAWAI'I

CANCER CENTER

*Population Sciences in the Pacific Program
Research Seminar Series*

“Early determinants of higher breast density at the end of puberty onset”



Ana Inés Pereira Scalabrino, Ph.D.

*Assistant Professor
Institute of Nutrition and Food Technology
University of Chile*

**(Thursday) January 10, 2019
12:00 noon – 1:00 p m**

**University of Hawai'i Cancer Center
701 Ilalo Street
Sullivan Conference Center**

Light refreshments to follow

CURRICULUM VITAE

Name: Ana Inés Pereira Scalabrino
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EDUCATION/TRAINING

- 1996-2002** **Medical Doctor at University of Chile**
- 2003-2005** **Master in Public Health, UNIVERSITY OF CHILE.**
Thesis: Lifestyle and Gastric Cancer.
Supervisor: Prof. María Teresa Valenzuela
- 2006-2011** **PhD Epidemiology and Population Health. London School of Hygiene and Tropical Medicine.**
Thesis "An Evaluation of the National Cervical Cancer Screening Programme in Chile"
Supervisor: Prof. Isabel dos Santos Silva
- 2011-2015** **Postdoctoral Fellowship. Institute of Nutrition and Food Technology. University of Chile**

"Early growth and breast-tissue composition at the end of breast development: disentangling the pathways to breast cancer risk in Chilean girls"
Mentorship: Dra Camila Corvalán

POSITION

- Since 2011** Assistant Professor, Institute of Nutrition and Food Technology, University of Chile
- 2004-2010** Research Assistant Epidemiology Unit, School of Public Health, University of Chile.

CURRENT RESEARCH PARTICIPATION

- 2018- 2022** Dietary patterns associated with changes in adiposity and metabolic condition at 3 key sensitive periods of early life: infancy, adiposity rebound, and late puberty
Supported by FONDECYT 1181370
PI: Marcela Reyes
- 2017-2019** Red de colaboración INTA, U de Chile- Universidad California San Francisco para el fortalecimiento de la investigación en el área de determinantes tempranos de composición mamaria en la adolescencia
Supported by CONICYT, PCI REDI170060
PI: Ana Pereira

2017-2020 Estrogens exposures at the end of puberty influences female breast composition 4 years after menarche. Evidence from the growth and obesity Chilean cohort study
Supported by Fondecyt 11170670
PI: Ana Pereira

2014-2018 "Premature adrenarche and effects on ovarian function, pubertal tempo and metabolic risk"
Co-investigator
Supported by: CONICYT, FONDECYT (PI: Dra Mericq)

PUBLICATIONS

1. Binder AM, Stiemsma LT, Keller K, van Otterdijk SD, Mericq V, **Pereira A**, Santos JL, Shepherd J, Michels KB. Inverse association between estrogen receptor- α DNA methylation and breast composition in adolescent Chilean girls. *Clin Epigenetics*. 2018 Oct 4;10(1):122. doi: 10.1186/s13148-018-0553-5. PubMed PMID: 30286806; PubMed Central PMCID: PMC6172836.
2. Binder AM, Corvalan C, **Pereira A**, Calafat AM, Ye X, Shepherd J, Michels KB. Prepubertal and Pubertal Endocrine-Disrupting Chemical Exposure and Breast Density among Chilean Adolescents. *Cancer Epidemiol Biomarkers Prev*. 2018 Dec;27(12):1491-1499. doi: 10.1158/1055-9965.EPI-17-0813. Epub 2018 Aug 29. PubMed PMID: 30158279.
3. Fernández, M, **Pereira A**, Corvalán C, Mericq V. Precocious pubertal events in Chilean children: ethnic disparities. *J Endocrinol Invest* (2018): 1-11. doi: 10.1007/s40618-018-0927-8. ISSN: 1720-8386. I
4. Kong Q, Mondschein S, **Pereira A**. Effectiveness of breast cancer screening policies in countries with medium-low incidence rates. *Rev Saude Publica*. 2018 Feb 5;52:7. doi: 10.11606/S1518-8787.2018052000378. PubMed PMID: 29412375; PubMed Central PMCID: PMC5802744. ISSN: 0034-8910.
5. Mueller N, Garmendia ML, Reyes M, Corvalán C, **Pereira A**, Uauy R. Female offspring birth weight is associated with Body Mass Index, waist circumference and metabolic syndrome in Latin American women at 10-years postpartum. *Diabetes Res Clin Pract*. 2018 Apr;138: 90-98. doi: 10.1016/j.diabres.2018.01.029. PMID: 29421309. **ISSN: 0168-8227**.
6. Binder AM, Corvalán C, Calafat AM, Ye X, Mericq V, **Pereira A**, Michels KB. Childhood and adolescent phenol and phthalate exposure and the age of menarche in Latina girls. *Environ Health*. 2018 Apr 3;17(1):32. doi: 10.1186/s12940-018-0376-z. PMID: 29615064. PMCID: PMC5883544. ISSN: 1476-069X.
7. Binder AM, Corvalán C, Mericq V, **Pereira A**, Santos JL, Horvath S, Shepherd J, Michels KB. Faster ticking rate of the epigenetic clock is associated with faster pubertal development in girls. *Epigenetics*. 2017 Dec 13:1-31. doi: 10.1080/15592294.2017.1414127. PMID: 29235933 PMCID: PMC5836971 [Available on 2019-02-15]. ISSN: 1559-2294.
8. **Pereira A**, Iñiguez G, Corvalán C, Mericq V. High DHEAS Is Associated With Earlier Pubertal Events in Girls But Not in Boys. *J Endocr Soc*. 2017 May 19;1(7):800-808. doi: 10.1210/js.2017-00120. PMID: 29264531. PMCID: PMC5686671. ISSN: 2472-1972. I
9. **Pereira A**, Garmendia ML, Uauy R, Neira P, Lopez-Arana S, Malkov S, Shepherd J. Determinants of volumetric breast density in Chilean premenopausal women. *Breast Cancer Res Treat*. 2017 Apr; 162(2):343-352. doi: 10.1007/s10549-017-4126-7. PMID: 28132392. ISSN: 0167-6806.
10. Gaskins AJ, **Pereira A**, Quintiliano D, Shepherd JA, Uauy R, Corvalán C, Michels KB. Dairy intake in relation to breast and pubertal development in Chilean girls. *Am J Clin Nutr*. 2017; 105 (5):1166-1175. doi:10.3945/ajcn.116.150359. PMID: 28381475. PMCID: PMC5402036. ISSN: 0002-9165.
11. Busch AS, Hagen CP, Main KM, **Pereira A**, Corvalán C, Almstrup K, Mericq V, Juul A. Genetic Variation of Follicle-Stimulating Hormone Action Is Associated With Age at Testicular Growth in Boys. *J Clin Endocrinol Metab*. 2017; 102 (5):1740-1749. doi:10.1210/jc.2016-4013.

12. Burton A, Maskarinec G, Perez-Gomez B, Vachon C, Miao H, Lajous M, López-Ridaura R, Rice M, **Pereira A**, Garmendia ML, Tamimi RM...et al. Mammographic density and ageing: A collaborative pooled analysis of cross-sectional data from 22 countries worldwide. *PLoS Med.* 2017 Jun 30;14(6):e1002335. doi: 10.1371/journal.pmed.1002335. PMID: 28666001. PMCID: PMC5493289. ISSN: 1549-1676.
13. Martínez-Arroyo A, Moreno-Macías H, **Scalabrino AP**, Garmendia ML. Metabolic Syndrome and Mammographic Density in Premenopausal Chilean Women. *Nutr Cancer.* 2017 Jan 3:1-7. doi: 10.1080/01635581.2017.1263348. PMID: 28045557. ISSN: 0163-5581.
14. Mericq V, **Pereira A**, Uauy R, Corvalán C. Early BMI Gain and Later Height Growth Predicts Higher DHEAS Concentrations in 7-Year-Old Chilean Children. *Horm Res Paediatr.* 2017; 87 (1):15-22. doi:10.1159/000452885. PMID: 27974716. ISSN: 1663-2818.
15. McCormack VA, Burton A, dos-Santos-Silva I, Hipwell JH, Dickens C, Salem D, Kamal R, Hartman M, Lee CP, Chia KS, Ozmen V, Aribal ME, Flugelman AA, Lajous M, Lopez-Ridaura R, Rice M, Romieu I, Ursin G, Qureshi S, Ma H, Lee E, van Gils CH, Wanders JO, Vinayak S, Ndumia R, Allen S, Vinnicombe S, Moss S, Won Lee J, Kim J, **Pereira A**, Garmendia ML, Sirous R, Sirous M, Peplonska B, Bukowska A, Tamimi RM, Bertrand K, Nagata C, Kwong A, Vachon C, Scott C, Perez-Gomez B, Pollan M, Maskarinec G, Giles G, Hopper J, Stone J, Rajaram N, Teo SH, Mariapun S, Yaffe MJ, Schüz J, Chiarelli AM, Linton L, Boyd NF. International Consortium on Mammographic Density: Methodology and population diversity captured across 22 countries. *Cancer Epidemiol.* 2016 Feb;40:141-51. doi: 10.1016/j.canep.2015.11.015. PMID: 26724463. PMCID: PMC4738079. ISSN: 1877-7821.
16. Burton A, Byrnes G, Stone J, Tamimi RM, Heine J, Vachon C, Ozmen V, **Pereira A**, Garmendia ML, Scott C, Hipwell JH, Dickens C, Schüz J, Aribal ME, Bertrand K, Kwong A, Giles GG, Hopper J, Pérez Gómez B, Pollán M, Teo SH, Mariapun S, Taib NA, Lajous M, Lopez-Ridaura R, Rice M, Romieu I, Flugelman AA, Ursin G, Qureshi S, Ma H, Lee E, Sirous R, Sirous M, Lee JW, Kim J, Salem D, Kamal R, Hartman M, Miao H, Chia KS, Nagata C, Vinayak S, Ndumia R, van Gils CH, Wanders JO, Peplonska B, Bukowska A, Allen S, Vinnicombe S, Moss S, Chiarelli AM, Linton L, Maskarinec G, Yaffe MJ, Boyd NF, Dos-Santos-Silva I, McCormack VA. Mammographic density assessed on paired raw and processed digital images and on paired screen-film and digital images across three mammography systems. *Breast Cancer Res.* 2016 Dec 19;18(1):130. doi: 10.1186/s13058-016-0787-0. PMID: 27993168. PMCID: PMC5168805. ISSN: 1465-542X.
17. **Pereira A**, Corvalán C, Uauy R, Klein KO, Mericq V. Ultrasensitive estrogen levels at 7 years of age predict earlier thelarche: evidence from girls of the growth and obesity Chilean cohort. *Eur J Endocrinol.* 2015; 173 (6):835-842. doi:10.1530/EJE-15-0327. PMID: 26369578. ISSN: 0804-4643.
18. **Pereira A**, Garmendia ML, González D, Kain J, Mericq V, Uauy R, Corvalán C. Breast bud detection: a validation study in the Chilean growth obesity cohort study. *BMC Womens Health.* 2014; 14:96. doi:10.1186/1472-6874-14-96. PMID: 25115568. PMCID: PMC4137044. ISSN: 1472-6874.
19. González L, Corvalán C, **Pereira A**, Kain J, Garmendia ML, Uauy R. Early adiposity rebound is associated with metabolic risk in 7-year-old children. *Int J Obes (Lond).* 2014; 38 (10):1299-1304. doi:10.1038/ijo.2014.97. PMID: 24909827. ISSN: 0307-0565.
20. **Pereira-Scalabrino A**, Almonte M, Dos-Santos-Silva I. Country-level correlates of cervical cancer mortality in Latin America and the Caribbean. *Salud Pública de México* 2013; 55(1):5-1. PMID: 23370254. ISSN: 0036-3634.
21. **Pereira A**, Garmendia ML, Alvarado ME, Albala C. Hypertension and the Risk of Breast Cancer in Chilean Women: a Case-control Study. *Asian Pac J Cancer Prev.* 2012;13(11):5829-34. doi: 10.7314/APJCP.2012.13.11.5829. PMID: 23317264. ISSN: 1513-7368.
22. Murillo R, Almonte M, **Pereira A**, Ferrer E, Gamboa OA, Jerónimo J, Lazcano-Ponce, E. Cervical cancer screening programs in Latin America and the Caribbean. *Vaccine*, 2008. 26 Suppl 11: p. L37-48. doi: 10.1016/j.vaccine.2008.06.013. PMID: 18945401. ISSN: 0264-410X.
23. **Pereira A**, Valenzuela, MT, Mora J, Vera L. Situación actual de la hepatitis B en Chile [Present situation of hepatitis B in Chile]. *Rev Med Chil*, 2008. 136(6): p. 725-32. doi: /S0034-98872008000600006. PMID: 18769828. ISSN: 0034-9887.
24. Garmendia M.L., **Pereira A**, Alvarado ME, Atalah E. Relation between insulin resistance and breast cancer among

Chilean women. *Ann Epidemiol*, 2007. 17(6): p. 403-9. doi: 10.1016/j.annepidem.2007.01.037. PMID: 17531933.

25. Maida A, Herskovic V, **Pereira A**, Salinas-Fernández L, Esquivel CC. Percepción de conductas abusivas en estudiantes de medicina [Perception of abuse among medical students of the University of Chile]. *Rev Med Chil*, 2006. 134(12): p. 1516-23. doi: /S0034-98872006001200004. PMID: 17277867. ISSN: 0034-9887.
26. Gallardo V., Ugarte F., Barrera A., Godoy C., **Pereira A.**, Eblen E. Pesquisa precoz de nefropatía diabética en niños y adolescentes portadores de diabetes mellitus tipo 1 [Early detection of diabetic nephropathy in children and adolescents with type 1 diabetes mellitus]. *Rev Chil Pediatr* 2005. 76(3); 252-258. doi: 10.4067/S0370-41062005000300003. ISSN: 0370-4106.
27. Maida AM, Vasquez A, Herskovic V, Calderon JL, Jacard M, **Pereira A**, Widdel L. A report on student abuse during medical training. *Med Teach*. 2003 Sep;25(5): 497-501. doi: 10.1080/01421590310001606317. PMID: 14522671. ISSN: 0142-159X.

CONGRESS PRESENTATIONS (ABSTRACTS AND POSTER)

- Rojas J, Corvalán C, Mericq V, **Pereira A**. Asociación entre indicadores de adiposidad durante la infancia y edad de menarquia en adolescentes chilenas (poster). XVIII Congreso latinoamericano de Nutrición (SLAN), Guadalajara, México. November 11–15, 2018.
- Iñiguez G, **Pereira A**, Merino PM, Corvalán C, Mericq V. Concentraciones elevadas de DHEAS a los 7 años se asocian con glicemias aumentadas durante la pubertad pero no con síndrome metabólico. XXVIII Congreso Chileno de Endocrinología y Diabetes (SOCHED). Puerto Varas, Chile. November 9—11, 2017.
- **Pereira A**. Determinantes tempranos del cáncer de mama. Densidad mamaria un predictor de riesgo. Congreso Chileno de Radiología. Santiago, Chile. October 19—21, 2017.
- Corvalán C, Garmendia ML, **Pereira A**, Uauy R. Critical windows for prevention of obesity and associated conditions: the GOCS and CHIMINO chilean cohorts. IUNS 21st International Congress of Nutrition, Buenos Aires. October 15–20, 2017. *Annals of Nutrition and Metabolism* 2017; 71(Suppl. 2):231. doi: 10.1159/000480486. ISSN: 0250-6807
- López Fernández A, **Pereira A**, Corvalán C, Garmendia ML, Uauy R. Effect of excessive gestational weight gain during pregnancy on daughter's breast density at the end of puberty onset. IUNS 21st International Congress of Nutrition, Buenos Aires. October 15–20, 2017. *Annals of Nutrition and Metabolism* 2017; 71(Suppl. 2):818. doi: 10.1159/000480486. ISSN: 0250-6807
- Martínez A, Palma X, Ceballos X, **Pereira A**, Reyes M, Corvalán C, Lopes J, Fisberg R. Previous step to analyze 24-h dietary recalls: standardization of the food composition database for the “growth and obesity cohort study” (poster). IUNS 21st International Congress of Nutrition, Buenos Aires. October 15–20, 2017. *Annals of Nutrition and Metabolism* 2017; 71(Suppl. 2):1120. doi: 10.1159/000480486. ISSN: 0250-6807
- Dourado, DQS; Arroyo, AM; Jara, M; Cornejo, C; Avendano, R; **Scalabrino, AP**; Jedlicki, MR. Development of a new tool for dietary data collection: SER-24h, software for 24 hours recall (poster). IUNS 21st International Congress of Nutrition, Buenos Aires. October 15–20, 2017. *Annals of Nutrition and Metabolism* 2017; 71(Suppl. 2):1123. doi: 10.1159/000480486. ISSN: 0250-6807
- Lardone MC, Castro A, Ortiz E, **Pereira A**, Corvalán C, Mericq V. Androgen receptor gene CAG repeat polymorphism in girls with high dheas: association with pubertal events and body composition (poster). 10th International Meeting of Pediatric Endocrinology. Washington, DC, USA. September 14—17, 2017. *Hormone Research in Paediatrics* 2017, 88 (Suppl. 1): 349-350. DOI:10.1159/000481424
- **Pereira A**, Corvalán C, Merino PM, Iniguez G, Mericq V. High DHEAS at age 7 are associated to higher glycemia during puberty but not metabolic syndrome. 10th International Meeting of Pediatric Endocrinology. Washington, DC, USA. September 14—17, 2017. *Hormone Research in Paediatrics* 2017, 88 (Suppl. 1): 50. DOI:10.1159/000481424

- Busch AS, Hagen CP, Main KM, Almstrup K, **Pereira A**, Corvalán C, Mericq V, Juul A. Pubertal Onset in Boys is Influenced by BMI and Genetic Variation of Fshb and Fshr: A Study in Two Population-Based Cohorts of Different Genetic Ancestry. 55th Annual ESPE Meeting, Paris. September 10—12, 2016. *Hormone Research in Paediatrics* 2016, 86 (Suppl. 1):59-60. DOI: 10.1159/000449142
- **Pereira A**, Corvalán C, Garmendia ML, Uauy R, Mericq V. Are Ultrasensitive Estrogens Levels in Pre-pubertal Girls Associated with Breast Composition at the End of Puberty? (poster). The Endocrine Society's 99th Annual Meeting (ENDO). Orlando, USA. April 1—4, 2017.
- Merino P, **Pereira A**, Iñiguez G, Corvalán C, Mericq V. Premature adrenarche and metabolic risk: differences by gender. 55th Annual ESPE Meeting, Paris. September 10—12, 2016. *Hormone Research in Paediatrics* 2016, 86 (Suppl. 1):94. DOI: 10.1159/000449142
- Merino P, **Pereira A**, Iñiguez G, Corvalán C, Mericq V. Premature adrenarche in girls at pubertal onset is associated with high androgens, but lower AMH concentrations (poster). 55th Annual ESPE Meeting, Paris. September 10—12, 2016. *Hormone Research in Paediatrics* 2016, 86 (Suppl. 1):304. DOI: 10.1159/000449142
- Fernández M, **Pereira A**, Corvalán C, Mericq V. Pubertal Onset in Chilean Children: Ethnic Disparities. XXVI Annual Meeting of the Latin American Pediatric Endocrinology Society (SLEP). Buenos Aires, Argentina. November 8—11, 2016. *Hormone Research in Paediatrics* 2016, 86 (Suppl. 2):25. DOI: 10.1159/000451040
- Merino P, **Pereira A**, Iñiguez G, Corvalán C, Mericq V. Lower AMH Concentrations and High Androgens in Girls with Premature Adrenarche at Pubertal Onset. XXVI Annual Meeting of the Latin American Pediatric Endocrinology Society (SLEP). Buenos Aires, Argentina. November 8—11, 2016. *Hormone Research in Paediatrics* 2016, 86 (Suppl. 2):7. DOI: 10.1159/000451040
- Mericq V, **Pereira A**, Corvalán C, Fernández M. Inicio del desarrollo puberal en niños chilenos: diferencias étnicas (póster). XXVII Congreso Chileno en Endocrinología y Diabetes (SOCHED). Coquimbo, Chile. November 10—12, 2016.
- Lardone MC, Castro A, Ortiz E, **Pereira A**, Corvalán C, Mericq V. Número de repeticiones CAG del receptor de andrógenos en niñas con adrenarquia precoz: correlación con inactivación del cromosoma x y eventos puberales. XXVII Congreso Chileno en Endocrinología y Diabetes (SOCHED). Coquimbo, Chile. November 10—12, 2016.
- Merino P, **Pereira A**, Iñiguez G, Corvalán C, Mericq V. Adrenarquia prematura y bajos niveles de AMH al inicio de la pubertad. IX Congreso Chileno de Obstetricia y Ginecología Infantil y de la Adolescencia. 12 – 13 de mayo de 2016. *Rev. Soc. Chil. Obstet. Ginecol. Inf. Adol*; 23(1): 29. ISSN: 07197039.
- **Pereira, A**; Shepherd J ; Bustamante C, Uauy R; Corvalán C. "Early growth and breast-tissue composition at the end of breast development: exploring the pathways to breast cancer risk in prepubertal girls". 7th International Workshop on Breast Densitometry and Cancer Risk Assessment. San Francisco, USA. June 10 – 12, 2015. <http://www.ucsfcmc.com/2015/MMH15018/Syllabus.pdf>
- Corvalán C, Cuevas C, Gonzalez D, **Pereira A**, Michels K. Diet. Assessment in Low-to-middle income adolescents from a developing country: lessons from the Chilean Growth and Obesity Cohort Study (GOCS). 9th International Conference on Diet and Activity Methods (ICDAM), Brisbane, Australia. September 1–3, 2015.
- **Pereira A**, Corvalán C, Mericq V, Uauy R. Is childhood adiposity related to early pubertal onset in Chilean girls from low-middle socioeconomic level? XVII Congreso Latinoamericano de Nutrición, Punta Cana, República Dominicana. November 8–12, 2015. *Archivos Latinoamericanos de Nutrición* 2015, 65 (Suppl.2): <https://www.alanrevista.org/ediciones/2015/suplemento-2/art-148/#>
- Mesa D, Mericq V, Corvalán C, **Pereira A**. Obesity and estrogen levels in pre-pubertal girls participants in the growth and obesity chilean study. LI Annual Meeting Latin American Society for Pediatric Research (LASPR), Viña del Mar, Chile. 20-23 de octubre de 2013. *Pediatric Research* 2014; 75(3): 472. Doi: 10.1038/pr.2014.13
- Quirola M, **Pereira A**, Mericq V, Gaete X, Corvalán C. Telarquia Adelantada en niñas chilenas de nivel socioeconómico medio bajo. VII Congreso de Nutrición Clínica y Metabolismo. Viña del Mar, Chile. May 29—30 June 1, 2013.

- **Pereira A**, Mericq V, Garmendia ML, Uauy R, Corvalán C. Are mothers able to detect their daughter's breast bud? Validation Study in the GOCS cohort. 15th Congreso de Investigación en Salud Pública, Cuernavaca, México. March 6—8, 2013.
- **Pereira A**, Mericq V, Garmendia ML, Corvalán C, Uauy R. Excess weight and Breast Density at Puberty and Unknown Association: evidence from the Growth and Obesity Cohort Study. 20th International Congress of Nutrition. Granada, Spain. September 15–20, 2013. *Ann Nutr Metab* 2013;63(suppl 1): 1208. DOI: 10.1159/000354245. ISSN: 0250-6807.
- Martínez A, Garmendia ML, **Pereira A**. Association between metabolic syndrome and breast density in premenopausal Chilean women. 20th International Congress of Nutrition. Granada, Spain. September 15–20, 2013. *Ann Nutr Metab* 2013;63(suppl 1):966. DOI: 10.1159/000354245. ISSN: 0250-6807
- Corvalán C, Mericq V, **Pereira A**, Uauy R. Rapid BMI Growth Followed by Height Increase Predicts High DHEAS in 7y old Chilean Children. 20th International Congress of Nutrition. Granada, Spain. September 15–20, 2013. *Ann Nutr Metab* 2013;63(suppl 1):650. DOI: 10.1159/000354245. ISSN: 0250-6807
- Mesa D, Mericq V, Corvalán C, **Pereira A**. Adiposidad y Niveles pre-puberales en niñas participantes del estudio chileno de crecimiento y obesidad. Sociedad Latinoamericana de Investigación Pediátrica. Viña del Mar, Chile. October 20-23, 2013. Available in: <http://www.slaip.org/ResumenesSLAIP2013.pdf>
- **Pereira, A**; Shepherd, J; Garmendia, ML; Galleguillos, B; Highnam, R; Uauy, R; Corvalán, C. Dual X-Ray Absorptiometry an alternative method to measure volumetric breast density. 6th International workshop on breast densitometry and Breast cancer risk assessment. San Francisco, USA. June 6-7, 2013.
- Garmendia, ML; **Pereira, A**; Shepherd, J; Highnam, R; Corvalán, C. Adiposity and mammographic breast density in premenopausal Chilean women. 6th International workshop on breast densitometry and Breast cancer risk assessment. San Francisco, USA. June 6-7, 2013.
- **Pereira, A**; Shepherd, J; Garmendia, ML; Uauy, R; Corvalán, C. Breast Development at different breast tanner stages: evidence from the growth obesity Chilean cohort study. 6th International workshop on breast densitometry and Breast cancer risk assessment. San Francisco, USA. June 6-7, 2013.
- Garmendia ML, **Pereira A**, Uauy R, Corvalán C. Obesity and premenopausal breast cancer risk: role of the oligo-ovulation and endogenous hormones. Scientific Meeting of the Breast Cancer and the Environment Research Program (BCERP). San Francisco, USA 2012.
- Gonzalez D, **Pereira A**, Uauy R, Corvalán C. Life course obesity and premature thelarche in Chilean girls. XIX Congreso Chileno de Nutrición Coquimbo, Chile. November 23 – 26, 2011.
- Gonzalez D, Mericq V, **Pereira A**, Uauy R, Corvalán C. Validity of Tanner 2 assessment in low-income Chilean mothers. XIX Congreso Chileno de Nutrición. Coquimbo, Chile. November 23 – 26, 2011.
- **Pereira A**, Silva I, Peto J. Evaluation of the National Cervical Screening Programme in Chile (poster). IEA World Congress of Epidemiology. Edinburgh, Scotland. August 7–11, 2011. *J Epidemiol Health* 2011; 65 (Suppl. 1):A288. doi:10.1136/jech.2011.142976j.74
- Garmendia ML, **Pereira A**, Alvarado ME, Atalah E. Metabolic syndrome increases the risk of breast cancer in postmenopausal women. International Epidemiological Association (IEA-EEF) European Congress of Epidemiology. Utrecht, The Netherlands. June 28-July 1, 2006. *European Journal of Epidemiology*. 2006; 21:61. doi: 10.1007/s10654-006-9021-1
- Garmendia ML, **Pereira A**, Alvarado ME, Atalah E. Insulin resistance is associated with breast cancer in Chilean women only after menopause. International Epidemiological Association (IEA-EEF) European Congress of Epidemiology. Utrecht, The Netherlands. June 28-July 1, 2006. *European Journal of Epidemiology*. 2006; 21:140. doi: 10.1007/s10654-006-9021-1

- Garmendia ML, **Pereira A**, Alvarado ME, Atalah E. Is recommendable the consumption of fruits and vegetables for preventing breast cancer in Chilean women? International Epidemiological Association (IEA-EEF) European Congress of Epidemiology. Utrecht, The Netherlands. June 28-July 1, 2006. *European Journal of Epidemiology*. 2006; 21:140. doi: 10.1007/s10654-006-9021-1