

Jef L Leroy

Curriculum Vitae
(March 2011)

International Food Policy Research Institute
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Washington, DC 20006
USA
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Personal Information

- Nationality: Belgian
- Age: 35
- Married, father of two children

Education

2007: European Nutrition Leadership Programme, Luxembourg

1998-2005: Cornell University, NY, USA
Doctor of Philosophy in Nutrition

Thesis title "Childcare in developing societies: the importance of distinguishing between behaviors, resources and agents of disease in health and nutrition"

The main focus of my PhD research was to elucidate pathways through which childcare is associated with better growth and health of children. I found that treating childcare as an effect modifier, rather than as a main effect, results in a better understanding of the potential of maternal behaviors to improve the child's wellbeing. My PhD was funded by the Belgian American Educational Foundation and the Howard Hughes Medical Institute. My field research was funded by UNICEF and the International Food Policy Research Institute (Washington DC)

Thesis advisor: Jean-Pierre Habicht, Division of Nutritional Sciences
(committee members: Christopher Barrett (Applied Economics and Management),
Cutberto Garza (Nutritional Sciences) & Martin Wells (Statistics))

1995-1998: Ghent University, Belgium
Master of Sciences in Agricultural and Applied Biological Engineering

Thesis title "Household food security status on small-scale commercial farms in Venda, South Africa"
Supra cum Laude

1995-1998: Ghent University, Belgium
Academic Teacher Training
Magna cum Laude

1996: Wageningen University, Netherlands
Erasmus Exchange Student

1993-1995: Ghent University, Belgium
Bachelor of Science in Applied Biological Sciences
Supra cum laude

Languages

Dutch (native), English, Spanish and French
Basic to good understanding of German and Afrikaans

Professional Experience

- 2009-present** International Food Policy Research Institute (IFPRI), Washington DC, USA
Research Fellow
- 2009-present** Instituto Nacional de Salud Pública (INSP), Cuernavaca, Mexico
Investigador Invitado en Ciencias Médicas “D”
- 2008-present** Division of Nutritional Sciences, Cornell University, Ithaca, NY, USA
Visiting Fellow
- 2005-2009** Instituto Nacional de Salud Pública (INSP), Cuernavaca, Mexico
Research Associate
- 2000-2002** International Food Policy Research Institute, Washington DC
Nutrition and Food Security Research Project (Northern Ghana)
2001-2002 Fieldwork Manager
The work included the development and pretesting of the questionnaires; training of field staff (6 supervisors and 36 fieldworkers); training and standardization of the anthropometry team; management of data collection (data were collected in over 1600 households); set up, management and monitoring of data entry activities and data cleaning.
2000 Preliminary fieldwork
- 1999** Helen Keller International, Jakarta, Indonesia
Intern
Data analysis
- 1997** University of Pretoria (South-Africa)
Fieldwork manager
Data Collection in former Venda Region (Northern South Africa)

Projects

Research projects

- 2010-2014 Strengthening and Evaluating the “Preventing Malnutrition in Children Under Two Years of Age Approach” (PM2A) in Guatemala and Burundi (Food and Nutrition Technical Assistance II)**
10,000,000 USD
- 2010 Estimating the number of lives saved by current health and nutrition interventions (UNICEF)**
Principal Investigator - *45,000 USD*
- 2009-2010 Impact evaluation of “Daycare centers for working mothers” (3ie – International Initiative for Impact Evaluation)**
Principal Investigator – *200,000 USD* (in collaboration with Paul Gertler, UC Berkeley and Sebastian Martinez, World Bank)
- 2008-2009 The impact of conditional cash and in-kind transfers on women's body weight in rural Mexico (project funded by UCMEXUS)**
Principal Investigator – *25,000 USD* (in collaboration with Paul Gertler, UC Berkeley)
- 2007-2008 Impact evaluation of the Oportunidades program, long-term follow-up in rural areas (project funded the Mexican Ministry of Social Development, SEDESOL)**
Investigator – *5,000,000 USD*

2007-2008 Impact evaluation of “Daycare centers for working mothers” (Gender Action Plan of the World Bank)

Co-Principal Investigator – *100,000 USD* (in collaboration with Paul Gertler, UC Berkeley and Sebastian Martinez, World Bank)

2007-2008 Impact evaluation of “Daycare centers for working mothers” (project funded the Mexican Ministry of Social Development, SEDESOL)

Principal Investigator – *8,400,000 Mexican Pesos (840,000 USD)*

2007- Improving healthcare-seeking for childhood illness in rural Mexico (funds committed by the WHO conditional on finding additional funds)

A cluster randomized intervention study conducted in rural villages in Veracruz in the context of the Mexican Oportunidades program.

Principal Investigator – 250,000 USD (in collaboration with Gretel Pelto & Jean-Pierre Habicht, Cornell University and Homero Martinez, Rand Corporation)

2004-2005 Current priorities in health research funding and the causes of child mortality

Collaborative project between Division of Nutritional Sciences (Cornell University) and the National Institute of Public Health (Mexico)

[see peer reviewed article Leroy et al. (2007b, 2007e)]

2007 Evaluation of the design of “daycare centers for working mothers” (project Mexican Ministry of Social Development, SEDESOL)

Principal Investigator – *275,000 Mexican Pesos (25,000 USD)*

2005-2008 Efficacy of three supplements to improve the nutritional status of children and pregnant women.

Project conducted in the context of the Mexican Oportunidades program.

Co-Investigator – 1,680,000 USD

2001-2003 Nutrition and food security research project, Savelugu/Nanton District, Northern Ghana

Collaborative project between the International Food Policy Research Institute (Washington, DC, USA), UNICEF Ghana and the University for Development Studies (Tamale, Ghana)

[See peer reviewed article Leroy et al. (2008a)]

Consulting and literature review

2009 The impact of daycare programs on the child health, nutrition and development in developing countries (funded by 3IE)

Principal Investigator – *40,000 USD*

2008 The impact of indirect (long-term) programs on micronutrient status – a review of the literature (project funded by IFPRI)

Principal Investigator – *25,000 USD*

2006 Impact analysis of nutrition interventions in mothers and children in Central America

Project with the World Food Program, Panama.

Principal Investigator – 37,000 USD

[see book chapter Leroy et al. (2008a)]

2006 A review of the literature on the determinants of foods and diets associated with cancer.

Collaborative project with the Food Consumption and Nutrition Division of the International Food Policy Research Institute. Washington DC, USA.

Principal Investigator – 13,000 USD

2005-2007 An estimation of the role of chronic diarrhea disease and its contribution to malnutrition.

Collaborative project with the Division of International Epidemiology and Population Studies of the Fogarty International Center, National Institutes of Health. Bethesda, MD, USA.

Principal Investigator – 10,000 USD

2004-2005 Review of the links between livestock keeping and nutritional well-being

Project with Cornell University (Applied economics and management and the Division of nutritional sciences), the International Livestock Research Institute (Kenya) and the International Food Policy Research Institute (Washington, DC, USA).

Principal Investigator – 6,000 USD

[see peer reviewed articles Leroy et al. (2007c), Randolph et al. (2007a) and book Hawkes et al. (2007)]

Honors and Awards

Teaching award National Institute of Public Health/Mexican School of Public Health, 2007

Fellow International Nutrition Foundation, 2007

Fellow International Nutrition Foundation, 2006

Winner of the Society for International Nutrition Research Graduate Student Competition, 2004

Howard Hughes Medical Institute Predoctoral Fellow, 1999-2004

Graduate Student Conference Grant (awarded 4 times), 1999-2003

E. Elizabeth Hester Fellowship, 1999

Belgian American Educational Foundation Graduate Fellow, 1998-1999

Professional Membership

Founding member Belgian Nutrition Society (BNS)

Founding member World Public Health Nutrition Association (WPHNA)

Member of the Mexican National System of Researchers (SNI)

American Society for Nutrition (ASN), International Nutrition Council (INC)

Review activities

Peer reviews for:

Journal of Nutrition, Maternal and Child Nutrition, European Journal of Clinical Nutrition

International Food Policy Research Institute, Bill and Melinda Gates Foundation

Other activities

- Organizer scientific symposium "Protecting nutrition in times of food price crisis: Programs and policy responses", International Conference on Nutrition 2009, Bangkok, Thailand.
- Organizer scientific symposium "From Efficacy Trial to Public Health Impact: Improving Delivery and Utilization of Nutrition Programs", Experimental Biology 2007, Washington DC, USA
- Board Member, Gamma-Alpha Graduate Science Society, Cornell University Chapter, 2005-
- Reviewer, Mario Einaudi Center (pre-dissertation travel awards), Cornell University, 2004
- Member of the Program in International Nutrition Strategic Planning Committee, Cornell University, 2002-2003
- Treasurer, Gamma-Alpha Graduate Science Society, Cornell University Chapter, 2003-2004
- Social coordinator and coordinator of the research symposium, Nutrition Graduate Students' Organization, Cornell University, 1999-2003

Teaching

- April 2010: invited lecture on Oportunidades at American University's School of International Service
- 2008, 2009, 2010: invited lecturer Ghent University (Belgium): Short course on impact evaluation in MSc program in Nutrition and Rural Development
- 2008-2009: adjunct coordinator MSc program (Health economics) National Institute of Public Health
- 2007-2009: head strategic planning group for the academic program of the Center for Evaluation Research and Surveys, National Institute of Public Health
- 2007-2009: Multidisciplinary research methods seminar at the International Institute of Public Health, Mexico. Weekly seminar featuring presentations by students, faculty and invited speakers. The seminar was turned into an obligatory graduate course.
- 2005-2009: member of the "Colegio de Profesores" of the MSc program in Health Economics and the PhD program in Health Systems.
- 2005-2009: Graduate courses in basic and advanced statistical & epidemiological methods, Mexican School of Public Health (ESPM), an academic program accredited by the Council on Education for Public Health (independent agency recognized by the US Department of Education to accredit schools of public health).
- 2005-2009: Graduate course on impact evaluation (ESPM). New course designed to respond to the increasing need for training in this area.
- 2005-2009: Invited lecturer in international courses on impact evaluation organized by the World Bank, the Mexican Ministry of Foreign Affairs, UNAIDS and MEASURE Evaluation (USAID's Monitoring and Evaluation to Assess and Use Results framework). Courses for international groups in Mexico and Trinidad.

Graduate students

- Claudia Olivia Martinez Ocampo: *Factores asociados con la inasistencia a los servicios preventivos de salud infantil del Programa Oportunidades*. Director Master's Thesis (2009). Mexican School of Public Health, Cuernavaca.
- Rosalía Figueroa Domínguez: *The quality of health care and the nutritional status of Oportunidades beneficiary children in rural areas*. Committee member Master's Thesis (2009). Mexican School of Public Health, Cuernavaca.
- Roos Verstraeten: *A community intervention in school-going adolescents in Ecuador: a cluster randomized controlled trial*. Committee member PhD Thesis (2011). Ghent University, Belgium.
- Yared Santa Ana Tellez: *Nutritional status and diet of vulnerable and orphaned children in HIV/AIDS affected households in Cameroon, Kenya and Zambia*. Director Master's thesis (2008). Mexican School of Public Health, Cuernavaca.
- Claudia Ivonne Ramirez: *Short term of impact evaluation of the Oportunidades program on the dietary intake of energy, iron, zinc and vitamin A in children from 1 to 4 years of age living in rural areas*. Committee member Master's Thesis (2006). Mexican School of Public Health, Cuernavaca.

Publications

Peer-reviewed articles

Leroy JL, Gadsden P, Rodríguez-Ramírez S, González de Cossío T (2010). "Cash and in-kind transfers in poor rural communities in Mexico increase household fruit and vegetable and micronutrient consumption but also lead to excessive energy consumption". *Journal of Nutrition* 140: 612-617.

BNS founding members (2009). "Establishing a Belgian Nutrition Society (BNS): Filling the Void (Editorial)". *Archives of Public Health*. 67: 4-6.

Leroy JL, M Ruel, E Verhofstadt (2009). "The Impact of Conditional Cash Transfer Programmes on Nutrition: A review of evidence using a programme theory framework". *Journal of Development Effectiveness*. 1(2): 103-129.

Leroy JL, AA Razak, JP Habicht (2008a). "My father is the head of household: intra-household inequities in child nutrition worsen with increased household food availability in rural Northern Ghana." *Journal of Nutrition* 138: 2258-2263.

Leroy JL, A García-Guerra, R García, C Dominguez, J Rivera, L Neufeld (2008b). "The Oportunidades program improves child growth in urban Mexico". *Journal of Nutrition* 138: 793-798.

Leroy JL, H Vermandere, L Neufeld, S. Bertozzi (2008c). "Improving enrollment and utilization of the Oportunidades program in Mexico could increase its effectiveness". *Journal of Nutrition* 138: 638-641.

Leroy JL, P Menon (2008d). "From Efficacy to Public Health Impact: A call for Research on Program delivery and utilization in nutrition". *Journal of Nutrition* 138: 628-629.

Randolph, TF, E Schelling, D Grace, CF Nicholson, **JL Leroy**, D Peden, DC Cole, MW Demment, A Omoro, J Zinsstag, M Ruel (2007a). "Role of livestock in human nutrition and health for poverty reduction in developing countries". *Journal of Animal Science* 85(11): 2788-2800.

Leroy JL, JP Habicht, SM Bertozzi, G Pelto (2007b). "Leroy et al. respond". *American Journal of Public Health* 97(10): 1733. (response to letter "Inattention to the fidelity of health care delivery is costing lives" by Steven H. Woolf and Robert E. Johnson, *American Journal of Public Health* 97(10): 1732-32.)

Leroy JL, E Frongillo (2007c). "Can interventions to promote animal production ameliorate undernutrition?". *Journal of Nutrition* 137: 2311-2316.

González-de-Cossío T, JP Gutiérrez, D González-Castell, S Rodríguez-Ramírez, M Unar, **JL Leroy**, P Gadsden, G Hernández-Licona, P Gertler (2007d). "Lecciones aprendidas en la evaluación del Programa de Ayuda Alimentaria". *Salud Pública de México* 49:E245-E249 Edición especial, XII congreso de investigación en salud pública

Leroy JL, JP Habicht, SM Bertozzi, G Pelto (2007e). "Current Priorities in Health Research Funding and Lack of Impact on the Number of Child Deaths per Year." *American Journal of Public Health*. 97(2):219-23. (Editor's choice)

Leroy JL, J van Rooyen, et al. (2001). "A Quantitative Determination of the Food Security Status of Rural Farming Households in the Northern Province of South Africa." *Development Southern Africa* 18(1): 5-17.

Leroy JL, CJ van Rooyen, et al. (2000). "Business orientation and the food security status of small scale producers in the Venda region, South Africa." *Agrekon* 39(1): 90-98.

Books and book chapters

Arimond M, Hawkes C, Ruel MT, Sifri Z, Berti PR, **Leroy JL**, Low JW, Brown LR, Frongillo EA (2011). *Agricultural Interventions and Nutrition: Lessons from the Past and New Evidence*. In: *Combating Micronutrient Deficiencies: Food-based Approaches*. Eds Thompson B and Amoroso L. FAO, Rome.

Bautista Arredondo S, Bertozzi SM, **Leroy JL**, López Ridaura R, Sosa Rubí SG, Téllez Rojo MM, Walker D (2008). Diez años de Oportunidades en zonas rurales: efectos sobre la utilización de servicios y el estado de salud de sus beneficiarios. In: *Evaluación externa del Programa Oportunidades 2008. A diez años de intervención en zonas rurales (1997-2007)*. Tomo II, El reto de la calidad de los servicios: resultados en salud y nutrición. México, DF: Secretaría de Desarrollo Social.

Gutiérrez JP, **Leroy JL**, DeMaria L, Walker D, Campuzano JC, Moreno K, Serván E, Sosa Rubí SG, Bertozzi, SM (2008). Evaluación de la calidad de los servicios de atención a la salud asignados a la población beneficiaria de Oportunidades. In: *Evaluación externa del Programa Oportunidades 2008. A diez años de intervención en zonas rurales (1997-2007)*. Tomo II, El reto de la calidad de los servicios: resultados en salud y nutrición. México, DF: Secretaría de Desarrollo Social.

Leroy JL, Rodríguez S, Marini A, González de Cossío T (2008a). Impacto de la política social en materia de nutrición, en el estado de nutrición, dieta y gasto en alimentos. In: *Nutrición y Pobreza: Política Pública Informada*. Eds Rubio G, López Acevedo G, González de Cossío T, Rivera Dommarco J. Secretaría de Desarrollo Social, Banco Mundial, Instituto Nacional de Salud Pública, Mexico.

González de Cossío T, Gutiérrez JP, González-Castell D, Rodríguez-Ramírez S, Unar M, **Leroy** J, Gadsden P, Hernández-Licona G, Gertler P (2008b). Evaluación de Impacto del Programa de Apoyo Alimentario. In: *Nutrición y Pobreza: Política Pública Informada*. Eds Rubio G, López Acevedo G, González de Cossío T, Rivera Dommarco J. Secretaría de Desarrollo Social, Banco Mundial, Instituto Nacional de Salud Pública, Mexico.

Hawkes C, Ruel M, Arimond M, Sifri Z, Benson T, **Leroy** JL, Berti P, Okidegbe N, Brown L, Larson G, Delgado C. (2007) *From Agriculture to Nutrition – Pathways, Synergies, and Outcomes*. World Bank, Washington DC.

Neufeld LM, Garcia Guerra A, **Leroy** JL, Flores Lopez M, Fernandez Gaxiola AC, Rivera Dommarco JA (2006) Alimentación. In: *Evaluación externa de impacto del Programa Oportunidades 2006*. Eds Hernández Prado B, Hernández Avila M. Instituto Nacional de Salud Pública, Mexico.

Reports

Leroy, JL, Ruel, M, Verhofstadt, E, & Olney, D. Micronutrient impact of multisectoral programs focusing on nutrition: examples from conditional cash transfer, microcredit with education, and agricultural programs. *Micronutrient Forum*, 2009.

Leroy JL, Gutiérrez JP, Denova E, Ventura C, Rivera JA. (2006) Análisis del impacto de intervenciones nutricionales en el grupo materno-infantil. Prepared for the World Food Program.

Leroy JL (2005) *The Links between Livestock Keeping and Nutritional Well-being*. A review of the literature. International Livestock Research Institute.

Simler K., **Leroy** J, Mensah-Homiah, Rames V. and Ruel M. (2003). Report of the 2001 Survey in Savelugu-Nanton District. International Food Policy Research Institute, Washington DC.

Conference Abstracts & Presentations

(invited) Leroy JL (2009). The Nutritional Impact of Conditional Cash Transfer Programs. 19th International Congress of Nutrition. Bangkok, Thailand.

Leroy JL, Gadsden P, Gertler P (2009). Impact of cash and in-kind transfers on women's weight in rural Mexico. 19th International Congress of Nutrition. Bangkok, Thailand.

Leroy JL, Verhofstadt E, Frongillo EA, Neufeld LM (2009). Combining child weight-for-height and height-for-age to identify macronutrients as a limiting factor for growth. Federation for the American Societies for Experimental Biology (FASEB). New Orleans, USA.

(invited) Leroy JL, Habicht JP, Rivera J (2008). Child mortality: What we count counts. Invited presentation at the Joint Statistical Meetings (annual meeting of the American Statistical Association, the International Biometric Society (ENAR and WNAR), the Institute of Mathematical Statistics, and the Statistical Society of Canada). Denver, USA.

Leroy JL, Gadsden P, Gutiérrez JP, Rodriguez S, González-Cossío T (2008). Conditional and in-kind transfers improve the quality of the household diet in rural Mexico. Federation for the American Societies for Experimental Biology (FASEB). San Diego, USA.

Ramirez I, Rivera J, **Leroy** JL (2008). Effects of the Mexican program Oportunidades on the dietary intake of energy, iron, zinc and vitamin A in children 1 to 4 years old in rural areas. Federation for the American Societies for Experimental Biology (FASEB). San Diego, USA.

- Leroy JL, García-Guerra A, Neufeld L (2008).** The impact of three supplements with identical micronutrient content on morbidity in Mexican children. Federation for the American Societies for Experimental Biology (FASEB). San Diego, USA.
- Leroy JL, Menon P (2007)** Introduction to the symposium "From Efficacy Trial to Public Health Impact: Improving Delivery and Utilization of Nutrition Programs". Federation for the American Societies for Experimental Biology (FASEB). Washington DC, USA.
- (invited) Bertozzi SM, Leroy JL, Vermandere H (2007).** Delivery and utilization of the Oportunidades Program in Mexico: studying determinants on the supply and demand side. Federation for the American Societies for Experimental Biology (FASEB). Washington DC, USA.
- Leroy JL, Gutiérrez JP, Gadsden P, González-Cossío T, Hernández Licona G, Rivera J (2007)** Conditional cash and in-kind transfers increase household total and food consumption in poor rural communities in Mexico. Federation for the American Societies for Experimental Biology (FASEB). Washington DC, USA.
- Gadsden P, Gutiérrez JP, **Leroy JL**, González-Cossío T, Hernández-Licona G, Rivera-Dommarco JA (2007). Transferencias condicionadas en efectivo/especie aumentan el consumo de alimentos en hogares pobres en México. XII congreso de investigación en salud pública. Cuernavaca, Mexico.
- T. González-de-Cossío, JP Gutiérrez, D González-Castell, S Rodríguez-Ramírez, M Unar, J. **Leroy**, P Gadsden, G Hernández-Licona, P Gertler (2007). Evaluación de Impacto del Programa de Apoyo Alimentario. XII congreso de investigación en salud pública. XII congreso de investigación en salud pública. Cuernavaca, Mexico.
- Leroy JL, García A, García R, Rivera J, Neufeld LM (2006).** The Oportunidades program improves child growth in urban areas in Mexico: results from a large scale effectiveness study. 1st World Congress of Public Health Nutrition, Barcelona, Spain.
- Leroy JL, Frongillo EA (2006).** Does the promotion of animal production improve nutrition? Federation for the American Societies for Experimental Biology (FASEB). San Francisco, USA.
- Leroy JL, Gutiérrez JP, Rodríguez S, González de Cossío T (2006).** The association between overweight and household expenditure in adult women living in poor rural communities in Mexico. Federation for the American Societies for Experimental Biology (FASEB). San Francisco, USA.
- Neufeld L, JL Leroy, J Rivera (2005). Maternal overweight concurrent with child stunting in poor families from urban Mexico. World Congress on the Fetal Origins of Adult Disease, Toronto, Canada.
- Leroy JL, D. Sotres, J. Jimenez, J Rivera, L Neufeld (2005).** "The impact of the Oportunidades program on child growth in urban areas in Mexico." 18th International Congress of Nutrition. Durban, South Africa.
- Leroy JL, JP Habicht (2005).** "My father is the head of the household". Federation for the American Societies for Experimental Biology (FASEB). San Diego, USA.
- Habicht, JP, **Leroy JL**, G Pelto, SM Bertozzi, J Bryce, J Rivera (2004). "Prioritizing research to meet the MDGs* requires structural and funding change: Beyond the 10/90 gap". Global Forum for Health Research (Forum 8), Mexico City, Mexico.
- Leroy JL, JP Habicht and G Pelto (2004).** "Caregiver knowledge and the transfer of household foods to the child's plate." FASEB Journal 18(4): A490.
- Leroy JL, JP Habicht and G Pelto (2003).** "Childcare and child nutrition: the importance of distinguishing between behaviors and resources in the causation of poor growth." XIII Congreso Latinoamericana de Nutrición, Acapulco, Mexico.
- Leroy JL, JP Habicht, et al. (2003).** "Household dietary diversity is associated with child dietary diversity and nutritional status." FASEB Journal 17(4): A713.

Leroy JL, JP Habicht, et al. (2003). "The number of different starches in a child's diet is associated with both diet diversity and growth in Northern Ghana." The Fifth International Conference on Dietary Assessment Methods, Chiang Rai, Thailand.

Leroy JL and JP Habicht (2001). "The use of nutritional status of the child as the outcome variable and the problem of biased estimates." Promoting growth and development of under fives, Antwerp, Belgium.

Leroy JL, MW Blum, et al. (2000). "Can maternal body mass index (BMI) differentiate between the need for more food or for better maternal education in families with malnourished children?" FASEB Journal 14(4): A792.

Leroy JL, CJ van Rooyen, L D'Haese, A De Winter (1999). "Business orientation and the food security status of small scale producers in the Venda region, South Africa." Annual conference of the the Agricultural Economics Association of South Africa.