

**Jef L Leroy**  
Curriculum Vitae

### **Work address**

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International Food Policy Research Institute  
1201 I St NW  
Washington, DC 20005  
USA

### **Education**

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- 1998-2005      Cornell University, NY, USA - Doctor of Philosophy  
Major: International Nutrition – Minors: Statistics, Epidemiology
- 1995-1998      Ghent University, Belgium – Master of Science (*Supra cum Laude*)  
*Agricultural and Applied Biological Engineering*
- 1995-1998      Ghent University, Belgium – Degree of Teacher (*Magna cum Laude*)  
Academic Teacher Training
- 1993-1995      Ghent University, Belgium - Bachelor of Science (*Supra cum Laude*)  
applied Biological Sciences

### **Professional development**

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- 2014            Advanced leadership training, European Nutrition Leadership Platform
- 2007            European Nutrition Leadership Program, Luxembourg

### **Languages**

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

### **Professional Experience**

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- 2015-present    International Food Policy Research Institute (IFPRI), Washington DC, USA  
Theme Leader for Nutrition-Sensitive Programs and for West-Africa
- 2014-present    International Food Policy Research Institute (IFPRI), Washington DC, USA  
Senior Research Fellow
- 2009-2013      International Food Policy Research Institute (IFPRI), Washington DC, USA  
Research Fellow
- 2005-2009      Instituto Nacional de Salud Pública (INSP), Cuernavaca, Mexico  
Research Associate

2000-2002 International Food Policy Research Institute, Washington DC  
 2001-2002 Fieldwork Manager Northern Ghana

## Projects

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### **Key research projects**

- 2022-2026 Optimizing approaches to wasting detection and enrollment into treatment (UNICEF)  
 Co-Principal Investigator – 2,000,000 USD
- 2021-2024 Evaluating the effectiveness of the Ehsaas Nashonuma Programme in Pakistan (Aga Khan University)  
 Investigator – 471,000 USD
- 2021-2023 Strengthening a continuum of care strategy to address child wasting: a mixed-methods implementation research study in two Sahelian country settings  
 Co-Principal Investigator – 300,000 USD
- 2020-2022 Generating Evidence on Integrated Approaches for the prevention and treatment of child wasting  
 Co-Principal Investigator – 2,400,000 USD
- 2020-2022 Developing Guidance for RCTs in Agriculture, Nutrition, and Health (University of South Carolina)  
 Co-Principal Investigator – 51,000 USD
- 2020-2022 The Accra food environment and adolescent nutrition study (Global Affairs Canada)  
 Co-Principal Investigator – 1,900,000 USD
- 2017-2022 Leveraging social safety net programs in Bangladesh for improved nutrition outcomes (Bill&Melinda Gates Foundation)  
 Co-Principal Investigator - 4,614,883 USD
- 2017-2023 MoreMilk: making the most of milk (Bill&Melinda Gates Foundation grant to ILRI)  
 Principal Investigator (IFPRI portion) – 770,000 USD
- 2010-2016 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)  
 Co-Principal Investigator - 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
- 2008-2009 The impact of conditional cash and in-kind transfers on women's body weight in rural Mexico (UCMEXUS)  
Principal Investigator – 25,000 USD
- 2007-2008 Impact evaluation of the Oportunidades program, long-term follow-up in rural areas (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
- 2007-2008 Impact evaluation of “Daycare centers for working mothers” (Mexican Ministry of Social Development, SEDESOL)  
Principal Investigator – 8,400,000 MXN (840,000 USD)
- 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 (Oportunidades Program)  
Investigator – 1,680,000 US
- 2009 The impact of daycare programs on the child health, nutrition and development in developing countries (3ie – International Initiative for Impact Evaluation)  
Principal Investigator – 40,000 USD
- 2008 The impact of indirect (long-term) programs on micronutrient status – a review of the literature (IFPRI)  
Principal Investigator – 25,000 USD
- 2006 Impact analysis of nutrition interventions in mothers and children in Central America (WFP, Panama)  
Principal Investigator – 37,000 USD
- 2006 A review of the literature on the determinants of foods and diets associated with cancer (IFPRI)  
Principal Investigator – 13,000 USD
- 2005-2007 An estimation of the role of chronic diarrhea disease and its contribution to malnutrition (Fogarty International Center, NIH)  
Principal Investigator – 10,000 USD

- 2004-2005     Review of the links between livestock keeping and nutritional well-being  
(Cornell University)  
Principal Investigator – 6,000 USD

### Honors and Awards

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- 2007            Teaching award National Institute of Public Health/Mexican School of Public Health
- 2006, 2007     Fellow International Nutrition Foundation
- 2004            Winner of the Society for International Nutrition Research Graduate Student Competition
- 1999-2004     Howard Hughes Medical Institute Predoctoral Fellow
- 1998-1999     Belgian American Educational Foundation Graduate Fellow

### Professional Membership

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- 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), Global Nutrition Council
- Member Governing Committee of the Global Nutrition Council, ASN (2011-2013)

### Professional Positions

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- 2018-present   Member, Editorial Board, Journal of Nutrition
- 2016-present   Member, Expert Advisory Group, National Information Platforms for Nutrition (NIPN)
- 2014-2017     Member, Expert Advisory Group, Fill the Nutrient Gap, World Food Program
- 2005-2016     Board Member, Gamma-Alpha Graduate Science Society, Cornell University Chapter
- 2003-2004     Treasurer, Gamma-Alpha Graduate Science Society, Cornell University Chapter

### Meetings organized

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- 2021            Learning laboratory *Conducting randomized controlled trials of complex interventions in agriculture, nutrition, and health*, Agriculture, Nutrition, and Health Academy Week, virtual
- 2020            Symposium, *Urban food systems for better diets and health: new research and innovations*, 4th International Conference on Global Food Security, virtual, December
- 2020            Symposium, *Agriculture and nutrition: recent learning and future directions*, Micronutrient Forum 5th Global Conference, virtual, October
- 2020            Plenary, *Supporting adequate child growth in times of crisis: Why does it matter?* POSHAN implementation research conference, virtual, September
- 2020            Plenary, *Complex randomized controlled trials*, Agriculture, Nutrition, and Health Academy Week, virtual

- 2019 Learning laboratory *Appropriate use of linear growth*, Agriculture, Nutrition, and Health Academy Week, Accra, Hyderabad, India
- 2019 Symposium, *Catch-up in child growth and development*, Nutrition 2019, Baltimore
- 2018 Learning laboratory *Appropriate use of linear growth*, Agriculture, Nutrition, and Health Academy Week, Accra, Ghana, June
- 2018 Symposium, *La complejidad de la doble carga de la malnutrición: de la fisiología a las políticas*, Congreso SLAN, Guadalajara, Mexico
- 2017 Symposium, *Meaning of linear growth: Appropriate use of growth as a measure in development*, International Congress of Nutrition, Buenos Aires, October
- 2017 Symposium, *The need for global leadership in nutrition*, International Congress of Nutrition, Buenos Aires, October
- 2016 Symposium, *Guatemala's PROCOMIDA Program: The theory and practice behind a comprehensive evaluation of nutrition sensitive program*, Congreso SLAN, Punta Cana, Dominican Republic
- 2013 Symposium, *Generating evidence of impact for integrated programs aimed to improve child nutrition during the first 1000 days*, International Congress of Nutrition, Granada, Spain
- 2012 Joint BMGF-IFPRI meeting, *The impact of mycotoxins on child nutritional status*, Washington DC
- 2012 Symposium, *Generating relevant knowledge for policy and action: Rigorous evaluations of interventions to improve programming and decision making*, World Public Health Nutrition Conference, Rio de Janeiro, Brazil.
- 2011 Symposium, *Measuring the health and nutrition impact of large-scale programs: using RCTs and beyond*, 3ie Mind the Gap Conference, Cuernavaca, Mexico.
- 2009 Symposium, *Protecting nutrition in times of food price crisis: Programs and policy responses*, International Conference on Nutrition, Bangkok, Thailand.
- 2007 Symposium, *From Efficacy Trial to Public Health Impact: Improving Delivery and Utilization of Nutrition Programs*, Experimental Biology, Washington DC, USA

### Teaching and Capacity Building

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- 2019 Invited lecture, *What does stunting really mean?*, Graduate course, Inge Brouwer, Wageningen University, April
- 2019 Invited lecture, *What does stunting really mean?*, Graduate course, Uriyoan Colon-Ramos, George Washington University, April
- 2018 Invited lecture, *Evaluating the impact of integrated nutrition programs*, Graduate course Rebecca Heidkamp, Johns Hopkins University, October
- 2018 Invited lecture, *Evaluation of nutrition sensitive programs*, Graduate course, Uriyoan Colon-Ramos, George Washington University, April
- 2016 Invited lecture, *The impact of a food-assisted maternal and child health and nutrition program in Burundi on child and maternal Hb and anemia and pathways of impact*, Graduate course, Uriyoan Colon-Ramos, George Washington University, April
- 2014 Invited lecture, *The impact of cash and in-kind transfers in a Population of Women with a High Prevalence of Overweight in Rural Mexico*, Maastricht University, Netherlands, June
- 2014 Invited lecture, *Linear Growth Deficit Continues to Accumulate beyond the First 1000 Days in Low- and Middle-Income Countries*, Graduate course, Uriyoan Colon-Ramos, George Washington University, April

- 2013 Invited lecture, *The impact of cash and in-kind transfers in a Population of Women with a High Prevalence of Overweight in Rural Mexico*, Graduate course, Uriyoan Colon-Ramos, George Washington University, March
- 2012 Invited lecture, *The impact of multisectoral programs on child dietary diversity*, Graduate course, Uriyoan Colon-Ramos, George Washington University, February.
- 2011 Invited presentation, *Evaluating the nutritional impact of agricultural programmes: why and how?*, Comprehensive African Agricultural Development Programme (CAADP) Nutrition Program Development Workshop, Dakar, Senegal, November
- 2010 Invited lecture, *The Oportunidades* program, Graduate course, Suresh Babu, American University's School of International Service, April
- 2008, 2009, 2010 Short course on impact evaluation, MSc program in Nutrition and Rural Development, Ghent University (Belgium)
- 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 Organizer 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 Taught 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

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Audrey Papucci: *Evaluation of multiannual and seasonal cash transfers to prevent acute malnutrition*. Committee member PhD Thesis (2016). Ghent University, Belgium.

Roos Verstraeten: *A community intervention in school-going adolescents in Ecuador: a cluster randomized controlled trial*. Committee member PhD Thesis (2014). Ghent University, Belgium.

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.

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.

### Software components

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zscore06: Stata command for the calculation of anthropometric z-scores using the 2006 WHO child growth standards

### Publications

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#### Research articles in journals

- 1 **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.
- 2 **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.
- 3 **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)
- 4 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
- 5 **Leroy JL**, E Frongillo (2007c). "Can interventions to promote animal production ameliorate undernutrition?". *Journal of Nutrition* 137: 2311-2316.
- 6 **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.)
- 7 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.
- 8 **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.
- 9 **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.
- 10 **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.
- 11 **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.

- 12 **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.
- 13 BNS founding members (2009). "Establishing a Belgian Nutrition Society (BNS): Filling the Void (Editorial)". *Archives of Public Health*. 67: 4-6.
- 14 **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.
- 15 **Leroy JL**, Gadsden P, Guijarro M (2011). "The impact of daycare programs on child health, nutrition and development in developing countries: a systematic review." *International Initiative for Impact Evaluation Systematic Review* 007.
- 16 **Leroy JL**, Gadsden P, Guijarro M (2012). "The impact of daycare programs on child health, nutrition and development in developing countries: a systematic review." *Journal of Development Effectiveness*. 4(3): 472-496.
- 17 Verstraeten R, Roberfroid D, Lachat C, **Leroy JL**, Holdsworth M, Maes L, Kolsteren P (2012). "Effectiveness of preventive school-based obesity interventions in low- and middle-income countries: a systematic review." *American Journal of Clinical Nutrition*. 96(2):415-38.
- 18 **Leroy JL**, Gadsden P, González de Cossío T, Gertler P (2013). "Cash and in-kind transfers lead to excess weight gain in a population of women with a high prevalence of overweight in rural Mexico". *Journal of Nutrition*. 143: 378-383.
- 19 Ramírez-Silva I, Rivera JA, **Leroy JL**, Neufeld LM (2013). "The Oportunidades program's fortified food supplement, but not improvements in the home diet, increased the intake of key micronutrients in rural Mexican children 12-59 months of age". *Journal of Nutrition*. 143: 378-83.
- 20 **Leroy JL**, Ruel M, Habicht JP (2013). "Critical windows for nutritional interventions against stunting". *American Journal of Clinical Nutrition*. 98: 854-5.
- 21 **Leroy JL**, Habicht J-P, González de Cossío T, Ruel MT (2014). Maternal education mitigates the negative effects of higher income on the double burden of child stunting and maternal overweight in rural Mexico. *Journal of Nutrition*.144:765–70.
- 22 **Leroy JL**, Ruel M, Habicht J-P, Frongillo EA (2014). Linear Growth Deficit Continues to Accumulate beyond the First 1000 Days in Low- and Middle-Income Countries: Global Evidence from 51 National Surveys. *Journal of Nutrition*. 144:1460-1466.
- 23 **Leroy JL**, Ruel M, Habicht J-P, Frongillo EA (2014). Reply to Victora et al. *Journal of Nutrition*.144.
- 24 **Leroy JL**, Ruel M, Frongillo EA, Harris J, Ballard TJ (2015). Measuring the Food Access Dimension of Food Security: A Critical Review and Mapping of Indicators. *Food and Nutrition Bulletin*. 36(2):167-95
- 25 **Leroy JL**, Ruel M, Habicht J-P, Frongillo EA (2015). Using height-for-age differences (HAD) instead of height-for-age z-scores (HAZ) for the meaningful measurement of population-level catch-up in linear growth in children less than 5 years of age. *BMC Pediatrics*.15:145.



- 26 Hoffmann V, Jones K, **Leroy J** (2015). Mitigating aflatoxin exposure to improve child growth in Eastern Kenya: study protocol for a randomized controlled trial. *Trials*. 16(1):552
- 27 **Leroy JL**, Jones K, Wang JS (2015). Serum Aflatoxin B1-lysine adduct level in adult women from Eastern Province in Kenya depends on household socio-economic status: a cross sectional study. *Social Science and Medicine*. 146:104-10.
- 28 Schwartzbord JR, **Leroy JL**, Severe L, Brown DL (2016). Urinary aflatoxin M1 in Port-au-Prince and a rural community in northeast Haiti. *Food Addit Contam Part A*. 33(6):1036-42.
- 29 Jensen M, Frongillo EA, **Leroy JL**, Blake CE (2016). Participating in a food-assisted maternal and child nutrition and health program in rural Guatemala alters household dietary choices. *Journal of Nutrition*. 146: 1593-600.
- 30 Verstraeten R, **Leroy JL**, Pieniak Z, Ochoa-Avilès O, Holdsworth M, Verbeke W, Maes L, Kolsteren PW (2016). Individual and environmental factors influencing adolescents' dietary behavior in low- and middle-income settings. *PLOS One*. 11: e0157744
- 31 **Leroy JL**, Olney D, Ruel M (2016). Tubaramure, a food-assisted integrated health and nutrition program in Burundi affects maternal and child hemoglobin levels and reduces anemia: a theory-based cluster-randomized controlled intervention trial. *Journal of Nutrition*. 146: 1601-8.
- 32 Huybregts L, Becquey E, Zongrone A, Le Port A, Khassanova R, Coulibaly L, **Leroy JL**, Rawat R, Ruel MT (2017). The impact of integrated prevention and treatment on child malnutrition and health: the PROMIS project, a randomized control trial in Burkina Faso and Mali. *BMC Public Health*. 17:237.
- 33 **Leroy JL**, Olney D, Ruel M (2018). Tubaramure, a Food-Assisted Integrated Health and Nutrition Program reduces child stunting in Burundi: a Cluster-Randomized Controlled Intervention Trial. *JNutr*. 148:445-452.
- 34 **Leroy JL**, Sununtnasuk C, Ruel M (2018). Understanding the determinants of adolescent nutrition in Bangladesh. *Annals of the NYAS*. 1416: 18-30.
- 35 Ledlie N, Alderman H, **Leroy JL**, You L (2018). Rainfall shocks are not necessarily a sensitive early indicator of changes in wasting prevalence. *EJCN*. 72: 177-178.
- 36 **Leroy JL**, Sununtnasuk C, García-Guerra A, Wang JS (2018). Low level aflatoxin exposure associated with greater linear growth in southern Mexico: a longitudinal study. *MCN*. Accepted for publication.
- 37 Olney D, **Leroy JL**, Bliznashka L, Ruel M (2018). *PROCOMIDA*, a Food-Assisted Maternal and Child Health and Nutrition Program, Reduces Child Stunting in Guatemala: A Cluster-Randomized Controlled Intervention Trial. *JNutr*. 148: 1493–1505.
- 38 Hoffmann V, Jones K, **Leroy JL** (2018). The impact of reducing dietary aflatoxin exposure on child linear growth: a cluster randomised controlled trial in Kenya. *BMJ Global Health*. 3:e000983.
- 39 Frongillo EA, **Leroy JL**, Lapping K (2019). Appropriate Use of Linear Growth Measures to Assess Impact of Interventions on Child Development and Catch-Up Growth. *Advances in Nutrition*. 10(3):372-379.

- 40 **Leroy JL**, Frongillo EA (2019). Perspective: What Does Stunting Really Mean? A Critical Review of the Evidence. *Advances in Nutrition*. 10(2): 196-204.
- 41 Olney D, **Leroy JL**, Bliznashka L, Ruel M (2019). A Multisectoral Food-Assisted Maternal and Child Health and Nutrition Program Targeted to Women and Children in the First 1000 Days Increases Attainment of Language and Motor Milestones among Young Burundian Children. *Journal of Nutrition*. 149(10):1833-1842.
- 42 **Leroy JL**, Olney D, Ruel M (2019). PROCOMIDA, a Food-Assisted Maternal and Child Health and Nutrition Program, Contributes to Postpartum Weight Retention in Guatemala: A Cluster-Randomized Controlled Intervention Trial. *Journal of Nutrition*. 149(12):2219–2227.
- 43 Becquey E, Huybregts L, Zongrone A, le Port A, **Leroy JL**, Rawat R, Touré M, Ruel MT (2019). Impact on child acute malnutrition of integrating a preventive nutrition package into facility-based screening for acute malnutrition during well-baby consultation: A cluster-randomized controlled trial in Burkina Faso. *PLOS Medicine*. 16(8):e1002877.
- 44 Huybregts L, le Port A, Becquey E, Zongrone A, Barba F, Rawat R, **Leroy JL**, Ruel MT (2019). Impact on child acute malnutrition of integrating small-quantity lipid-based nutrient supplements into community-level screening for acute malnutrition: A cluster randomized controlled trial in Mali. *PLOS Medicine*. 16(8):e1002892.
- 45 Heckert J, **Leroy JL**, Olney DK, Richter S, Iruhiriye E, Ruel MT (2020). The cost of improving nutritional outcomes through food-assisted maternal and child health and nutrition programs in Burundi and Guatemala. *Maternal and Child Nutrition*. 16(1):e12863.
- 46 **Leroy JL**, Olney D, Bliznashka L, Ruel M (2020). *Tubaramure*, a food-assisted maternal and child health and nutrition program in Burundi, increased household food security and energy and micronutrient consumption, and maternal and child dietary diversity: a cluster-randomized controlled trial. *Journal of Nutrition*. 150(4):945-957.
- 47 Quisumbing AR, Ahmed A, Gilligan D, Hoddinott J, Kumar N, **Leroy JL**, Menon P, Olney DK, Roy S, Ruel M (2020). Randomized controlled trials of multi-sectoral programs: Lessons from development research. *World Development*. 127:104822.
- 48 Barba F, Huybregts L, **Leroy JL** (2020). Incidence correction factors for moderate and severe acute child malnutrition from two longitudinal cohorts in Mali and Burkina Faso. *American Journal of Epidemiology*. 189 (12), 1623-1627.
- 49 **Leroy JL**, Frongillo EA, Dewan P, Black MM, Waterland RA (2020). Can children catch up from the consequences of undernourishment? Evidence from child linear growth, developmental epigenetics, and brain and neurocognitive development. *Advances in Nutrition*. 11 (4), 1032-1041.
- 50 **Leroy JL**, Olney D, Nduwabike N, Ruel M (2021). *Tubaramure*, a Food-Assisted Integrated Health and Nutrition Program, reduces child wasting in Burundi: a Cluster-Randomized Controlled Intervention Trial. *Journal of Nutrition*. 151 (1), 197-205.
- 51 Frongillo EA, **Leroy JL** (2021). Evaluation of Complex Agriculture, Nutrition, and Health Interventions Leading to Sustainable Healthy Diets. *Journal of Nutrition*. 151 (7), 1682-1683.
- 52 Dewey K, Wessells KR, Arnold CD, Prado EL, Abbeddou S, Adu-Afarwuah S, Ali H, Arnold BF, Ashorn P, Ashorn U, Ashraf S, Becquey E, Bendabenda J, Brown K, Christian P, Colford

- JM, Dulience SJL, Fernald LCH, Galasso E, Hallamaa L, Hess SY, Humphrey JH, Huybregts L, Iannotti LL, Jannat K, Lartey A, Le Port A, **Leroy JL**, Luby SP, Maleta k, Matias SL, Mbuya MNN, Mridha MK, Nkhoma M, Null C, Paul RR, Okronipa H, Ouedraogo JB, Pickering AJ, Prendergast AJ, Ruel M, Shaikh S, Weber AM, Wolff P, Zongrone A, Stewart CP (2021). Characteristics that modify the effect of small-quantity lipid-based nutrient supplementation on child growth: an individual participant data meta-analysis of randomized controlled trials. *American Journal of Clinical Nutrition*. 114 (S1), 15S-42S.
- 53 Wessells KR, Arnold CD, Stewart CP, Prado EL, Abbeddou S, Adu-Afarwuah S, Arnold BF, Ashorn P, Ashorn U, Becquey E, Brown KH, Byrd KA, Campbell RK, Christian P, Fernald LCH, Fan YM, Galasso E, Hess SY, Huybregts L, Jorgensen JM, Kiprotich M, Kortekangas E, Lartey A, Le Port A, **Leroy JL**, Lin A, Maleta K, Matias SL, Mbuya MNN, Mridha MK, Mutasa K, Naser AM, Paul RR, Okronipa H, Ouedraogo JB, Pickering AJ, Rahman M, Schulze K, Smith LE, Weber AM, Zongrone A, Dewey KG (2021). Characteristics that modify the effect of small-quantity lipid-based nutrient supplementation on child anemia and micronutrient status: an individual participant data meta-analysis of randomized controlled trials. *American Journal of Clinical Nutrition*. 114 (S1), 68S-94S.
- 54 **Leroy JL**, Koch B, Roy S, Gilligan D, Ruel M (2021). Social assistance programs and birth outcomes: a systematic review and assessment of nutrition and health pathways. *Journal of Nutrition*. 151 (12), 3841-3855.

### Books and book chapters

- 1 Larson LM, Frongillo EA, **Leroy JL** (2022). Growth monitoring and promotion. In: *Encyclopedia of Human Nutrition, Fourth Edition*. Eds [to be completed]. Elsevier.
- 2 Ruel MT, **Leroy JL**, Ecker O, Hernandez M, Resnick D, Thurlow J (2020). Urban food systems and diets, nutrition, and health of the poor: Challenges, opportunities, and research gaps. In: *Handbook on Urban Food Security in the Global South*. Eds Crush J, Frayne B, Haysom G. Edwar Elgar Publishing.
- 3 Olney DK, **Leroy JL**, Ruel M (2017). Evaluation of Nutrition Sensitive Interventions. In: *Nutrition and Health in Developing Countries*. Eds Taren D, de Pee S, Bloem MW. Springer.
- 4 **Leroy JL**, Olney DK, Ruel M (2016). Evaluating nutrition-sensitive programs: challenges, methods, and opportunities. In: *Achieving a nutrition revolution for Africa: The road to healthier diets and optimal nutrition*. Eds Covic N, Hendriks S. IFPRI.
- 5 **Leroy JL**, Ruel M, Habicht J-P, Frongillo EA (2015). Using Height-for-Age Difference instead of Height-for-Age Z-scores for the Meaningful Measurement of Catch-up Growth in Children Less than 5 Years of Age. In: *The Fight Against Hunger and Malnutrition - The Role of Food, Agriculture, and Targeted Policies*. Ed Sahn D. Oxford University Press.
- 6 **Leroy, JL** (2013). Child stunting and aflatoxins. In: *Aflatoxins: Finding Solutions for Improved Food Safety*. 2020 Vision Focus 20(4).Eds Unnevehr, L.J., Grace, D. International Food Policy Research Institute (IFPRI), Washington DC.
- 7 Arimond M, Hawkes C, Ruel MT, Sifri Z, Berti PR, **Leroy JL**, Low JW, Brown LR, Frongillo EA (2010). 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.

- 8 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.
- 9 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.
- 10 **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.
- 11 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.
- 12 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.**
- 13 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 Publica, Mexico.

### **Selected Reports**

- 1 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
- 2 **Leroy JL** (2005) The Links between Livestock Keeping and Nutritional Well-being. A review of the literature. International Livestock Research Institute.
- 3 **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.
- 4 **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.

**Opinion pieces**

- 1 **Leroy JL.** April 18, 2019. Ending undernutrition requires a different focus on stunting. devex. <https://www.devex.com/news/opinion-ending-undernutrition-requires-a-different-focus-on-stunting-94555>
- 2 **Leroy JL.** October 21, 2020. Zijn alle kinderen gelijkwaardig? [*Are all children equal?*]. De Standaard. [https://www.standaard.be/cnt/dmf20201020\\_97607948](https://www.standaard.be/cnt/dmf20201020_97607948)
- 3 **Leroy JL,** Ruel M. December 10, 2020. Covid-19 And The Irreversible Marks Undernutrition Will Leave In Its Wake. Poshan Outlook India. <https://poshan.outlookindia.com/story/poshan-news-covid-19-and-the-irreversible-marks-undernutrition-will-leave-in-its-wake/366864>
- 4 **Leroy JL.** February 19, 2021. We moeten nu voorkomen dat de pandemie de voeding van kinderen verder ondermijnt [*We must now stop the pandemic from further undermining children's nutrition*]. Mondiaal Nieuws. <https://www.mo.be/opinie/we-moeten-nu-voorkomen-pandemie-voeding-kinderen-verder-ondermijnt>
- 5 **Leroy JL.** January 12, 2022. We moeten minder kinderen krijgen, niet meer [*We should have fewer children, not more*]. De Standaard. [https://www.standaard.be/cnt/dmf20220111\\_98077694](https://www.standaard.be/cnt/dmf20220111_98077694)