

## Curriculum Vitae

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### Education:

June/2007 – PhD (Economics) at the University of Chicago, Chicago, USA.  
June/2000 – M.Sc. (Economics) at Fundação Getúlio Vargas, Rio de Janeiro, Brazil.  
February/1995 – BA (Economics) at Universidade Federal de Minas Gerais, Belo Horizonte, Brazil.

### Employment:

July 2019 – Ervin Kenneth Zigler Professor, Rice University.  
July/2017 – June/2019 - Professor, Rice University.  
July/2014 – June/2017 - Associate Professor, Rice University.  
July/2008 – June/2014 - Assistant Professor, University of Pennsylvania.  
July/2007 – June/2008 - Lecturer, University of Pennsylvania.

### Published and Forthcoming Papers:

- **The Econometrics of Early Childhood Human Capital and Investments**, with Eric Nielsen and Benjamin Williams, accepted for publication with minor revisions, *Annual Review of Economics*.
- **You are What Your Parents Think: Height and Local Reference Points**, with Fan Wang, Esteban Puentes, and Jere Behrman, accepted for publication with minor revisions, *Journal of Econometrics*.
- **Maternal Subjective Expectations about the Technology of Skill Formation Predict Investments in Children One Year Later**, with Irma Elo and Jennifer Culhane, In Press, *Journal of Econometrics*.
- **Persistence and Fade-Out of Educational-Intervention Effects: Mechanisms and Potential Solutions**, with Drew Bailey, Greg Duncan, Barbara Foorman, and David Yeager, *Psychological Science in the Public Interest*, Vol. 21(2), pp. 55-97.
- **Early Life Height and Weight Production Functions with Endogenous Energy and Protein Inputs**, (with Jere Behrman, Linda Adair, Judith Borja, John Hoddinott, John Maluccio, Reynaldo Martorell, Esteban Puentes, Aryeh Stein, and Fan Wang), Vol. 22(2), pp. 65–81, September/2016, *Economics and Biology*.
- **Decomposing Trends in Inequality in Earnings into Forecastable and Uncertain Components**, (with James Heckman), Vol. 34(S2), pp. 31-65, April/2016, *Journal of Labor Economics*.
- **Subjective Rationality, Parenting Styles, and Investments in Children**. In P. Amato, A. Booth, S. McHale, & J. Van Hook (Eds.), *Diverging destinies: Families in an era of increasing inequality*, Chapter 2, pp. 45-55, 2014, New York: Springer.
- **Returns to Skills and the College Premium**, *Journal of Money, Credit, and Banking*, Vol 43(IS1), pp. 39-86, 2011, (with Fatih Karahan and Ilton Soares).
- **Recent Developments in the Estimation of Production Functions of Skills**, *Fiscal Studies*, Vol. 32(2), pp. 297-316, June/2011.
- **Estimating the Elasticity of Intertemporal Substitution in the Formation of Cognitive and Non-Cognitive Skills**, *Econometrica*, Vol. 78(3), pp. 883-931, May/2010, (with James Heckman and Susanne Schennach).
- **Human Capital Formation in Childhood and Adolescence**, *CESifo Journal for Institutional Comparisons*, Vol. 7(4), pp. 22-28, Winter/2009, (with James Heckman).
- **Crossing the Finish Line: A Review Article**, *Journal of Human Capital*, Vol. 3(4), pp. 354-378, Winter/2009.
- **Investing in our Young People**, in A. Reynolds, ed., *Cost-Effective Early Childhood Programs in the First Decade: A Human Capital Integration*, Chapter 18, pp. 381-414, 2010, New York: Cambridge University Press, (with James Heckman).

- **Early Childhood Education and its Importance in Reducing Violence**, in F. Giambiagi, R. Henriques, S. Pessoa, and F. Velloso, eds., *Educação Básica no Brasil: Construindo um Futuro Melhor*, Chapter 5, pp. 95-116, 2009, Rio de Janeiro: Elsevier, (in Portuguese, with Aloisio Araujo, James Heckman, and Rodrigo Moura).
- **The Economics and Psychology of Inequality and Human Development**, *Journal of the European Economic Association*, Vol. 7(2-3), pp. 1-48, April/May 2009, (with James Heckman).
- **Formulating, Identifying, and Estimating the Technology for the Formation of Skills**, *Journal of Human Resources*, Vol. 43(4), pp. 738-782, Fall/2008, (with James Heckman).
- **A Framework for the Analysis of Inequality**, *Macroeconomic Dynamics*, Vol. 12(S2), pp. 315-354, September/2008 (with James Heckman).
- **Identifying and Estimating the Distributions of Ex Post and Ex Ante Returns to Schooling: A Survey of Recent Developments**, *Labour Economics*, Vol. 14(6), pp. 870-893, December/2007, (with James Heckman)
- **The Identification and Economic Content of Ordered Choice Models with Stochastic Cutoffs**, *International Economic Review*, Vol. 48(4), pp. 1273-1309, November/2007, (with James Heckman and Salvador Navarro).
- **The Technology of Skill Formation**, *American Economic Review P&P*, Vol. 97(2), pp. 31-47, May/2007, (with James Heckman).
- **Interpreting the Evidence on Life Cycle Skill Formation**, in E. Hanushek and F. Welch, eds., *The Handbook of Economics of Education*, Chapter 12, pp. 697-812; 2006, Amsterdam: North Holland, (with James Heckman, Lance Lochner and Dimitryi Masterov).
- **Counterfactual Analysis of Inequality and Social Mobility**, in G. Fields, D. Grusky and S. Morgan eds., *Mobility and Inequality: Frontiers of Research from Sociology and Economics*, Chapter 4, pp. 290-346; 2006, Palo Alto: Stanford University Press, (with James Heckman and Salvador Navarro).
- **Separating Uncertainty from Heterogeneity in Life Cycle Earnings**, *Oxford Economic Papers*, Vol. 57(2), pp. 191-261, April/2005 (with James Heckman and Salvador Navarro).

#### Working Papers:

- **Language Environment and Maternal Expectations: An Evaluation of the LENA Start Program**, with Marsha Gerdes and Snejana Nihtianova, submitted for publication.
- **Maternal Beliefs and Investments in Children**, with Orazio Attanasio and Pamela Jervis, submitted for publication.
- **An Evaluation of the Alief Independent School District Jump Start Program: Using a Model to Recover Mechanisms from an RCT**, with Kenneth I. Wolpin, submitted for publication.
- **Implementation and Evaluation of a Parenting Education Program in Rural Northeast Brazil: The Case of PADIN**, with Rita Almeida, Leandro Costa, and Jimmy Oliveira.
- **An Evaluation of the Food Scholarship Program on College Graduation**, with Kenneth I. Wolpin.

#### Ongoing Projects:

- **Evaluation of LENA Start Program at Alief ISD**: Evaluation of a Parenting Program that focuses on providing information and measurement of the language environment of young children.
- **The Labor Market of the Early Childhood Education Sector**: In this project, we are studying the supply and demand for workers in the early childhood sector in Texas. Our data allows us to construct longitudinal histories for any individual born between 1981 and 1990 who worked in Texas. Our goal is to understand how to improve recruitment and retention in this sector.
- **The Impact of the Community Youth Development Program**: The goal of the program is to promote positive youth development of adolescents enrolled in schools that serve disadvantaged families. We are evaluating the impact of the program on educational attainment (high school graduation), participation in post-secondary education as well as graduation, and labor market outcomes.

#### Doctoral Advising:

Thesis Advisor of:

Qinyou Hu (expected graduation rate: 2022), Marcos Lee (expected graduation rate: 2022), Kuan Chen (expected graduation rate: 2022), Rabia Telli (expected graduation date: 2021), Hira Farooqi (expected graduation date: 2021),

Andrea Salvati (expected graduation date: 2021), Mehreen Gul (2020), Bolun Li (2020), Nick Frazier (2017), Zoe Pham (2017), Fan Wang (University of Pennsylvania, 2015)

Thesis Committee Member of:

Ajinkya Keskar (expected graduation date: 2021), Margareth McKeehan (2016), Diego Amador Osuna (2015). Universidad de los Andes, Colombia; Eun-Young Shim (2014). UC San Diego (Post-Doc); Lingwen Huang (2014). USC Marshall School of Business (Adjunct Professor); Nicolas Grau (2014). Universidad of Chile; Pilar Alcade (2013). Universidad de los Andes, Chile; Fatih Karahan (2012). Federal Reserve Bank of New York; Karam Kang (2012). Carnegie Mellon University; Drew Griffen (2012). First job: University of Tokyo; David Mann-Podraskey (2011). First job: Mathematica; Ellie Harvil (2011). First job: Abt Associates; Marco Cosconati (2009). First job: Inter-American-Development Bank.

#### **Awards:**

August/2014: Frisch Medal Award for “Estimating the Elasticity of Intertemporal Substitution in the Formation of Cognitive and Non-cognitive Skills”, *Econometrica*, 78(3), 883-931, jointly authored with James Heckman and Susanne Schennach. The Frisch Medal is awarded by the Econometric Society to encourage the creation of good applied work and its submission to *Econometrica*. It is given every two years for an applied article (empirical or theoretical) published in *Econometrica* during the past five years.

April/2010: Kravis Award for Distinction in Undergraduate Teaching.

#### **Grants and Fellowships:**

June/2020: Samuels Family Foundation: “Can a Scalable Parenting Program Improve Children's Readiness for School? An Evaluation of the LENA Start Program.” Direct costs: \$100,000.

December/2019: Houston Endowment: “Early Childhood Projects in Harris County.” Direct Costs: \$464,197.

September/2019: Powell Foundation: Program implementation funds for “Can a Scalable Parenting Program Improve Children's Readiness for School? An Evaluation of the LENA Start Program.” Direct costs: \$106,600.

September/2019: Smith Richardson Foundation: Program evaluation funds for “Can a Scalable Parenting Program Improve Children's Readiness for School? An Evaluation of the LENA Start Program.” Direct costs: \$233,717.

October/2017: Hurricane Harvey Child-Focused Response: Road to Recovery: The Trinkka and Sam Early Childhood Psychosocial Support Program, UNICEF USA, \$158,193

September/2017: An evidence-based parenting program targeting pregnant women or women with infants age 0-12 months in Houston WIC offices, Episcopal Health Foundation, \$465,410, PI: Quianta Moore

April/2016: Evaluation of the Alief Independent School District Jumpstart Program, Arnold Foundation, \$499,029, Co-PI with Kenneth I. Wolpin.

April/2016: Evaluation of the Food Scholarship Program at Lone Star College and San Jacinto College, Arnold Foundation, \$476,632, Co-PI with Kenneth I. Wolpin.

April/2013: Institute for Research on Poverty Grant for “What Job Characteristics do Mothers of Very Young Children Value the Most?” Total direct costs: \$17,000.00.

December/2012: NIH R01 Grant for the “Philadelphia Human Development Study”, Waves 1 to 3. Total direct costs \$2,332,803.00

October/2012: Grand Challenges Canada “Saving Brains” (PI: Jere Behrman). Total direct costs: \$881,709.00

December/2011: INET Project Grant for “Eliciting Maternal Beliefs about the Technology of Skill Formation.” Total direct costs: \$164,745.00

July/2011: NICHD-PARC Project Grant. Total direct costs: \$20,000.00

July/2008: NICHD-PSC Project Grant. Total direct costs: \$20,000.00

Sep/2005: The CED Fellowship for the study of Skill Formation.

Sep/2004: The Claudio Haddad Dissertation Fund at the University of Chicago.

Sep/2000: CAPES scholarship for PhD in economics at University of Chicago.

#### **Other Activities:**

July/2016-June/2020 – Member of NIH Social Sciences and Population Studies Study Section B.

July/2020-Present – Member, US National Assessment of Educational Progress Questionnaire Standing Committee

Program Committee Member of the following conferences:

- XXIX Encontro Brasileiro de Econometria, Recife, Brazil.

- 2008 Latin American Meetings of the Econometric Society; Rio de Janeiro, Brazil (2008); Sao Paulo, Brazil (2014).
- Meetings of the Society for Economic Dynamics; Istanbul, Turkey (2009); Montreal, Canada (2010); Ghent, Belgium (2011); Limassol, Cyprus (2012); Seoul, South Korea (2013).
- 2010 Meetings of the Latin American and Caribbean Economic Association; Medellin, Colombia.
- 2016 North American Summer Meetings of the Econometric Society; Philadelphia, PA.
- 2017 Society for Labor Economics (SOLE) Meeting; Raleigh, NC.
- 2020 EALE/SOLE/AASLE Summer Meetings; Bonn, Germany.

**Co-Organizer:**

- Meeting on Early Childhood Education: An Integrated Approach: Economics, Education, and the Neurosciences, December/2009; Rio de Janeiro, Brazil.
- Co-Organizer: Meeting on Family Economics and Human Capital in the Family, June/2012, Bank of Italy, Rome.
- Meeting on Family and Inequality, November 2012, University of Chicago, Chicago.
- MOVE-FINet-CEAR Workshop on Family Economics, June 2013, Barcelona, Spain.
- FINet-CEAR-IFS Conference on Family Economics and Risk; June 2014; London, UK.
- MOVE-FINet-CEAR Workshop on Family Economics, June 2015, Barcelona, Spain.
- Meeting on Family and Inequality, October 2016, University of Chicago, Chicago.

**Referee:**

American Economic Review, Econometrica, Economics Letters, European Economic Review, International Economic Review, Journal of Applied Econometrics, Journal of Development Economics, Journal of Economic Literature, Journal of Economic Theory, Journal of European Economic Association, Journal of Human Capital, Journal of Human Resources, Journal of Labor Economics, Journal of Political Economy, Journal of Public Economics, Labour Economics, Macroeconomic Dynamics, National Science Foundation, Oxford Economic Papers, Quarterly Journal of Economics, Review of Economic Studies, Review of Economics and Statistics, Spencer Foundation.

**Teaching Experience:**

Undergraduate Price Theory, Economics Department, University of Chicago.  
 Undergraduate Econometrics, Economics Department, University of Pennsylvania.  
 Undergraduate Development Economics, Economics Department, University of Pennsylvania.  
 Undergraduate Economics of Human Capital, Rice University.  
 Graduate Micro-Econometrics, Economics Department, University of Pennsylvania.  
 Graduate Labor Economics, Economics Department, Rice University.

**Professional Affiliations:**

Co-Director, Early Childhood Interventions Working Group, Human Capital and Economic Opportunity  
 Co-Director, Family Inequality Working Group, Human Capital and Economic Opportunity.  
 Faculty Fellow, National Bureau of Economic Research.  
 Research Associate, Population Studies Center at the University of Pennsylvania.  
 Research Affiliate, Center for Economics of Human Development, University of Chicago.  
 Founding Faculty Affiliate, Texas Policy Lab, Rice University.

**Editorial Service:**

July/2014 – June/2017: Journal of Human Capital.