

CURRICULUM VITAE — Dr. Miguel Sánchez-Romero

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Office contact:

Wittgenstein Centre for Demography and Global Human Capital (IIASA, VID/ÖAW and WU),
Vienna Institute of Demography/Austrian Academy of Science
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Fields of interest

Labor and Demographic Economics, Public Economics, Intergenerational Transfers,
Demography

Education

Ph.D. in Economics, December 2006.
Title: “The Impact of Social Security on Economic Growth: New Approaches”.
Supervisor: Felipe Sáez Fernández (Universidad Autónoma de Madrid).
Ph.D. Program in Economic Theory, Universidad Autónoma de Madrid, 2003-2006.
B.A. in Economics, Universidad Autónoma de Madrid, July, 2002.

Professional experience

March 2020-now	Research Scientist , Wittgenstein Centre for Demography and Global Human Capital (IIASA, VID/ÖAW and WU), Vienna Institute of Demography/Austrian Academy of Science.
May 2018-Jun 2020	Research Scientist , Institute of Statistics and Mathematical Methods in Economics, Technische Universität Wien, TU Wien, Vienna University of Technology.
May 2014-Aug 2019	Research Scientist , Wittgenstein Centre for Demography and Global Human Capital (IIASA, VID/ÖAW and WU), Vienna Institute of Demography/Austrian Academy of Science.
Apr 2010-Apr 2014	Research Scientist , Max Planck Institute for Demographic Research (MPIDR).
Jan 2013-Apr 2013	Research Assistant , UC Berkeley.
Jan 2008-Mar 2010	Postdoctoral Researcher , Center on the Economics and Demography of Aging (CEDA), UC Berkeley.
Oct 2007-Jan 2008	Assistant Professor (Part-Time), Departamento de Análisis Económico, Universidad Autónoma de Madrid.

Jan 2007-Jul 2007 **Professional**, Departamento de Economía, Universidad Europea de Madrid

Jan 2003-Dec 2006 **FPU grant holder**, Departamento de Análisis Económico, Universidad Autónoma de Madrid.

Jan 2000-Dec 2000 **Assistant Auditor**, Ernst & Young

Publications

Peer-reviewed

M Sánchez-Romero, V di Lego, A Prskawetz, B. L. Queiroz, 2021. An indirect method to monitor the fraction of people ever infected with COVID-19: an application to the United States . *PLoS ONE*, 16 (1): e0245845.

M Sánchez-Romero, R Lee, A Prskawetz, 2020. Redistributive effects of different pension structures when longevity varies by socioeconomic status. *The Journal of the Economics of Ageing*, 17, 100259.

M Sánchez-Romero, A Prskawetz, 2020. The impact of reducing the pension generosity on inequality and schooling. *De Economist, Netherlands Economic Review*, 168, 279–304.

M Sánchez-Romero, A Prskawetz, 2020. Optimal time allocation in active retirement. *Central European Journal of Operations Research*, 28, 401–424.

M Sánchez-Romero, A Prskawetz, 2019. Social Security: Long-term financing and reform. In: Gu D., Dupre, M. (eds) *Encyclopedia of Gerontology and Population Aging*. Springer, Cham.

M Sánchez-Romero, G Abio, M Botey, A Prskawetz, J Sambt, M Sole, G Souto, L Vargha, C Patxot, 2019. Welfare state winners and losers in ageing societies. *Vienna Yearbook of Population Research*, 17, 9–36.

R Lee, M Sánchez-Romero, 2019. Overview of the relationship of heterogeneity in life expectancy to pension outcomes and lifetime income. In R Holzmann, E Palmer, R Palacios, and S Sacchi (eds.), *Non-Financial Defined Contribution Schemes (NDC): Facing the Challenges of Marginalization and Polarization in Economy and Society*. Washington, DC: World Bank.

J Grames, O Zoboli, D Laner, H Rechberger, M Zessner, M Sánchez-Romero, A Prskawetz, 2019. Understanding feedbacks between economic decisions and the phosphorus resource cycle: A general equilibrium model including material flows. *Resource Policy* 61, 311–347.

M Sánchez-Romero, S Wrzaczek, A Prskawetz, G Feichtinger, 2018. Does demography change wealth inequality. In G. Feichtinger et al. (eds.), *Control Systems and Mathematical Methods in Economics, Lecture Notes in Economics and Mathematical Systems*. Springer International Publishing.

M Sánchez-Romero, G Abio, C Patxot, and G Souto, 2018. Contribution of demography to economic growth. *SERIEs Journal of the Spanish Economic Association* 9 (1), 27–64.

M Sánchez-Romero and A Prskawetz, 2017. Redistributive effects of the US pension system among individuals with different life expectancy. *The Journal of the Economics of Ageing* 10, 51–74.

M Sánchez-Romero, D Ediev, G Feichtinger, and A Prskawetz, 2017. How many old people have ever lived on earth? *Demographic Research* 36 (54), 1667–1702.

G Abio, C Patxot, M Sánchez-Romero, and G Souto, 2017. The Welfare State and the demographic dividends. *Demographic Research* 36 (48), 1453–1490.

M Sánchez-Romero, H d’Albis, and A Prskawetz, 2016. Education, lifetime labor supply, and longevity improvements. *Journal of Economic Dynamics and Control* 73, 118–141.

M Sánchez-Romero, 2013. The role of demography on per capita output growth and saving rates. *Journal of Population Economics* 26 (4), 1347–1377.

M Sánchez-Romero, C Patxot, E Rentería, and G Souto, 2013. On the effects of public and private transfers on capital accumulation: Some lessons from the NTA aggregates. *Journal of Population Economics* 26 (4), 1409–1430.

M Sánchez-Romero, J Sambt, and A Prskawetz, 2013. Quantifying the role of alternative pension reforms on the Austrian economy. *Labour Economics* 22, 94–114.

C Patxot, E Rentería, M Sánchez-Romero, and G Souto, 2012. Measuring the balance of government intervention on forward and backward family transfers using NTA estimates: The modified Lee arrows. *International Tax and Public Finance* 19 (3), 442–461.

H d’Albis, P Lau, S. H., and M Sánchez-Romero, 2012. Mortality transition and differential incentives for early retirement. *Journal of Economic Theory* 147 (1), 261–283.

C Patxot, E Rentería, M Sánchez-Romero, and G Souto, 2011. How intergenerational transfers finance the lifecycle deficit in Spain. In *Population Aging and the Generational Economy: A Global Perspective*. Edward Elgar Publishing, Cheltenham, UK.

C Patxot, E Rentería, M Sánchez-Romero, and G Souto, 2011. Results for GA and NTA: The sustainability of the welfare state in Spain. *Revista Moneda y Crédito* 231, 7–52.

M Sánchez-Romero 2007. Demography and uncertainty in economic growth: An application to social security. *Cuadernos de Economía* 30 (83), 27–56.

A Herrarte, J Moral-Carcedo, and M Sánchez-Romero, 2006. Desempleo, búsqueda y políticas activas”. *Revista Presupuesto y Gasto Público* 43, 155–177.

Non peer-reviewed

M Sánchez-Romero, G Abio, C Patxot, 2017. Simulations and projections of public transfers. In A Prskawetz et al. (eds), *Ageing Europe-An Application of National Transfer Accounts for Explaining and Projecting Trends in Public Finances*.

M Sánchez-Romero, 2011. El envejecimiento poblacional en Asia y en Europa desde la perspectiva del dividendo demográfico. *Anuario Asia-Pacífico 2010 (ed. 2011)*.

M Sánchez-Romero, 2003. Cuantificación de los efectos de la jubilación gradual y flexible. *Revista del Ministerio de Trabajo y Asuntos Sociales*, num. extraordinario: Jubilación Gradual y Flexible, 191–219.

Working papers

M Sánchez-Romero, N Ogawa, and R Matsukura. To give or not to give: Bequest estimate and wealth impact based on a CGE model with realistic demography in Japan. [MPIDR Working Papers WP–2013–012](#).

F Sáez, M Sánchez-Romero, and J Vera Grijalba, Joaquin. Employment and unemployment transitions in Spain from 1996 to 2005. [Economic Analysis Working Paper Series No. 9/2007](#). I.S.S.N. 1885-6888.

M Sánchez-Romero. Demand for private annuities and Social Security: Consequences to individual wealth. [Economic Analysis Working Paper Series No. 7/2006](#). I.S.S.N. 1885-6888.

M Sánchez-Romero. Welfare gain and the demand for annuities. [Economic Analysis Working Paper Series No. 2/2005](#). I.S.S.N. 1885-6888.

M Sánchez-Romero. Optimal consumption and investment with an uncertain lifetime in a model with two assets. Working Paper Series of the Geneva Association, *Études et Dossiers* No. 302.

Work in progress

Introducing heterogeneity in large scale OLG models: An application to study the impact of fixing the social security contribution rate on inequality and growth in Austria (with P Schuster and A Prskawetz)

Economic limits to the maximum lifespan (with A Chalupka and A Prskawetz)

Medical progress as a driver of (unequal) life cycle outcomes (with M Kuhn)

The demographic transition and the labor supply of women (with H d’Albis and M Botey)

Education and retirement choices in a structural model with heterogenous schooling effort, ability, and longevity (with A Aktas, M Poblete-Cazenave, A Prskawetz)

Factors explaining length of schooling and retirement age trends: A quantitative assessment (with H d’Albis and A Prskawetz)

Research projects

Jan 2018-Dec 2020 *Reformen sozialer Sicherungssysteme in heterogen alternden Bevölkerungen*. Jubiläumsfonds—Österreichische Nationalbank, Projektnummer 17647 (P.I. Alexia Fürnkranz-Prskawetz)

- Jan 2014-Dec 2017 *Ageing Europe: An application of National Transfer Accounts (NTA) for explaining and projecting trends in public finances (AGENTA)*. European Commission, 7th Framework Programme for Research, technological Development and Demonstration, Ref num FP7-SSH-2013-2 (P.I. Alexia Fürnkranz-Prskawetz)
- Jan 2010-Dec 2013 *Contabilidad de la Transferencia Nacional e Intergeneracional*. European Collaborative Research Project (European Science Foundation, Ref num 09-ECRP-021) and Ministerio de Ciencia e Innovación, Ref num EUI2010-04200 (P.I. Concepción Patxot)
- Jan 2007-Dec 2007 *Estabilidad e Inestabilidad Laboral: Un Modelo Explicativo de los Factores Determinantes del Empleo*. Consejería de Empleo y Mujer y Fondo Social Europeo. (P.I. Felipe Sáez Fernández).
- Jan 2006-Dec 2006 *La Política Medioambiental como incentivo para la adopción de tecnologías de Producción más Límpias*. Comunidad de Madrid-UAM. CAM (PRICYT): 09/SHD/005 (P.I. José Luis Zofio Prieto).

Visitings

- 2011 July Technical University of Vienna
- 2010 Sep Vienna Institute of Demography
- 2004 July-Dec Visiting Scholar: CEDA and the Department of Demography. University of California at Berkeley, USA
- 2002 Aug-Oct Volunteer Professor: Economics Department of the School of Business and Economics. Sonoma State University, CA, USA

Presentations at conferences

- 2020 Dec CFENetwork-CMStatistics (Online, King's College London)
- 2020 Jun Assessing the Socio-Economic implications of Covid-19 through National Transfer Accounts (Online, UNFPA)
- 2020 Feb NOeG 2020 (Wien, Austria)
- 2019 Sep Economic Development-Theory and Policy, Vereins für Socialpolitik (Leipzig, Germany)
- May Essen Health Conference 2019 (Essen, Germany)
- April Population Association of America (Austin, TX, US)
- April NOeG 2019 (Graz, Austria)
- 2018 June European Population Conference 2018 (Brussels, Belgium)
- May NOeG 2018 (Vienna, Austria)
- April Population Association of America (Denver, US)

- 2017 Oct Non-Financial Defined Contribution Schemes, NDC 3 (Rome, Italy)
 Sep Economic Development-Theory and Policy, Vereins für Socialpolitik (Vienna, Austria)
 May NOeG 2017 (Linz, Austria)
- 2016 Dec XLI Simposio de Análisis Económico (Bilbao, Spain)
 Sep European Population Conference 2016 (Mainz, Germany)
- 2015 Dec XL Simposio de Análisis Económico (Girona, Spain)
 Sep Economic Development-Theory and Policy, Vereins für Socialpolitik (Münster, Germany)
- 2014 Dec XXXIX Simposio de Análisis Económico (Palma de Mallorca, Spain)
 Nov X National Transfer Accounts (Beijing, China)
 May NOeG 2014 (Vienna, Austria)
- 2013 Aug XXVII IUSSP International Population Conference (Busan, Korea)
 Jul 2013 Public Economic Theory International Meeting (Lisbon, Portugal)
- 2012 Dec XXXVII Simposio de Análisis Económico (Vigo, Spain)
 May 2012 Population Association of America (San Francisco, US)
- 2011 Dec XXXVI Simposio de Análisis Económico (Malaga, Spain)
 Mar 2011 Population Association of America (Washington, US)
 Jan 2011 Alpine Population Conference (La Thuile, Italy)
- 2009 Dec XXXIV Simposio de Análisis Económico (Valencia, Spain)
 Jun Asian Pacific Economic Association (UC Santa Cruz, US)
 Apr 2009 Population Association of America (Detroit, US)
- 2007 Dec XXXII Simposio de Análisis Económico (Granada, Spain)
 Jul Encuentro de Economía Laboral y de la Educación (Gran Canaria, Spain)
- 2006 Dec XXXI Simposio de Análisis Económico (Oviedo, Spain)
 Jun IX Encuentro de Economía Aplicada (Jaen, Spain)
- 2005 Aug World Risk and Insurance Economics Congress (Utah, US)

Seminars

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- 2020 Oct 12 Optimal Control of Pandemics and Related Issues (TU Wien, Austria)
 2020 Jun 29 Demographic Consequences of COVID-19 (IIASA and RANEPa)
 2020 May 13 Demography Brown Bag (UC Berkeley, US)
- 2016 Feb 18 EDSO Seminar, La Sapienza (Rome, Italy)
- 2015 Apr 24 Research Seminar, Universitat de Barcelona (Barcelona, Spain)
 Mar 15 Research Seminar, Department of Foundations of Economic Analysis II, UPV (Bilbao, Spain)
- 2014 Oct 14 Macro Research Seminar, Vienna Graduate School of Economics (VGSE) (Vienna, Austria)
 Sep 30 Vienna Institute of Demography (Vienna, Austria)
- 2013 Nov 6 Research Seminar, Universidad Autónoma de Madrid (Madrid, Spain)

2012	Oct 26	Nihon University Population Research Institute (Tokio, Japan)
	Feb 20	CCHS-CSIC (Madrid, Spain)
2011	Dec 7	Centro de Desenvolvimento e Planejamento Regional de Minas Gerais (CEDE-PLAR) (Minas Gerais, Brasil)
	Mar 16	Max-Planck-Institute for Demographic Research (Rostock, Germany)
2010	Sep 23	Vienna Institute of Demography (Vienna, Austria)
2009	Dec 9	Instituto de Estudios Fiscales (Madrid, Spain)
	Oct 19	Max-Planck-Institute for Demographic Research (Rostock, Germany)
2008	Dec 16	Research Seminar, Universidad Autónoma de Madrid (Madrid, Spain)
	Nov 20	University of Texas-Pan American (Edinburg, Texas, US)
2006	Oct	Research Seminar, Universidad Autónoma de Madrid (Madrid, Spain)
	Oct	FEDEA (Madrid, Spain)
	Mar	Research Seminar, Universidad Autónoma de Madrid (Madrid, Spain)
2005	Jun	Research Seminar, Universidad Autónoma de Madrid (Madrid, Spain)

Workshops

2020	Nov 11	IST Austria Workshop on Covid-19 (Vienna, Austria)
2020	Aug 3-7	13 th Global Meeting on Population and the Generational Economy (Honolulu, Hawaii, US)
2020	Feb 14	JRC Fiscal Policy Modelling Workshop (EC JRC, Seville, Spain)
2020	Jan 28	Longevity Heterogeneity and Pension Design (Louvain-la-Neuve, Belgium)
2019	Dec 5-6	International Workshop on Heterogenous Dynamic Models of Economic and Population Systems (Vienna, Austria)
2019	Nov 15	Childcare, family policies and women's professional careers, SciencesPo, Paris, France
2019	Feb 14-16	VfS, Ausschusses für Bevölkerungsökonomik (Würzburg, Germany)
2018	Jul 23-27	12 th Global Meeting of the NTA Network (Mexico City, Mexico)
	Jul 3-6	14 th Viennese Workshop Optimal Control and Dynamic Games (TU Wien, Austria)
	May 4-5	Inequality and Ageing, INEPA (Hohenheim, Germany)
2017	Nov 20-22	AGENTA Final Conference: Economic Consequences of Population Ageing and Intergenerational Equity (Vienna, Austria)
2016	Dec 1-2	International Workshop on Heterogenous Dynamic Models of Economic and Population Systems (Vienna, Austria)
2015	Sep 17-18	9 th European Workshop on Labour, Health and Education under Demographic Change (Vienna Institute of Demography, Austria)
	Jun 9	AGENTA Workshop: Modelling the sustainability of the Welfare State using OLG models (Barcelona, Spain)
	May 13-16	13 th Viennese Workshop Optimal Control and Dynamic Games (TU Wien, Austria)
2014	Nov 10-14	10 th Meeting of Working Group on Macroeconomic Aspects of Intergenerational Transfer, International Symposium on Demographic Change and Policy Response (Beijing, China)

2013	Nov 27-29	Health, Education and Retirement over the Prolonged Life Cycle (Vienna, Austria)
	Nov 25-26	International Workshop on Heterogenous Dynamic Models of Economic and Population Systems (Vienna, Austria)
	Jun 3-8	9 th Meeting of the Working Group on Macroeconomic Aspects of Inter-generational Transfers (Barcelona, Spain)
2012	Nov 8-9	5 th European NTA Workshop, Institute for Future Studies (IFF), (Stockholm, Sweden)
	Aug 28-29	7 th European Workshop on Labour Markets and Demographic Change (University of St. Gallen, Switzerland)
	May 29-Jun 2	12 th Viennese Workshop Optimal Control, Dynamic Games and Nonlinear Dynamics (Technical University of Vienna, Austria)
2011	Dec 5-9	8 th International NTA Worskshop (Minas Gerais, Brazil)
	Oct 4-5	Workshop on Ageing, Health and Productivity (University of St. Gallen, Switzerland)
	May 13	4 th European NTA Workshop (Budapest, Hungary)
2010	Dec 9-10	Optimal Fertility in Ageing Societies (VID, Austria)
	Oct 29	3 th European NTA workshop (Stockholm, Sweden)
	Jun 5-19	Population Aging and the Generational Economy (Honolulu, US)
	Feb 25-26	2 th European NTA Workshop (Rostock, Germany)
	Feb 20	MacArthur Network: “Benefits and Costs of an Aging Society” (Florida, US)
2009	Jan 9-10	National Transfer Accounts (NTA) (Berkeley, US)
2008	Jul 7-10	RAND Summer Institute: “Demography, Economics, and Epidemiology of Aging” (Santa Monica, US)
	May 1-4	1 st Stanford Workshop in Formal Demography (Standford, US)

Teaching

2017	Apr 3–7	Course on Demographic Modeling. European Doctoral School of Demography (EDSD), La Sapienza, Italy
2016	Feb 15–19	Course on Demographic Modeling. European Doctoral School of Demography (EDSD), La Sapienza, Italy
2015	Apr 20–24	Course on Demographic Modeling. European Doctoral School of Demography (EDSD), Warsaw School of Economics, Poland
2010	Jun 8–9	Course on General Equilibrium Models. Workshop Population Aging and the Generational Economy. East-West Center, University of Hawaii, US
2009	Jul 1–2	Workshop on Programming General Equilibrium OLG Models of Closed Economy with Realistic Demography, Perfect Foresight, and Transfers (CEDA, Berkeley)
2007	Fall	Industrial Organization. Dpto. de Análisis Económico: Teoría Económica e Historia Económica, UAM (Undergraduate level in economics, 3 rd)
	Spring	Economic Policy. Dpto. de Economía, Universidad Europea de Madrid (Undergraduate level in economics, 2 nd)

2006 Spring Intermediate Microeconomics. Dpto. de Análisis Económico: Teoría Económica e Historia Económica, UAM (Undergraduate level in economics, 2nd)

Grants

2008 Apr 1	2010 Mar 31	Fulbright scholarship at University of California, Berkeley
2003 Jan 1	2006 Dec 31	Research fellowship (F.P.U.) from UAM
2002 Oct 1	2002 Dec 31	Scholarship from UAM
2001 Oct 1	2002 Sep 30	Scholarship from UAM

Other merits

Computer Programs Julia, MATLAB, R, SPSS, STATA, Maple, Visual Basic, L^AT_EX, Office

Consultancies

2020 Oct–Dec United Nations Population Fund (UNFPA)

Membership

2020– Field Committee on “Population Economics”, Verein für Sozialpolitik
European Association for Population, Population Association of America, National Transfer Accounts (NTA), American Economic Association, German Economic Association, Austrian Economic Association.

Languages

Spanish (native); English (fluent); German (Niveau B1)

Associate Editor

Journal of the Economics of Ageing, since 2019
Vienna Yearbook of Population Research, Issue 2019

Referee for

Economic Journals Contemporary Economic Policy, Cuadernos de Economía, Hacienda Pública Española/Review of Public Economics, International Tax and Public Finance, Journal Decision in Economics and Finance, Journal of Economic Behavior and Organization, Journal of Mathematical Economics, Journal of Population Economics, Macroeconomic Dynamics, MATHMOD, South African Journal of Economics, The Journal of Economics of Ageing, World Development

Demographic Journals

Demographic Research, Demography, European Journal of Population, Genus, Vienna Yearbook of Population Research

Others

Environmental Research and Public Health, PLOS One