

CONTACT INFORMATION	Department of Mathematical Economics, Finance, and Actuarial Sciences Avinguda Diagonal, 690, Office: 2130 08034, Barcelona, Spain.	Citizenship: Turkey Phone: +34 934021952 aatay@ub.edu sites.google.com/site/ataatay
RESEARCH INTERESTS	Game theory, matching theory, market design, operations research.	
CURRENT POSITION	Serra Húnter Associate Professor of Economics Department of Mathematical Economics, Finance and Actuarial Sciences, University of Barcelona .	July 2025–
ACADEMIC POSITIONS	Serra Húnter Assistant Professor of Economics Department of Mathematical Economics, Finance and Actuarial Sciences, University of Barcelona .	Oct 2021–July 2025
	Assistant Professor of Economics Department of Economic Analysis, UNED .	March 2020–Oct 2021
	Postdoctoral researcher CEREC & CORE, UCLouvain Saint-Louis Bruxelles .	Sep 2019–Feb 2020
	Postdoctoral researcher Institute of Economics, Hungarian Academy of Sciences .	Oct 2017–Aug 2019
	Half-time lecturer Department of Operations Research and Actuarial Sciences, Corvinus University of Budapest .	Feb 2018–Feb 2019
EDUCATION	PhD in Economics , <i>excellent (summa) cum laude</i> Universitat de Barcelona, Spain.	2017 <i>Advisor:</i> Marina Núñez
	MSc in Advanced Mathematics Universitat Autònoma de Barcelona, Spain.	2011
	BSc in Mathematical Engineering Yildiz Technical University, Turkey.	2010
ACADEMIC STAYS	Simons Laufer Mathematical Sciences Institute (SLMath) <i>formerly Mathematical Science Research Institute (MSRI)</i> Research member at the program <i>Mathematics and Computer Science of Market and Mechanism Design</i> .	Aug–Oct 2023
	Center for Operations Research and Econometrics (CORE) Université catholique de Louvain Hosts: Ana Mauleon, Vincent Vannetelbosch	May 2019
	University of Barcelona Host: Pedro Calleja	Short stay (2 weeks), Feb 2019
	University of Barcelona Host: Marina Núñez	Short stay (2 weeks), Feb 2018
	Tepper School of Business Carnegie Mellon University Hosts: Isa Hafalir, M. Bumin Yenmez	Jan–May 2016

PUBLICATIONS

1. Atay, A., C. Trudeau (2025). [Optimistic and pessimistic approaches for cooperative games](#), *Forthcoming in European Journal of Operational Research*.
2. Atay, A., A. Mauleon, and V. Vannetelbosch (2025). [Limited farsightedness in priority-based matching](#), *Journal of Public Economic Theory*, 27: e70044.
3. Atay, A., A. Mauleon, and V. Vannetelbosch (2025). [School choice with farsighted students](#), *Games and Economic Behavior*, 149: 148–163.
4. Atay, A., S. Funck, A. Mauleon, and V. Vannetelbosch (2025). [Matching markets with farsighted couples](#), *Social Choice and Welfare*, 64: 465–481.
5. Atay, A. and C. Trudeau (2024). [Queueing games with an endogenous number of machines](#), *Games and Economic Behavior*, 144: 104–125.
6. Atay, A., A. Mauleon, S. Schopohl, and V. Vannetelbosch (2023). [Key players in network-oriented interventions](#), *Journal of Economic Interaction and Coordination*, 18: 879–907.
7. Atay, A., E. Bahel, and T. Solymosi (2023). [Matching markets with middlemen under transferable utility](#), *Annals of Operations Research*, 322: 539–563.
8. Atay A., P. Calleja, and S. Soteras (2021). [Open shop scheduling games](#), *European Journal of Operational Research*, 295: 12–21.
9. Atay A., A. Mauleon, and V. Vannetelbosch (2021). [A bargaining set for roommate problems](#), *Journal of Mathematical Economics*, 94: 102465.
10. Atay A. and M. Núñez (2019). [Multi-sided assignment games on \$m\$ -partite graphs](#), *Annals of Operations Research*, 279: 271–290.
11. Atay A. and M. Núñez (2019). [A note on the relationship between the core and stable sets in three-sided markets](#), *Mathematical Social Sciences*, 98: 10–14.
12. Atay A. and T. Solymosi (2018). [On bargaining sets of supplier-firm-buyer games](#), *Economics Letters*, 167: 99–103.
13. Atay A. (2017). [An alternative proof of the characterization of core stability for the assignment game](#), *Operations Research Letters*, 45: 217–219.
14. Atay A., F. Llerena, and M. Núñez (2016). [Generalized three-sided assignment markets: core consistency and competitive prices](#), *TOP*, 24: 572–593.

WORKING PAPERS

1. [On the vertices of the core of a many-to-one assignment game](#), with Marina Núñez and Tamás Solymosi, July 2025.
2. [A note on the non-coincidence of the core and the bargaining set in many-to-one assignment markets](#), with Marina Núñez and Tamás Solymosi, June 2025.
Revised & resubmitted at Games and Economic Behavior.
3. [Complementarities in childcare allocation under priorities](#), with Antonio Romero-Medina, August 2023.
[A new version which subsumes this working paper titled “Optimizing daycare enrollment: how to avoid early applications” will be available soon.](#)

SUPERVISION OF PH.D. THESES

Martí Jané Ballarín, University of Barcelona.
Topics: Computational social choice and game theory.
Co-advisor with Mikel Álvarez-Mozos.

Fall 2023–...

TEACHING EXPERIENCE	Lecturer, University of Barcelona:	
	<i>Graduate</i>	
	Mathematics 1 (MA in Economics)	Fall 2025–...
	<i>Undergraduate</i>	
	Game theory and economic applications (BA in Economics)	Fall 2023–...
	Non-linear programming and network flows	Fall 2022–...
	Joint BA in Statistics together with	
	Barcelona Tech-UPC (Taught at the UPC).	
	Decision Theory (BA in Business Management)	Spring 2022–...
	Mathematics 2 (BA in Business Management)	Spring 2022–...
	Mathematics 2 (BA in Economics)	Spring 2022–...
	Mathematics (BA in International Business)	Fall 2021–...
	Mathematics 1 (BA in Economics)	Fall 2021–...
	Decision Theory (BA in Business Management)	Fall 2021–...
	Lecturer, UNED:	
	Introduction to Macroeconomics (BA in Economics)	Spring 2021
	Introduction to Macroeconomics (BA in Economics)	Spring 2020
	Lecturer, Corvinus University of Budapest:	
	Market Design (BA in Economics)	Fall 2018
	Operations Research (BA in Economics)	Spring 2018
GRANTS	Teaching Assistant, University of Barcelona:	
	Game Theory (BA in Business Administration)	Fall 2016
	“Areas Emergents” Research Grant of UB	July 2022–Dec 2023
	as co-PI of AS017672 Research Project (13.5K EUR)	
	<i>“Networks in societies: information, elections, and financial markets”</i>	
	Hungarian National Research, Development, and Innovation Office	2018–2021
	PD-128348 Individual Project (15.6 M HUF)	
	Barcelona Economic Analysis Team	June 2022
	Travel Grant (1K EUR)	
	Cost Action European Network for Game Theory (CA 16228)	2019
	Short Term Scientific Mission Grant (1.5K EUR)	
	Cost Action European Network for Game Theory (CA 16228)	2019
	Short Term Scientific Mission Grant (1.2K EUR)	
	Cost Action IC1205 Short Term Scientific Mission Grant	2015
PARTICIPATION IN RESEARCH PROJECTS	Problemas de distribución en juegos coalicionales, redes y mercados	Sep 2024–Aug 2027
	the Spanish Ministry of Science, Innovation, and Universities	
	<i>PIs: Marina Núñez and Carles Rafels</i>	
	Distribución equitativa en problemas de reparto, coaliciones, redes y mercados	Feb 2023–Aug 2024
	the Spanish Ministry of Science, Innovation, and Universities	
	<i>PIs: Marina Núñez and Carles Rafels</i>	
	Networks in societies: information, elections, and financial markets”	July 2022–Dec 2023
	University of Barcelona “Areas Emergents” Research Grants	
	<i>As co-PI with Oriol Tejada (PI)</i>	
	Social and economic network formation under limited farsightedness: theory and applications	Sep 2019–Feb 2020

	the Belgian French speaking community ARC project 15/20-072 <i>PIs: Ana Mauleon and Vincent Vannetelbosch</i>	
	Game Theory Working Group Spanish Society of Statistics and Operations Research (SEIO)	Feb 2019–
	Heuristic problem solving in matching mechanisms Hungarian Academy of Sciences <i>PI: Péter Biró</i>	Sep 2017–Feb 2020
	Game theory and assignment markets Consolidated research group (2014SGR40) by Generalitat de Catalunya <i>PI: Marina Núñez</i>	2014–2017
MEMBER OF	Pierre de Callataÿ , UCLouvain, Belgium.	June 2023
PH.D.	<i>“Three essays on farsightedness in network formation”.</i>	
COMMITTEES	Saadia El Obadi , Universitat de Lleida, Spain. <i>“Generalizations of assignment games and information market games”.</i>	October 2019
INVITED TALKS	2025: Institute of Economics, Hungarian Academy of Sciences (Hungary). 2024: University of Vigo (Spain), Lausanne Matching and Market Design Workshop, HEC Lausanne (Switzerland). 2023: IMW, University of Bielefeld (Germany). 2022: QuantOM at HEC-Liège (Belgium), ORSTAT at KU Leuven (Belgium), University of Granada (Spain). 2019: Aix-Marseille School of Economics (France), Center of Operations Research and Econometrics at UCLouvain (Belgium), CEREC at Université Saint-Louis Brussels (Belgium), University of Barcelona (Spain). 2017: School of Government TEC Monterrey (Mexico), Centre d’Économie de la Sorbonne (France).	
PRESENTATIONS	2025: SEIO 2025 (Lleida, Spain), the 24th SAET Conference (Ischia, Italy). 2024: the 17th Meeting of the SSCW (Paris, France), SING19 (Besançon, France), REES XXI (Madrid, Spain). 2023: the 12th Lisbon Meetings in Game Theory and Applications (Lisbon, Portugal), the 13th Conference on Economic Design (Girona, Spain). 2022: the 33rd Stony Brook International Conference on Game Theory (Stony Brook, NY), the 12th Conference on Economic Design (Padova, Italy), the 25th Coalition Theory Network Workshop (Barcelona, Spain). 2021: International Conference on Social Choice and Voting Theory, PPE at Virginia Tech (online). 2019: the 11th Conference on Economic Design (Budapest, Hungary), SING15 (Turku, Finland), the 11th Lisbon Meetings in Game Theory and Applications (Lisbon, Portugal). 2018: the 14th Meeting of the SSCW (Seoul, South Korea), SEIO 2018 (Oviedo, Spain), University of Barcelona. 2017: the 10th Conference on Economic Design (York, UK), the 1st Catalan Economic Society Conference (Barcelona, Spain). 2016: GAMES 2016 (Maastricht, the Netherlands), SING12 (Odense, Denmark), the 13th Meeting of the SSCW (Lund, Sweden), Pennsylvania Economic Theory Conference 2016, <i>Poster session</i> (State College, PA), CMU-Pitt Economic Theory Seminar (Pittsburgh, PA). 2015: the 15th SAET Conference (Cambridge, UK), the 26th International Conference on Game Theory (Stony Brook, NY), the 9th Conference on Economic Design (Istanbul, Turkey), Match-UP 2015 (Glasgow, UK). 2014: International Workshop on Game Theory and Economic Applications <i>Poster</i>	

	<i>session</i> (São Paulo, Brazil), SING 10 (Krakow, Poland).	
PROFESSIONAL ACTIVITIES	<p>2025-... Game Theory and Economic Dynamics Seminar Series at the School of Economics, University of Barcelona.</p> <p>Program Committee: 2022-... the Annual University of Barcelona Game Theory Workshop. 2019: The 11th Conference on Economic Design 2019 (Budapest, Hungary).</p> <p>Organizing Committee: 2022-... the Annual University of Barcelona Game Theory Workshop. 2021: The V SEIO Course on Game Theory: Algorithmic and game theoretic aspects of matching markets (Barcelona, Spain). 2019: 11th Conference on Economic Design 2019 (Budapest, Hungary).</p> <p>Referee for: Annals of Operations Research, Economic Theory Bulletin, European Journal of Operational Research, Games and Economic Behavior, IISE Transactions, International Journal of Game Theory, International Journal of Economic Theory, Journal of Mathematical Economics, Mathematical Social Sciences, SN Business & Economics, Operations Research, Operational Research: An International Journal.</p> <p>Reviewer for: Mathematical Reviews.</p>	
ACCREDITATIONS	<p>One ‘sexenio’ (six-year period research recognition) by the Catalan University Quality Assurance Agency (AQU). One ‘quinquenio’ (five-year period teaching recognition) by the Catalan University Quality Assurance Agency (AQU). Professor agregat by the Catalan University Quality Assurance Agency (AQU). Profesor contratado doctor by the Spanish National Agency for Quality Assessment and Accreditation (ANECA).</p>	
LANGUAGES	Turkish (native), English (fluent), Spanish (fluent), Catalan (B2).	
REFERENCES	<p>Prof. Péter Biró Institute of Economics Hungarian Academy of Sciences biro.peter@krtk.mta.hu Prof. Marina Núñez School of Economics University of Barcelona mnunez@ub.edu +34 93 402 19 91</p>	<p>Prof. Ana Mauleon CORE UCLouvain ana.mauleon@uclouvain.be Prof. Vincent Vannetelbosch CORE UCLouvain vincent.vannetelbosch@uclouvain.be +32 10 47 41 42</p>

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