

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 Hünter Assistant Professor of Economics Department of Mathematical Economics, Finance and Actuarial Sciences, University of Barcelona .	October 2021–
ACADEMIC POSITIONS	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. and C. Trudeau (2024). [Queueing games with an endogenous number of machines](#), *Games and Economic Behavior*, 144: 104–125.
2. 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.
3. Atay, A., E. Bahel, and T. Solymosi (2023). [Matching markets with middlemen under transferable utility](#), *Annals of Operations Research*, 322: 539–563.
4. Atay A., P. Calleja, and S. Soteras (2021). [Open shop scheduling games](#), *European Journal of Operational Research*, 295: 12–21.
5. Atay A., A. Mauleon, and V. Vannetelbosch (2021). [A bargaining set for roommate problems](#), *Journal of Mathematical Economics*, 94: 102465.
6. Atay A. and M. Núñez (2019). [Multi-sided assignment games on \$m\$ -partite graphs](#), *Annals of Operations Research*, 279: 271–290.
7. 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.
8. Atay A. and T. Solymosi (2018). [On bargaining sets of supplier-firm-buyer games](#), *Economics Letters*, 167: 99–103.
9. Atay A. (2017). [An alternative proof of the characterization of core stability for the assignment game](#), *Operations Research Letters*, 45: 217–219.
10. 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. [Complementarities in childcare allocation under priorities](#), with Antonio Romero-Medina, August 2023.
2. [Matching markets with farsighted couples](#), with Sylvain Funck, Ana Mauleon and Vincent Vannetelbosch, April 2023.
3. [Limited farsightedness in priority-based matching](#), with Ana Mauleon and Vincent Vannetelbosch, December 2022.
4. [School choice with farsighted students](#), with Ana Mauleon and Vincent Vannetelbosch, November 2022.

SUPERVISION OF PH.D. THESIS

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

2023–...

TEACHING EXPERIENCE

Lecturer, University of Barcelona:

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
	Teaching Assistant, University of Barcelona:	
	Game Theory (BA in Business Administration)	Fall 2016
GRANTS	“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	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	Feb 2019–
	Spanish Society of Statistics and Operations Research (SEIO)	
	<i>PI: Encarnación Algaba</i>	
	Heuristic problem solving in matching mechanisms	Sep 2017–Feb 2020
	Hungarian Academy of Sciences	
	<i>PI: Péter Biró</i>	
	Game theory and assignment markets	2014–2017
	Consolidated research group (2014SGR40) by Generalitat de Catalunya	
	<i>PI: Marina Núñez</i>	
MEMBER OF PH.D. COMMITTEES	Pierre de Callataÿ , UCLouvain, Belgium.	June 2023
	<i>“Three essays on farsightedness in network formation”.</i>	
	Saadia El Obadi , Universitat de Lleida, Spain.	October 2019
	<i>“Generalizations of assignment games and information market games”.</i>	
INVITED SEMINARS	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

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, *Poster session* (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 *Poster session* (São Paulo, Brazil), SING 10 (Krakow, Poland).

PROFESSIONAL ACTIVITIES

Program Committee:

2022-... [the Annual University of Barcelona Game Theory Workshop](#).

2019: The 11th Conference on Economic Design 2019 (Budapest, Hungary).

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).

Referee for:

Annals of Operations 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, Operational Research: An International Journal.

Reviewer for:

Mathematical Reviews.

ACCREDITATIONS

One ‘sexenio’ (six-year period research recognition) for 2016-2021 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).

Profesor ayudante doctor by the
Spanish National Agency for Quality Assessment and Accreditation (ANECA).
Professor lector by the
Catalan University Quality Assurance Agency (AQU).

LANGUAGES Turkish (native), English (fluent), Spanish (fluent), Catalan (B1).

REFERENCES	<p>Prof. Péter Biró Institute of Economics Hungarian Academy of Sciences biro.peter@krtk.mta.hu +36 30 950 53 68</p> <p>Prof. Marina Núñez School of Economics University of Barcelona mnunez@ub.edu +34 93 402 19 91</p>	<p>Prof. Ana Mauleon CEREC & CORE UCLouvain ana.mauleon@usaintlouis.be +32 22 11 79 35</p> <p>Prof. Vincent Vannetelbosch CORE & CEREC UCLouvain vincent.vannetelbosch@uclouvain.be +32 10 47 41 42</p>
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