

Curriculum Vitae
Christina Katt-Pawlowitsch

October 2025

<i>Born:</i>	1974, in Vienna, Austria
<i>Nationality:</i>	Austrian
<i>Current employment:</i>	Associate Professor (Maître de Conférences, HDR) in Applied Mathematics at the Université Paris–Panthéon–Assas
<i>Office address:</i>	LEMMA–Laboratoire d’Économie Mathématique et de Microéconomie Appliquée 4 Rue Blaise Desgoffe 75006 Paris, France
<i>Home address:</i>	17 rue de Plaisance 75014 Paris, France
<i>Phone:</i>	+33 1 70 23 20 03 (office) +33 6 72 38 57 41 (cell)
<i>E-Mail:</i>	<code>christina.pawlowitsch@u-paris2.fr</code> <code>christina.katt.pawlowitsch@gmail.com</code>
<i>Homepage:</i>	https://signaling.u-paris2.fr/Pawlowitsch/index.html https://sites.google.com/view/christina-katt-pawlowitsch/home

1 Education and academic degrees

<i>1998–2004</i>	Undergraduate studies in Economics, University of Vienna, including a one-year stay at the Université Catholique de Louvain (Belgium), 2001–2002.
<i>2004</i>	MA in Economics, University of Vienna. Title of the thesis: “The golden rule and over- and underaccumulation in a two-sector overlapping-generations model,” under the supervision of Prof. Leo Kaas.
<i>2004–2007</i>	PhD Program in Economics, University of Vienna
<i>2007</i>	Doctorate in Economics (with Honors). Title of the thesis: “Efficiency and Inefficiency in Sender-Receiver Games.” Advisors: Prof. Gerhard Sorger (Department of Economics), Prof. Karl Sigmund (Department of Mathematics).

2 Habilitation

<i>2025</i> (April 3)	<p>“Habilitation à Diriger des Recherches” (in Economic Sciences). Université Paris–Panthéon–Assas.</p> <p>Committee:</p> <p>Prof. Joseph Abdou (president),</p> <p>Prof. Antoine Billot (director),</p> <p>Prof. Paul Égré (reviewer),</p> <p>Prof. Ariel Rubinstein (reviewer),</p> <p>Prof. Jörgen Weibull (reviewer),</p> <p>Prof. Marie Laclau-Vigéral (member),</p> <p>Prof. Philip Reny (member),</p> <p>With highest honors: “Très honorable – Félicitations du jury”</p>
-----------------------	---

3 Academic positions

<i>2004–2007</i>	Research and teaching assistant, University of Vienna, Department of Economics
<i>2007–2009</i>	Post-doctoral research fellow at Harvard University, Program for Evolutionary Dynamics
<i>2009–2010</i>	Lecturer at the University of Vienna, Department of English and American Studies, NatSIDE (Naturalist Studies in the Diachrony of English) group
<i>2010–2012</i>	Post-doctoral research fellow at Paris School of Economics
<i>2012–present</i>	Assistant professor (Maître de Conférences) in Applied Mathematics at the Université Paris–Panthéon–Assas

4 Visiting scholarships and part-time academic appointments

<i>2007/01–03</i>	Harvard University, Program for Evolutionary Dynamics
<i>2013/10–12</i>	Harvard University, Program for Evolutionary Dynamics
<i>2014/10–2015/01</i>	New York University, Department of Politics
<i>2018/09</i>	University of Vienna, Faculty of Mathematics
<i>2019/01</i>	University of Vienna, Faculty of Mathematics
<i>2019/07–09</i>	University of Vienna, Faculty of Mathematics
<i>2020/01</i>	University of Vienna, Faculty of Mathematics
<i>2020/07–09</i>	University of Vienna, Faculty of Mathematics
<i>2021/01 and 05–06</i>	University of Vienna, Faculty of Mathematics
<i>2022/05</i>	University of Graz, Austria
<i>2023/05 and 07–08</i>	University of Vienna, Faculty of Mathematics

External teaching appointments:

<i>2010–2012</i>	External lecturer, University of Vienna (Academic Writing)
<i>2016–2021</i>	External lecturer, University of Vienna (Academic Writing)
<i>2019</i>	External lecturer, École Polytechnique (Microeconomics)
<i>2024</i>	External lecturer, Vienna University of Economics and Business (Academic Writing)

5 Teaching

University of Vienna

<i>2004–2007</i>	Principles of economics, introduction to microeconomics, introduction to game theory (undergraduate program), dynamic models in economics (MA in economics)
<i>2009–2010</i>	Game theory for linguists (undergraduate program)
<i>2009–2012</i>	Workshop in academic writing (MA and PhD program)
<i>2016–2021</i>	Workshop in academic writing (PhD program)

Université Paris–Panthéon–Assas

<i>2012–present</i>	Mathematics (analysis, linear algebra) and statistics (probabilities and random variables) for the undergraduate program in economics, notably the <i>Collège d'Économie</i> (in French and in English) Applied game theory, MA program (in English) Decision theory, MA program (in English) Political Economy, undergraduate program in law studies (in French) Workshop in academic writing, PhD program (in English)
---------------------	--

École Polytechnique

<i>2019</i>	Intermediate Microeconomics (in English)
-------------	--

IFG–Institut Français de Gestion, DBA Finance, Paris

<i>2020–present</i>	Méthodes de la recherche – atelier d'écriture (in French)
---------------------	---

6 Research interests

Game theory and evolutionary game theory, with a special interest in solution concepts (equilibrium refinement from both a classical and evolutionary point of view) and applications of game theory in the study of language; models of interactive knowledge and Bayesian dialogues.

7 Publications

Articles in peer-reviewed journals

1. 2007. Christina Pawlowitsch: “Finite populations choose an optimal language.” *Journal of Theoretical Biology*, 249, 606–616.
2. 2008. Christina Pawlowitsch: “Why evolution does not always lead to an optimal signaling system.” *Games and Economic Behavior* 63, 203–226.
3. 2008. Immanuel Bomze and Christina Pawlowitsch: “One-third rules with equality: second-order evolutionary stability conditions in finite populations.” *Journal of Theoretical Biology*, 254, 616–620.
4. 2011. Christina Pawlowitsch, Panayotis Mertikopoulos, and Nikolaus Ritt: “Neutral stability, drift, and the diversification of languages.” *Journal of Theoretical Biology* 287, 1–12.
5. 2012. Michael L. Manapat, David G. Rand, Christina Pawlowitsch, and Martin A. Nowak: “Stochastic evolutionary dynamics resolve the Traveler’s Dilemma.” *Journal of Theoretical Biology* 303, 119–127.
6. 2020. Christina Pawlowitsch: “Making see: A structural analysis of mathematical and in particular game-theoretic writing.” *Narrative*, 28 (3), 327–353.
7. 2021. Christina Pawlowitsch: “Strategic manipulation in Bayesian Dialogues.” *Synthese* 199, 11279–11303.
8. 2025. Josef Hofbauer and Christina Pawlowitsch: “Evolutionary dynamics of signals with type-specific payoff increments.” *Dynamic Games and Applications*, Collection in Honor of Ross Cressman, 15 (1), 1–23.
9. 2025. Josef Hofbauer and Christina Pawlowitsch: “The evolutionary dynamics of costly signaling.” *International Journal of Game Theory* 54, Article 23
(received: 25 July 2019 / revised: 9 August 2023 / accepted: 14 September 2024).
10. 2025. Philippe Schlenker, Christina Pawlowitsch, Luc H. Arnal, Keny Chatain, Lucie Ravaux, Robin Ryder, Ambre Salis, Shane Steinert-Threlkeld, Léo Wang, and Emmanuel Chemla: “Ancestral meanings: A prelude to evolutionary animal linguistics.” *Linguistics and Philosophy*. Published: 16 October 2025.

Other

1. 2023. “Introduction” to *Special Issue of Revue Économique in Honor of Robert Aumann*, with Antoine Billot. *Revue Économique* 74 (4): 499–504.

8 Work in progress

Articles

- “Equilibrium refinement in signaling games as truth conditions of counterfactuals”
- “Extensive-form rationalizability and invariance” with Rida Laraki
- “Delta-Epsilon common knowledge” with Stefan Schrott and Daniel Toneian

Books

- “Workshop for Writers in Economics and Related Disciplines” (lecture notes)
- “Dialogues Aumannies” (in French)

9 Invited talks and talks at conferences

2006	Vienna Working Group in Bio-Mathematics
	Workshop on Economics and Philosophy, Universidad Nacional de Educacion a Distancia, Madrid, Spain
	European Mathematical Psychology Group Meeting, Brest, France
	Invited talk at the Symposium “Games in Communication,” Department of Linguistics, University of Bielefeld
2007	Vienna Working Group in Bio-Mathematics
	Symposium “Games in Communication II,” Department of Linguistics, University of Bielefeld
	Zentrum für Angewandte Sprachwissenschaft (ZAS), Berlin
2008	University of Illinois at Urbana-Champaign, USA
2009	6 Lectures in Game Theory for Linguists, Working Group in Language Change, University of Vienna
2010	Séminaire TOM – Théorie, Organisation et Marché, Paris School of Economics
	Paris Working Group on Evolutionary Game Theory, Institut Henri Poincaré
2011	Paris Working Group on Evolutionary Game Theory, Institut Henri Poincaré
	22nd International Game Theory Conference at Stony Brook, USA
2012	SIGMA research group, Institut Jean Nicod, Paris
	THEMA, Economics Department, Université de Cergy-Pontoise, France
	Theory Workshop, Centre d’Economie de la Sorbonne, Paris
	23rd International Game Theory Conference at Stony Brook, USA
2013	“Minds in Common,” Workshop, École Normale Supérieure, Paris
	Randomness and Divine Providence, Conference, Calvin College, Grand Rapids, USA
	Program for Evolutionary Dynamics, Harvard University, USA
	Study Group in Mathematical Psychiatry, Columbia University, USA
2014	The Limits and Possibilities of Narrative Explanations, Workshop, Wissenschaftskolleg Berlin, Germany
2016	Experiments & Models of Social Networks: Cooperation, Conflict and Trust, Workshop, Copenhagen, Denmark
	Economic Theory Conference, University of Warwick, UK
	World Congress of Game Theory, Maastricht, NL
	Invited talk: Economics Department, University of Maastricht, NL

2018	<p>International Symposium on Dynamic Games and Applications, Grenoble, France. Talk: “Equilibrium refinement in signaling games as truth conditions of counterfactuals”</p> <p>December 12: Dialogue and Game Theory Reading Group, Université Paris-Diderot, Paris 8, Laboratoire Linguistique Formelle (LLF). Talk: “Costly-signaling games: Applications in the study of language”</p> <p>Workshop on Optimization, Game Theory, and Data Analysis (at the occasion of Immanuel Bomze’s 60th birthday), University of Vienna. Talk: Costly signaling: Rationality and evolution (a classification)”</p>
2019	<p>January 17: Economics Department, KIT–Karlsruhe Institute of Technology, Germany. Invited talk: “Costly signaling: Rationality and Evolution”</p> <p>April 30: University of Vienna, Working Group in Mathematical Biology. Talk: “Costly signaling: rationality and evolution”</p> <p>May 2: Max Planck Institute for Evolutionary Biology, Plön, Germany. Talk: “Costly signaling: rationality and evolution”</p> <p>June 4–5: Workshop on Dynamic Games, CIRM–Centre Internationale de Rencontres Mathématiques, Luminy, France. Talk: “Costly signaling: rationality and evolution”</p> <p>June 20: Journée d’Economie, Université Paris–Panthéon–Assas. Talk: “Costly signaling: rationality and evolution”</p> <p>October 4: Vienna Workshop in Evolutionary Game Theory, University of Vienna. Talk: “The evolutionary dynamics of costly signaling”</p> <p>December 16: Paris Game Theory Seminar, Institut Henri Poincaré. Talk: “The evolutionary dynamics of costly signaling”</p>
2020	<p>January 17: University North, Department of Communication, Koprivnica (Croatia). Talk: “Reading Barthes: A structural analysis of mathematical writing.”</p> <p>January, 30: London School of Economics, Seminar on Combinatorics, Games and Optimisation. Talk: “Costly signaling: Rationality and evolution”</p> <p>September 7–8: SMAI–MODE (Société de Mathématiques Appliquées et Industrielles – Mathématiques de l’Optimisation et de la Décision) days, Paris-Saclay (online). Talk: “Costly signaling: Rationality and evolution”</p>
2021	<p>April 30: University of Graz, Austria. Invited talk: “Strategic manipulation in Bayesian Dialogues” (online)</p> <p>November 26–28: Conference in Memory of Philippe Mongin, University Paris Dauphine. France. Talk: “Structural analysis of narrative and game theory”</p>
2022	<p>April 5–6: Workshop <i>What is a game? Fresh perspectives on games and human behavior</i>, London School of Economics, UK. Talk: “The sequence of functions in time vs. the matrix: a parallel in debates in game theory and narrative analysis”</p> <p>May 15: University of Graz, Austria. Invited talk: “Costly signaling: Rationality and evolution”</p>

	June 20–22: French Conference on Complexity FrCCS2022, Paris, France. Talk: “Strategic manipulation in Bayesian Dialogues”
	June 28–29: Paris-Berkeley Workshop on Probability and Meaning, ENS, Institut Jean Nicod, Paris. Talk: “Meaning in costly-signaling games”
	July 18–22: 41 st Maximum Entropy Conference, Institut Henri Poincaré, Paris. Talk: “Strategic manipulation in Bayesian Dialogues” (online)
	December 9 : Centre d’Économie de la Sorbonne. Invited talk: “Costly signaling: Rationality and evolution”
2023	February 18–22: Conference “Writing Research Across Borders 2023,” Norwegian University of Science and Technology. Talk: “Free indirect style in mathematical writing” (online)
	June 15: 1st Paris Workshop on Games, Decisions, and Language. Talk: “Implicatures in Bayesian Dialogues”
	October 26–27: Second Paris Workshop on Dynamic Games. Talk: “The evolutionary dynamics of costly signaling”
	December 21: Workshop “Probabilities and Interaction,” University of Vienna, Faculty of Mathematics. Talk: “Belief-based refinements, index of equilibria, and invariance in signaling games”
2024	April 15–17: LSE Game Theory Workshop. Talk: “Meaning in costly signaling games”
	June 6: Linguae Seminar, Institut Jean Nicod, Paris. Talk: “Meaning in costly signaling games”
	September 30: Paris Game Theory Seminar, Institut Henri Poincaré. Talk: “Evolutionary dynamics of costly signals and signals with positive payoff increments”
	October 10: IFM–Institut Français de la Mode, Paris. Talk: “Costly signaling games: Applications in dress and fashion”
	October 17–18: 3rd Workshop on Dynamic Games, University Paris–Panthon–Assas. Talk: “Evolutionary dynamics of signals with positive payoff increments”
2025	January 17: University of Bielefeld, Economics Department. Talk: “Evolutionary dynamics of costly signals and signals with positive payoff increments”
	June 5–7: 3rd Paris Workshop on Game Theory and Language, joint talk with Josef Hofbauer
	July 1: Vienna Working Group in Biomathematics. Talk: “Evolutionary dynamics in signaling games”
	October 16: Dynamic Games and Applications Online Seminar. Talk: “Evolutionary dynamics in signaling games”
Upcoming	October 28: Morocco Center of Game Theory.
	November 20–21: IFM–Institut Français de la Mode, Paris.

10 Organization of Workshops and Conferences

2019	Mai 22–24: Workshop on Signaling in Markets, Auctions, and Games, Université Paris–Panthéon-Assas (co-organized with Olivier Bos)
	October 4: Vienna Workshop on Evolutionary Game Theory, University of Vienna (co-organized with Josef Hofbauer)
2021	October 11: Colloquium in Honor of Robert Aumann, Université Paris–Panthéon-Assas (co-organized with Antoine Billot)
2022	May 27: Mini Symposium: Novels and Symphonies as Concrete Artifacts, Université Paris–Panthéon-Assas (co-organized with Ned Markosian)
	June 8–9: Signaling in Social Interactions: A Multidisciplinary Approach, Université Paris–Panthéon-Assas (co-organized with Olivier Bos)
2023	June 15–16: 1st Paris Workshop on Game Theory and Language, Université Paris–Panthéon-Assas
	December 21: Mini-Workshop: Probabilities and Interaction, University of Vienna, Faculty of Mathematics (co-organized with Mathias Beiglböck)
2024	June 13–14: 2nd Paris Workshop on Game Theory and Language, Université Paris–Panthéon-Assas
2025	June 2–7: First Paris Game Theory Festival, Institut Henri Poincaré and Université Paris–Panthéon-Assas (co-organized with Chantal Marlats and Olivier Gossner)
	June 5–7: 3rd Paris Workshop on Game Theory and Language, Université Paris–Panthéon-Assas
2026	June 11–12: 4th Paris Workshop on Game Theory and Language: “50 Years of Agreeing to Disagree,” Université Paris–Panthéon-Assas
upcoming	

11 Other professional activities

Reviewing

Journals

In parentheses: number of articles reviewed (no double counting for revisions)

Annals of Operations Research (1), The British Journal for the Philosophy of Science (1), Dynamic Games and Applications (4), Econometrica (1), Economic Theory (3), Erkenntnis (1), European Journal of Operational Research (1), Games (4), International Game Theory Review (1), International Journal of Game Theory (5), Journal of Economic Behavior & Organization (2), Journal of Logic, Language and Information (1), Journal of Mathematical Biology (1), Journal of Semantics (1), Journal of Theoretical Biology (6), PLOS Computational Biology (1), PNAS Nexus (1), RAIRO Operations Research (1), Revue Economique (1), Social Sciences (1).

Research Foundations

In parentheses: number of applications reviewed.

FWF–Austrian Science Fund (1), ISF–Israel Science Foundation (1), NSF–National Science Foundation, USA (1), NWO–Dutch Research Council (1).

Other

- 2018–present: As member of the Scientific Committee of the Labex MME-DII (Modèles Mathématiques et Économiques de la Dynamique, de l’Incertitude et des Interactions), about 30 applications per year (for scientific projects, conferences and workshops, Master, PhD, post-doc positions, international short-term chairs of excellence, teaching buyouts)
- 2024–present: CogSci conference

Editorial responsibilities

2021–present: member of the editorial board of *The International Journal of Game Theory*.

2022–23: Guest editor, together with Antoine Billot, of the Special Issue of *Revue Économique in Honor of Robert Aumann* 2023/4, Vol. 74.

2023–present: Guest editor, together with Paul Égré, Joel Sobel, Benjamin Spector, and Bernhard von Stengel of the Special Issue of *The International Journal of Game Theory on Games, Decisions, and Language*. Continuous online publishing.

Institutional services

2012 – 2020	Member of the Committee of the Faculty of Economics and Business (Conseil de l’UFR)
2014 – present	Member of the board of the CMI (Cursus du Master en Ingénierie) “Économie, Finance Qualitative, Statistique,” a selective undergraduate program in economics at the University Paris–Panthéon–Assas; responsible for the matching of students to projects proposed by faculty
2018 – 2024	Member of the Bureau of the Department of Economics of the University Paris–Panthéon–Assas
2021 – present	Member of the Scientific Committee of the Labex MME-DII (Modèles Mathématiques et Économiques de la Dynamique, de l’Incertitude et des Interactions)
2023 – present	Member of the Collège de formation et de recherche (CFR) “Risque, environnement et sécurité” of the University Paris–Panthéon–Assas
2025 – present	Co-director of the CMI (Cursus du Master en Ingénierie) “Économie, Finance Qualitative, Statistique,” a selective undergraduate program in economics at the University Paris–Panthéon–Assas

Recruitment committees

2017	Member of the committee for the recruitment of an assistant professor in mathematics at the University Paris–Panthéon–Assas
2020	Member of the committee for the recruitment of a “professeur agrégé” (PRAG) in mathematics at the University Paris–Panthéon–Assas
2021	Member of the committee for the recruitment of an assistant professor in mathematics at the University Paris 1 Panthéon–Sorbonne
2025	Member of the committee for the recruitment of an assistant professor in computer science at the University Paris–Panthéon–Assas

Supervising

Undergraduate yearly projects of students of the CMI EFiQuaS:

2014–present: about 8 students per year

Supervision of research interns at LEMMA:

- 2017: Solenne Bore, Luc Fortin (CMI EFiQuaS)
- 2018: Adrien Bay, Corentin Bonnet (CogMaster, ENS)
- 2018: Fatimata Kane, Gradie Muntu (CMI EFiQuaS)
- 2019: Emma Morato (CMI EFiQuaS)
- 2020: Pauline Oger (CMI EFiQuaS)
- 2021: Clément Lauré (CMI EFiQuaS)
- 2022: Élodie Connehuet (CMI EFiQuaS)
- 2023: Victorien Marette (ENS, Paris Saclay), Arsen Pidburachynskyi (CMI EFiQuaS)
- 2024: Zoé Dupeyre, Jasmine Kacer, Abram Lakhvinder (CMI EFiQuaS), Eva Djamou (Paris–Panthéon-Assas)
- 2025: Maxime Auffret-Babak (CMI EFiQuaS), Eva Djamou (Paris–Panthéon-Assas), Thérèse Dong (CMI EFiQuaS)

Master theses (Master *Ingénierie Statistique et Financière*, Paris–Panthéon–Assas):

- 2018–19 : Agathe Cannet (M2), Aurélien Legros (M2)
- 2019–20 : Ngoc Hoang (M2), Nabila Ouliz (M2)
- 2020–21 : Lucas Walter (M1)
- 2021–22 : Lucas Walter (M2), Gaëlle Thiombiano (M1)
- 2022–23 : Gaëlle Thiombiano (M2)
- 2023–24 : Ilhan Derouiche-Lagarde (M1)
- 2023–24 : Ilhan Derouiche-Lagarde (M2), Zeki Ekici (M2), Younès Hafiane (M1)

12 Grants received

2019	Labex MME DII (Modèles Mathématiques et Économiques de la Dynamique, de l'Incertain et des Interactions) for the international workshop <i>Signaling in Markets, Auctions, and Games</i> (together with Olivier Bos): 9 640,- euros
2021	Labex MME DII, for the <i>Colloquium in Honor of Robert Aumann</i> (together with Antoine Billot) : 8 000,- euros BQR (Bonus Qualité de Recherche) of the Université Paris–Panthéon–Assas, for the <i>Colloquium in Honor of Robert Aumann</i> (together with Antoine Billot) : 6 000,- euros Labex MME DII for the international workshop <i>Signaling in Social Interactions</i> (together with Olivier Bos): 8 000,- euros
2022	Labex MME DII, for the <i>First Paris Workshop on Games, Decisions, and Language</i> : 6 000,- euros
2023	BQR of the Université Paris–Panthéon–Assas, for the <i>First Paris Workshop on Games, Decisions, and Language</i> : 3 500,- euros Maison des Sciences de l'Homme, for the <i>First Paris Workshop on Game Theory and Language</i> (together with Olivier Bos): 3 600,- euros Fondation Paris–Panthéon–Assas, for the <i>Second Paris Workshop on Game Theory and Language</i> : 7 200,- euros Labex MME DII, for the <i>Second Paris Workshop on Games, Decisions, and Language</i> : 5 000,- euros
2024	Labex MME DII, Teaching buyout for 2024–25: 8 000,- euros
2025	BQR of the Université Paris–Panthéon–Assas, for the <i>Third Paris Workshop on Game Theory and Language</i> : 4 000,- euros FSM (Fondation des Sciences de la Modélisation), for the <i>Third Paris Workshop on Game Theory and Language</i> : 4 000,- euros

13 Other

Non-academic publications

“Leben ist nicht genug” [Short story, in German]. In: Christa Stippinger (ed.) *Grenzgänger*, Edition Exil, Vienna 2001.

“Many and One. On Sylvia K. Kummer’s: The Body as Space for Perception. An exhibition at Die Schöne Art Gallery.” Vienna, September 13–15, 2019.

Languages

German, English, French