

## CURRICULUM VITAE

### TAYFUN SONMEZ

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#### Education:

- Ph.D. in Economics, University of Rochester, May 1995.
- M.A. in Economics, University of Rochester, May 1994.
- B.S. in Electrical Engineering, Bilkent University, Ankara, Turkey, June 1990.

#### Full Time Appointments:

- September 2005 - present: Professor of Economics, Boston College
- January 2000 - August 2005: Associate Professor of Economics, Koc University, Istanbul, Turkey
- February 1999 - January 2000: Assistant Professor of Economics, Koc University, Istanbul, Turkey
- July 1995 - January 1999: Assistant Professor of Economics, University of Michigan

3. "Enhanced Role of Multi-Pair Donor Swaps in Response to Size Incompatibility: The First Two 5-Way and the First 6-Way Liver Paired Exchanges," (joint with Sezai Yilmaz, Utku Ünver, Volkan Ince, Sami Akbulut, Kemal Baris Sarici and Burak Isik), *American Journal of Transplantation*, 24(10), 1881-1895, October 2024.
4. "Fair Allocation of Vaccines, Ventilators and Antiviral Treatments: Leaving No Ethical Value Behind in Health Care Rationing," (joint with Parag Pathak, Utku Ünver and M. Bumin Yenmez), *Management Science*, 70(6): 3999-4036, June 2024.
5. "Redesigning the US Army's Branching Process: A Case Study in Minimalist Market Design," (joint with Kyle Greenberg and Parag Pathak), *American Economic Review*, 114(4): 1070-1106, April 2024.
6. "The First 4-Way Liver Paired Exchange from an Interdisciplinary Collaboration between Healthcare Professionals and Design Economists," (joint with Sezai Yilmaz, Utku Ünver, Volkan Ince, Sami Akbulut, Burak Isik and Sukru Emre), *American Journal of Transplantation*, 23(10), 1612-1621, October 2023.
7. "Reversing Reserves," (joint with Parag Pathak and Alex Rees-Jones), *Management Science*, 69:11, 6940-6953, 2023.
8. "Use of a Weighted Lottery to Equitably Allocate Scarce Supply of COVID-19 Monoclonal Antibody Pre-exposure Prophylaxis," (joint with Erin K. McCreary, Utibe R. Essien, Chung-Chou H. Chang, Rachel A. Butler, Parag Pathak, M. Utku Ünver, Ashley Steiner, Maddie Chrisman, Derek C. Angus and Douglas B. White), *JAMA Health Forum*, 4(9):e232774, 2023.
9. "Reserve System Design for Allocation of Scarce Medical Resources in a Pandemic: Some Perspectives from the Field," (joint with Parag Pathak, Govind Persad, and Utku Ünver), *Oxford Review of Economic Policy*, 38:4, 924-940, Winter 2022.
10. "A Multi-center Weighted Lottery to Equitably Allocate Scarce COVID-19 Therapeutics," (joint with Douglas White, Erin McCreary, Chung-Chou Ho Chang, Mark Schmidhofer, Robert Truog, Govind Persad, Naudia Jonassaint, Parag Pathak, and Utku Ünver), *American Journal of Respiratory and Critical Care Medicine*, 206(4):503-506, August 15, 2022.

11. \A rnative Action in India via Vertical, Horizontal, and Overlapping Reservations," (joint with M. Bumin Yenmez), *Econometrica*, 90(3), 1143-1176, May 2022.
12. \Deduction Dilemmas: The Taiwan Assignment Mechanism," (joint with Umut Dur, Parag Pathak, and Fei Song), *AEJ: Microeconomics*, 14(1), 164-85, February 2022.
13. \A Novel Approach to Equitable Distribution of Scarce Therapeutics: Institutional Experience Implementing a Reserve System for Allocation of COVID-19 Monoclonal

21. "How (not to) Integrate Blood Subtyping Technology to Kidney Exchange," (joint with Utku Ünver and Özgür Yılmaz), *Journal of Economic Theory*, 176: 193-231, July 2018.
22. "Dual-Donor Organ Exchange," (joint with Haluk Ergin and Utku Ünver), *Econometrica*, 85(5): 1645-1671, September 2017.
23. "Market Design for Living-Donor Organ Exchanges: An Economic Policy Perspective" (joint with Utku Ünver), *Oxford Review of Economic Policy*, 33(4): 676-704, November, 2017.
24. "School Choice Under Complete Information: An Experimental Study," (joint with Yan Chen and Yingzhi Liang), *Journal of Mechanism and Institution Design*, 1(1): 45-82, December 2016.
25. "Matching with Slot-Specific Priorities: Theory," (joint with Scott Duke Kominers), *Theoretical Economics*, 11(2), 683-710, May 2016.
26. "Kidney Exchange and the Alliance for Paired Donation: Operations Research Changes the Way Kidneys are Transplanted," (joint with Ross Anderson, Itai Ash-

33. "Course Bidding at Business Schools" (joint with Utku Ünver), *International Economic Review*, 51(1): 99-123, Feb 2010.
34. "Leveling the Playing Field: Sincere and Strategic Players in the Boston Mechanism" (joint with Parag Pathak), *American Economic Review*, 98(4): 1636-1652, 2008.
35. "Efficient Kidney Exchange: Coincidence of Wants in Markets with Compatibility-Based Preferences" (joint with Alvin Roth and Utku Ünver), *American Economic Review*, 97-3: 828-851, June 2007.
36. "Increasing the Opportunity of Live Kidney Donation by Matching for Two and Three Way Exchanges" (joint with Susan Saidman, Alvin Roth, Utku Ünver and

45. "School Choice: A Mechanism Design Approach" (joint with Atila Abdulkadiroglu), *American Economic Review*, 93: 729-747, 2003.
46. "Ordinal Efficiency and Dominated Sets of Assignments" (joint with Atila Abdulkadiroglu), *Journal of Economic Theory*, 112: 157-172, 2003.
47. "Improving Efficiency of On-Campus Housing: An Experimental Study" (joint with Yan Chen), *American Economic Review*, 92: 1669-1686, 2002.
48. "Core in a Simple Coalition Formation Game" (joint with Suryapratim Banerjee and Hideo Konishi), *Social Choice and Welfare*, 18: 135-153, 2001.
49. "House Allocation with Existing Tenants" (joint with Atila Abdulkadiroglu), *Journal of Economic Theory*, 88: 233-260, 1999.
50. "Can Pre-Arranged Matches be Avoided in Two-Sided Matching Markets?" *Journal of Economic Theory*, 86: 148-156, 1999.
51. "Strategy-Proofness and Essentially Single-Valued Cores," *Econometrica*, 67: 677-689, 1999.
52. "A Tale of Two Mechanisms: Student Placement" (joint with Michel Balinski), *Journal of Economic Theory*, 84: 73-94, 1999.
53. "Random Serial Dictatorship and the Core from Random Endowments in House Allocation Problems" (joint with Atila Abdulkadiroglu), *Econometrica*, 66: 689-701, 1998.
54. "Manipulation via Capacities in Two-Sided Matching Markets," *Journal of Economic Theory*, 77: 197-204, 1997.

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59. "Nash Implementation of Matching Rules" (joint with Tar k Kara), *Journal of Economic Theory* 68: 425-439, 1996.
60. "Consistency, Monotonicity, and the Uniform Rule," *Economics Letters*, 46, 229-235, 1994.

#### Other Publications:

1. "Nierentausch in Deutschland: Analysen und Empfehlungen," (Kidney Exchange in Germany: Analyses and Recommendations), (joint with Axel Ockenfels and Utku Ünver), forthcoming in *Medizinrecht*.
2. "Liver Paired Exchange," (joint with Sezai Yilmaz, Utku Ünver, Veysel Umman, Volkan Ince, Sami Akbulut, Murat Zeytunlu, Burak Isik, Sukru Emre), *Living Donor Organ Transplantation*, Volume 2, Chapter 34.16.2, Rainer W.G. Gruessner and Enrico Benedetti (eds), Academic Press, 2024.
3. "Fair Access to Scarce Medical Capacity for Non-Covid-19 Patients: A Role for Reserves," (joint with Govind Persad, Parag Pathak, and M Utku Ünver), *British Medical Journal* 2022; 376:o276.
4. Extended Abstract for "Fair Allocation of Vaccines, Ventilators and Antiviral Treatments: Leaving No Ethical Value Behind in Health Care Rationing," (with Parag Pathak, Utku Ünver and Bumin Yenmez), *EC '21: Proceedings of the 22nd ACM Conference on Economics and Computation*, 785{786, 2021.
5. "Improving Ventilator Rationing Through Collaboration With Experts on Resource Allocation," (joint with Parag Pathak and Utku Ünver), *JAMA Network Open*, June 19, 2020.
6. "Leverbytesprogram - framtid för Sverige?" (Liver Exchange - A future for Sweden?), (joint with Tommy Andersson and Utku Ünver), *Lakartidningen (The Journal of the Swedish Medical Association)* 115, E9YL, August 2018.
7. "Cadet-Branch Matching," *ACM SIGecom Exchanges*, 13(1): 50-57, June 2014.
8. Extended Abstract for "Matching with Slot-Specific Priorities: Theory," (with Scott Kominers), *EC'13: Proceedings of the 14th ACM Conference on Electronic Commerce*, 603{604, 2013.
9. "Market Design for Kidney Exchange," (joint with Utku Ünver) *Oxford Handbook of Market Design*, Z. Neeman, A. Roth, N. Vulkan (eds.), Oxford, 2013.

10. "Matching Markets: Theory and Practice," (joint with Atila Abdulkadiroglu), *Advances in Economics and Econometrics*, D. Acemoglu, M. Arellano, and E. Dekel (eds), Cambridge, 2013.
11. "Matching, Allocation, and Exchange of Discrete Resources," (joint with Utku Ünver), *Handbook of Social Economics, Handbook of Social Economics*, Vol. 1A., J. Benhabib, A. Bisin, and M. Jackson (eds.), The Netherlands: North-Holland, (2011) 781-852.
12. "Kidney Paired Donation with Compatible Pairs," (joint with Alvin Roth and Utku Ünver), *American Journal of Transplantation*, 8(2):463, Feb 2008.
13. "Matching" (joint with Muriel Niederle and Alvin Roth), *The New Palgrave Dictionary of Economics*, 2nd edition, Eds. Steven N. Durlauf and Lawrence E. Blume, Palgrave Macmillan, 2008.







- "Vaccine Rollout Could Ease Crisis, But Who Gets it First?" *Washington Post*, 12/03/2020.
- "The Case for a Covid Vaccine Lottery," *Bloomberg Opinion*, 11/09/2020.
- "Will the Hardest-Hit Communities Get the Coronavirus Vaccine?" *New York Times*, 10/30/2020.
- "Blood Banks Face a Generation Gap in Giving," *Wall Street Journal*, 07/17/2020.
- "Who Gets the Covid-19 Vaccine First? Here's One Idea," *New York Times*, 07/23/2020.
- "How to End the Plasma Shortage for Coronavirus Patients," *Bloomberg Opinion*, 05/11/2020.
- "Who Gets the Ventilator," *Freakonomics*, 04/15/2020.
- "Markets Can Improve Rationing of Medical Supplies," *Bloomberg Opinion*, 04/10/2020.
- "How an Economist Helped Thousands Get New a Kidney," *BBC*, 12/17/2019.
- "Lung exchanges Breathe deeply for the three of us," *The Economist*, Free Exchange, 9/28/2014.
- "No Division Required in This School Problem from the P57 T79.487 0 Td1ieGet New a Communityr23