



JOHNS HOPKINS
CAREY BUSINESS SCHOOL



Johns Hopkins Symposium on Healthcare Operations

When Organ Transplantation Meets Operations Research

Co-Chairs: Tinglong Dai and Ozge Sahin

Baltimore, Maryland | October 1, 2016

2016 Johns Hopkins Symposium on Healthcare Operations

When Organ Transplantation Meets Operations Research

Agenda

8:00-9:00 a.m.	Continental breakfast	1:30-2:00 p.m.	Dimitris Bertsimas (MIT) Efficiency-Fairness Tradeoff in Organ Transplantation
9:00-9:30 a.m.	Bernard T. (Bernie) Ferrari, Dean, Johns Hopkins Carey Business School Valerie Suslow, Vice Dean for Faculty and Research, Carey Business School Co-Chairs Tinglong Dai and Ozge Sahin Welcome and Introductions	2:00-2:30 p.m.	Baris Ata (UChicago) OrganJet: Overcoming Geographical Disparities in Access to Deceased Donor Kidneys
9:30-10:00 a.m.	Robert Montgomery (NYU Medical Center) Paired Kidney Exchange	2:30-3:00 p.m.	Sommer Gentry (US Naval Academy) Gerrymandering for Justice: Redistricting U.S. Liver Allocation Sommer Gentry
10:00-10:30 a.m.	Benjamin Philosphe (Johns Hopkins Medicine) Maryland Aggregate Pathology Index (MAPI): Development, Validation, and Future Research	3:00-3:30 p.m.	Break
10:30-11:00 a.m.	Sridhar Tayur (Carnegie Mellon) MY-ATLAS: Mapping HCC Tumor Biology to Compute Equitable Exception Points	3:30-4:00 p.m.	Itai Ashlagi (Stanford) Matching and Participation in Kidney Exchange
11:00-11:30 a.m.	Break	4:00-4:30 p.m.	Charles Alexander (CEO, Living Legacy; former President of UNOS) OPO Operations
11:30 a.m.-12:00 p.m.	Andrew Schaefer (Rice U) Mitigating Information Asymmetry in Liver Allocation	4:30-5:00 p.m.	Pinar Keskinocak (Georgia Tech) Assessment of risk for transplant- transmissible infectious encephalitis due to emerging pathogens among deceased liver donors
12:00-12:30 p.m.	John Roberts (UCSF Medical Center) Applying Algorithms to Organ Transplantation	5:00-5:45 p.m.	Panel Discussion Moderator: Sommer Gentry Panelists: Dimitris Bertsimas, John Roberts, Sridhar Tayur Collaborating to Succeed: How to Bridge Academic Research, Policymaking, and Medical Practice
12:30-1:30 p.m.	Lunch	6:00-7:00 p.m.	Closing Reception

Speakers



Charles Alexander, MBA, MSN, RN, CPTC
President and CEO
The Living Legacy Foundation,
Maryland's Organ Procurement Organization



Robert Montgomery, MD, DPhil, FACS
Director, Transplant Institute
NYU Langone Medical Center
Former Chief, Division of Transplantation of
The Johns Hopkins Hospital



Itai Ashlagi, PhD
Assistant Professor of
Management Science and Engineering
Stanford University



Benjamin Philosophe, M.D., Ph.D.
Interim Chief, Division of Transplantation,
Johns Hopkins Hospital;
Professor of Surgery
Johns Hopkins School of Medicine



Baris Ata, PhD
Professor of Operations Management
University of Chicago
Booth School of Business



John Roberts, MD
Professor and Chief
Division of Transplant Surgery
Chief, UCSF Medical Center
Transplant Service
Endowed Chair in Abdominal Transplantation



Dimitris Bertsimas, PhD
Boeing Leaders for Global Operations
Professor, Operations Research/Statistics
Massachusetts Institute of Technology
Sloan School of Management



Andrew J. Schaefer, PhD
Noah Harding Chair
Professor of Computational and
Applied Mathematics
Rice University



Sommer Gentry, PhD
Professor
Mathematics Department
United States Naval Academy



Sridhar Tayur, PhD
Distinguished Research Chair
Professor of Operations Management
Tepper School of Business
Carnegie Mellon University



Pinar Keskinocak
William W. George Chair and Professor
Stewart School of Industrial Engineering
Georgia Institute of Technology

Johns Hopkins Symposium on Healthcare Operations

Bringing together leading operations scholars, policy makers, and transplant surgeons to share cutting-edge research and practice in organ donation, allocation, and transplantation.



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