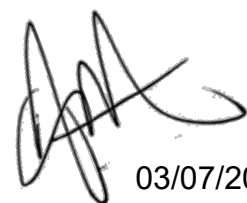


University of Minnesota Curriculum Vitae

ANDREW B. ADAMS MD, PHD
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03/07/2023

Education

Fellow in Transplant Surgery Emory University School of Medicine, Emory University Hospital	2010 - 2012
Resident in General Surgery Harvard Medical School, Massachusetts General Hospital	2005 - 2010
MD, <i>Magna cum laude</i> , Emory University School of Medicine Major: Medical Scientist Training Program (MSTP)	2005
PhD, Emory University Dissertation Title: "Transplantation Tolerance: Successful Approaches and Potential Barriers" Advisor: Christian Larsen, Thomas Pearson	2003
BS, Brigham Young University Major: Molecular Biology	1997

Licenses and Certifications

Minnesota Medical License (68238)	October 2020 - Present
Georgia Medical License (64170)	April 1, 2010 - Present
American Board of Surgery (056220)	October 3, 2011 - December 31, 2024
Certificate in Abdominal Transplant Surgery, American Society of Transplant Surgeons	June 2012

Academic Appointments

Chief, Division of Transplantation University of Minnesota Surgery, Minneapolis, Minnesota, United States	September 2020 - Present
John S Najarian Surgical Chair in Clinical Transplantation University of Minnesota Surgery, Minneapolis, Minnesota, United States	September 2020 - Present
Professor of Surgery with Tenure University of Minnesota Surgery, Minneapolis, Minnesota, United States	September 2020 - Present
Associate Professor of Surgery with Tenure Emory University School of Medicine Department of Medicine, Division of Transplantation	2018 - 2020

Training Faculty
Emory University 2014 - 2020
Laney Graduate School, Graduate Division of Biological and
Biomedical Sciences
Assistant Professor of Surgery
Emory University School of Medicine 2012 - 2018
Department of Surgery, Division of Transplantation

Clinical/Hospital Appointments

Executive Medical Director
MHealth Fairview September 2020 - Present
Solid Organ Transplant Service Line
Minneapolis, Minnesota, United States
Director of Clinical and Translational Research
Emory Healthcare 2015 - 2020
Emory Transplant Center
Abdominal Transplant Surgeon
Children's Healthcare of Atlanta July 2012 - 2020
Abdominal Transplant Surgeon
Emory University Hospital July 2012 - 2020
Emory Transplant Center

Consulting

Advisory Board, For Profit Organization, Makana Therapeutics January 2023 - Present
Advisory Board Member, For Profit Organization, eGenesis October 2022 - Present
Advisory Board Member, For Profit Organization, Veloxis August 20, 2022 - Present
Consultant, For Profit Organization, Sanofi US Services Inc. December 2, 2021 - Present
Consultant/Speaker, For Profit Organization, Horizon Therapeutics June 17, 2022
Advisory Board Member, For Profit Organization, Novartis
'New perspectives on CNI-free treatment with belatacept' November 16, 2021 - 2021
Advisory Board Member, For Profit Organization, eGenesis,
Chicago, Illinois September 30, 2021
eGenesis Renal Advisory Board
Advisory Board Member, For Profit Organization, Exosome
Diagnostics December 29, 2020 - 2020
Exosomal mRNA test for Kidney Transplant Rejection

Current Membership in Professional Organizations

International Xenotransplantation Association 2015 - Present
American Society of Transplant Surgeons 2010 - Present
American College of Surgeons 2008 - Present
American Society of Transplantation 2004 - Present
The Transplantation Society 2000 - Present

HONORS AND AWARDS FOR RESEARCH WORK, TEACHING, PUBLIC ENGAGEMENT, AND SERVICE

External Sources

2022 Minnesota Monthly Top Doctor, Minnesota Monthly	2022
Clinical Excellence Honors, M Physicians	2022
2017 Doctor's Day Outstanding Faculty Recognition, Emory University School of Medicine	2017
Basic Science Career Development Award, American Society of Transplantation	2017
Fellow's Choice Award, Genzyme Transplant Fellows Conference	2012
Woodruff Scholar Early Independence Award	2011
Chief Resident Teaching Award, General Surgery Residency Program, Massachusetts General Hospital	2010
Fellowship in Transplantation Award, American Society of Transplant Surgeons	2010
Alpha Omega Alpha Medical Honor Society	2005
Dean's Award for academic excellence & other exemplary qualities, Emory University School of Medicine	2005
American Society of Transplantation - Young Investigator Award	2004
American Society of Transplantation - Young Investigator Award	2003
International Pancreas and Islet Association Travel Award	2003
Novartis Transplant Fellows Program - Basic Sciences Award	2002
Phi Eta Sigma Honor Society	1991

RESEARCH AND SCHOLARSHIP

Awards and Projects Routed through Sponsored Projects Administration (External Sources)

Current:

1. **Award: Strategies to Optimize Pig to Primate Xenograft Survival**

Principal Investigator: Adams, Andrew B.
Sponsoring Organization Reference ID: 2U01AI126322-07
Status: Accepted
Sponsoring Organization: NIH Nat'l Inst of Allergy & Infect Dis
Award Dates: July 1, 2021 - April 30, 2025

Project: Strategies to Optimize Pig to Primate Xenograft Survival

Project Team: Adams, Andrew, B. (Principal)
Status: Approved
Project Dates: April 22, 2021 - April 30, 2023

2. **Award: Simultaneous Targeting of the CD28 and OX40 pathways to Prevent Transplant Rejection**

Principal Investigator: Adams, Andrew B.
Sponsoring Organization Reference ID: SSA_2022_069727
Status: Accepted
Sponsoring Organization: SANOFI-AVENTIS US
Award Dates: September 23, 2022 - September 23, 2024

Project: Simultaneous Targeting of the CD28 and OX40 pathways to Prevent Transplant Rejection

Project Team: Adams, Andrew, B. (Principal)
Status: Approved
Project Dates: September 23, 2022 - September 23, 2024

3. **Award: The Role of Common Gamma Chain (CD132) Signaling in Transplant Rejection**

Principal Investigator: Adams, Andrew B.
Sponsoring Organization Reference ID: 2021-019263
Status: Accepted
Sponsoring Organization: REGENERON PHARMACEUTICALS, INC.
Award Dates: September 8, 2022 - September 8, 2024

Project: The Role of Common Gamma Chain (CD132) Signaling in Transplant Rejection

Project Team: Adams, Andrew, B. (Principal), Adams, Andrew, B. (Principal)
Status: Approved
Project Dates: September 8, 2022 - September 8, 2024

4. **Award: Selective CD28 Blockade in Renal Transplant Recipients**

Project Investigators: Larsen (Multiple PI), Adams, Andrew B. (Multiple PI), Ford
Status: Funded
Sponsoring Organization: Federally Funded
Award Dates: August 1, 2018 - July 31, 2023
Funded Amount for Entire Grant Period or Proposed Grant Period: \$6,351,372.00

5. **Award: Imaging Costimulation Blockade Resistant Rejection**

Principal Investigator: Adams, Andrew B.
Sponsoring Organization Reference ID: 5U01AI132904-06
Status: Accepted
Sponsoring Organization: NIH Nat'l Inst of Allergy & Infect Dis
Award Dates: February 1, 2021 - May 31, 2023

Project: Imaging Costimulation Blockade Resistant Rejection

Project Team: Adams, Andrew, B. (Principal)
Status: Approved
Project Dates: February 1, 2021 - May 31, 2023

6. **Award: Transplant Tolerance in Non-Human Primates**

Principal Investigator: Adams, Andrew B.
Sponsoring Organization Reference ID: A575007/A684244
Status: Accepted
Sponsoring Organization: EMORY UNIVERSITY
Award Dates: August 1, 2021 - April 30, 2023

Project: Transplant Tolerance in Non-Human Primates

Project Team: Adams, Andrew, B. (Principal)
Status: Approved
Project Dates: August 1, 2021 - April 30, 2023

7. **Award: An acute study to evaluate function in a bioengineered kidney in a nonhuman primate**

Principal Investigator: Graham, Melanie L.
Status: Accepted
Sponsoring Organization: MIROMATRIX MEDICAL INC.
Award Dates: October 1, 2022 - April 1, 2023

Project: An acute study to evaluate function in a bioengineered kidney in a nonhuman primate

Project Team: Adams, Andrew, B. (Co-Investigator), Graham, Melanie, L. (Principal)
Status: Approved
Project Dates: October 1, 2022 - April 1, 2023

Pending:

1. **Proposal: CDI22 Targeted Theragnostic for Detection and Prevention of Heart Transplant Rejection**

Role: Principal
Status: In Process
Sponsoring Organization: EMORY UNIVERSITY
Date Submitted: April 22, 2022

2. **Proposal: Cryopreservation and nanowarming enables whole liver banking for transplantation, cell therapy and biomedical research**

Role: Co-Investigator
Status: In Process
Sponsoring Organization: NATIONAL INSTITUTES OF HEALTH (NIH)
Date Submitted: March 3, 2022

3. **Proposal: Complement Inhibition with Targeted anti-C3 Convertase in Pig-to-Primate Kidney Xenotransplantation**

Role: Principal
Status: In Process
Sponsoring Organization: Q32 BIO INC.
Date Submitted: November 19, 2020

4. **Proposal: Organ banking for transplant-kidney cryopreservation by vitrification and novel nanowarming technology**

Role: Co-Investigator
Status: Submitted
Sponsoring Organization: NATIONAL INSTITUTES OF HEALTH (NIH)
Date Submitted: June 30, 2022

5. **Proposal: Advancing Transplantation Tolerance in Nonhuman Primates**

Role: Principal
Status: Submitted
Sponsoring Organization: NATIONAL INSTITUTES OF HEALTH (NIH)
Date Submitted: May 13, 2022

6. **Proposal: Organ banking for transplant-kidney cryopreservation by vitrification and**

novel nanowarming technology

Role: Co-Investigator

Status: Submitted

Sponsoring Organization: NATIONAL INSTITUTES OF HEALTH (NIH)

Date Submitted: November 3, 2021

7. **Proposal: Personalized characterization of lymphocyte-mediated rejection in lung transplant recipients**

Role: Co-Investigator

Status: Submitted

Sponsoring Organization: NATIONAL INSTITUTES OF HEALTH (NIH)

Date Submitted: October 15, 2021

8. **Proposal: Cryopreservation and nanowarming enables whole liver banking for transplantation, cell therapy and biomedical research**

Role: Co-Investigator

Status: Submitted

Sponsoring Organization: NATIONAL INSTITUTES OF HEALTH (NIH)

Date Submitted: June 3, 2021

9. **Proposal: The Role of Type 1 Interferon in Costimulation Blockade Resistant Rejection**

Role: Principal

Status: Submitted

Sponsoring Organization: NATIONAL INSTITUTES OF HEALTH (NIH)

Date Submitted: June 7, 2021

10. **Proposal: Immunobiology of Xenotransplantation**

Role: Principal

Status: Submitted

Sponsoring Organization: NIH Nat'l Inst of Allergy & Infect Dis

Date Submitted: April 16, 2021

11. **Proposal: U01AI132904-04: Imaging Costimulation Blockade Resistant Rejection**

Role: Principal

Status: Submitted

Sponsoring Organization: NATIONAL INSTITUTES OF HEALTH (NIH)

Date Submitted: March 25, 2021

Past:

1. **Award: Transplant Tolerance in Non-Human Primates**

Project Investigators: Adams, Andrew B. (Principal)

Status: Funded

Sponsoring Organization: Federally Funded

Award Dates: August 1, 2017 - July 31, 2022

Funded Amount for Entire Grant Period or Proposed Grant Period: \$4,775,036.00

2. **Award: Imaging Costimulation Blockade Resistant Rejection**

Project Investigators: Adams, Andrew B. (Principal)

Status: Funded

Sponsoring Organization: Federally Funded

Award Dates: July 20, 2017 - May 31, 2022
Funded Amount for Entire Grant Period or Proposed Grant Period: \$2,439,275.00

3. **Award: Reducing Disparities Among Kidney Transplant Recipients**

Project Investigators: Adams, Andrew B. (Multiple PI), Patzer (Multiple PI)

Status: Funded

Sponsoring Organization: Federally Funded

Award Dates: August 15, 2017 - April 30, 2022

Funded Amount for Entire Grant Period or Proposed Grant Period: \$2,513,660.00

4. **Award: Optimizing Strategies to Overcome Kidney Xenograft Rejection**

Principal Investigator: Adams, Andrew B.

Sponsoring Organization Reference ID: 7R01AI126322-06

Status: Accepted

Sponsoring Organization: NIH Nat'l Inst of Allergy & Infect Dis

Award Dates: January 1, 2021 - June 30, 2021

Project: R015R01AI126322-05:Optimizing Strategies to Overcome Kidney Xenograft Rejection

Project Team: Adams, Andrew, B. (Principal)

Status: Approved

Project Dates: January 1, 2021 - June 30, 2021

5. **Award: Optimizing Strategies to Overcome Kidney Xenograft Rejection**

Project Investigators: Adams, Andrew B. (Principal), Tector, J (Co-Principal)

Status: Funded

Sponsoring Organization: Federal Funding

Award Dates: July 2016 - June 30, 2021

Funded Amount for Entire Grant Period or Proposed Grant Period: \$4,632,492.00

6. **Award: The Role of Notch Signaling in Transplant Rejection**

Project Investigators: Adams, Andrew B. (Principal)

Status: Funded

Sponsoring Organization: Regeneron Pharmaceuticals

Award Dates: April 26, 2019 - April 25, 2021

Funded Amount for Entire Grant Period or Proposed Grant Period: \$149,680.00

7. **Award: Effects of inhibiting early inflammation in kidney transplant patients**

Project Investigators: Adams, Andrew B. (Co-Investigator), Newell (Co-Principal)

Status: Funded

Sponsoring Organization: Mount Sinai School of Medicine

Award Dates: September 1, 2015 - February 28, 2021

Funded Amount for Entire Grant Period or Proposed Grant Period: \$78,781.00

8. **Award: International Randomized Trial to Evaluate the Effectiveness of the Portable Organ Care System (OCS) Liver for Preserving and Assessing Donor Livers for Transplantation (OCS Liver PROTECT Trial)**

Project Investigators: Adams, Andrew B. (Co-Investigator), Magliocca (Co-Principal)

Status: Funded

Sponsoring Organization: Transmedics

Award Dates: February 26, 2016 - February 27, 2021

Funded Amount for Entire Grant Period or Proposed Grant Period: \$164,578.00

9. **Award: Novel Application of Anti-C5 Complement Inhibition Therapy in Pig-to-Primate Xenotransplantation**
Project Investigators: Adams, Andrew B. (Principal)
Status: Closed
Sponsoring Organization: Novartis Pharmaceuticals
Award Dates: June 1, 2019 - April 30, 2020
Funded Amount for Entire Grant Period or Proposed Grant Period: \$465,065.00
10. **Award: Belatacept Therapy to Prevent Sensitization of the Failing Renal Allograft**
Project Investigators: Adams, Andrew B. (Principal)
Status: Closed
Sponsoring Organization: Bristol Myers Squibb
Award Dates: February 26, 2013 - February 25, 2020
Funded Amount for Entire Grant Period or Proposed Grant Period: \$477,898.20
11. **Award: Novel Combined Costimulation and CD122 Blockade in Islet Transplantation**
Project Investigators: Mathews (Principal), Adams, Andrew B. (Sponsor)
Status: Closed
Sponsoring Organization: 1F30DK9665-01
Award Dates: May 1, 2016 - April 30, 2019
Funded Amount for Entire Grant Period or Proposed Grant Period: \$144,632.00
12. **Award: Impact of Belatacept on Resource Utilization-Quality and Cost Following Kidney Transplantation**
Project Investigators: Adams, Andrew B. (Principal)
Status: Closed
Sponsoring Organization: Bristol Myers Squibb
Award Dates: August 9, 2013 - August 8, 2018
Funded Amount for Entire Grant Period or Proposed Grant Period: \$115,385.00
13. **Award: Clinical Trial Planning Grant (R34) and Implementation Cooperative Agreement (U01) Special Emphasis Panel**
Project Investigators: Adams, Andrew B.
Status: Closed
Sponsoring Organization: NIH/NIAID
Award Dates: November 2017
14. **Award: Investigator Initiated Program Project Applications (P01) Special Emphasis Panel/Scientific Review Group**
Project Investigators: Adams, Andrew B.
Status: Closed
Sponsoring Organization: NIH/NIAID
Award Dates: April 2017
15. **Award: Beta Chain-Directed Therapy on Allograft Survival**
Project Investigators: Adams, Andrew B. (Principal)
Status: Closed
Sponsoring Organization: Round 10 Opps Pool Project
Award Dates: October 1, 2014 - September 30, 2016

Funded Amount for Entire Grant Period or Proposed Grant Period: \$512,307.00

16. **Award: ASTS Scientist Scholarship (Kim)**
Project Investigators: Kim (Principal), Adams, Andrew B. (Sponsor)
Status: Closed
Sponsoring Organization: ASTS
Award Dates: July 1, 2015 - June 30, 2016
Funded Amount for Entire Grant Period or Proposed Grant Period: \$40,000.00
17. **Award: ASTS-Astellas Fellowship in Transplantation (Kitchens)**
Project Investigators: Kitchens (Principal), Adams, Andrew B. (Sponsor)
Status: Closed
Sponsoring Organization: ASTS
Award Dates: July 1, 2014 - June 30, 2016
Funded Amount for Entire Grant Period or Proposed Grant Period: \$85,000.00
18. **Award: Bristol Myers Squibb**
Project Investigators: Adams, Andrew B. (Principal)
Status: Closed
Sponsoring Organization: Evaluation of a Novel Therapeutic Reagent Targeting CD154 in a Non-Human Primate Renal Allograft Model
Award Dates: September 28, 2012 - December 31, 2015
Funded Amount for Entire Grant Period or Proposed Grant Period: \$1,464,136.00
19. **Award: Mechanisms of Acute Rejection in a Non-Human Primate Renal Allograft Model Treated with Belatacept**
Project Investigators: Adams, Andrew B. (Principal)
Status: Closed
Sponsoring Organization: Bristol Myers Squibb
Award Dates: December 1, 2011 - December 1, 2014
Funded Amount for Entire Grant Period or Proposed Grant Period: \$1,060,514.00
20. **Award: Non-Human Primate Transplantation Tolerance Cooperative Study Group (NHPCSG) Opportunities Pool Round 10 Special Study Section**
Project Investigators: Adams, Andrew B.
Status: Closed
Sponsoring Organization: National Institute of Allergy and Infectious Diseases/National Institute of Diabetes and Digestive and Kidney Diseases
Award Dates: August 5, 2014
21. **Award: ASTS Scientist Scholarship (Wakwe)**
Project Investigators: Wakwe (Principal), Adams, Andrew B. (Sponsor)
Status: Closed
Sponsoring Organization: ASTS
Award Dates: July 1, 2012 - June 30, 2014
Funded Amount for Entire Grant Period or Proposed Grant Period: \$80,000.00
22. **Award: Non-Human Primate Transplantation Tolerance Cooperative Study Group (NHPCSG) Opportunities Pool Round 9 Special Study Section**
Project Investigators: Adams, Andrew B.
Status: Closed

Sponsoring Organization: National Institute of Allergy and Infectious Diseases/National Institute of Diabetes and Digestive and Kidney Diseases
Award Dates: July 1, 2013

23. **Award: Woodruff Scholar Early Independence Award**

Project Investigators: Adams, Andrew B.

Status: Closed

Sponsoring Organization: Emory University School of Medicine

Award Dates: June 1, 2011 - May 31, 2013

Funded Amount for Entire Grant Period or Proposed Grant Period: \$50,000.00

24. **Award: T-Cell Memory Provides a Potent Barrier to Tolerance**

Project Investigators: Adams, Andrew B.

Status: Closed

Sponsoring Organization: American Society of Transplant Surgeons

Award Dates: July 1, 2010 - June 30, 2012

Funded Amount for Entire Grant Period or Proposed Grant Period: \$85,000.00

Publications

Asterisk() - indicates co-first author*

Underline - indicates student author

Peer-Reviewed Publications

1. Tector, A. J., Adams, A. B., Tector, M. (2023). Current Status of Renal Xenotransplantation and Next Steps. *Kidney360*, 4(2), 278-284. PMID: 36821619 [doi: 10.34067/KID.0007152021](https://doi.org/10.34067/KID.0007152021)
2. Badell, I. R., Bray, R. A., Elbein, R., Chami, A. S., Easley, K. A., Pastan, S. O., Guasch, A., Gebel, H. M., Adams, A. B., Larsen, C. P. (2021). Belatacept in Kidney Transplant Recipients With Failed Allografts for the Prevention of Humoral Sensitization: A Pilot Randomized Controlled Trial. *Transplantation*, 105(12), e395-e396. PMID: 34818307 [doi: 10.1097/TP.0000000000003852](https://doi.org/10.1097/TP.0000000000003852)
3. Adams, A. B., Lovasik, B. P., Faber, D. A., Burlak, C., Breeden, C., Estrada, J. L., Reyes, L. M., Vianna, R. M., Tector, M. F., Tector, A. J. (2021). Anti-C5 Antibody Tesidolumab Reduces Early Antibody-mediated Rejection and Prolongs Survival in Renal Xenotransplantation. *Annals of surgery*, 274(3), 473-480. PMID: 34238812 [doi: 10.1097/SLA.0000000000004996](https://doi.org/10.1097/SLA.0000000000004996)
4. Kirk, A. D., Adams, A. B., Durrbach, A., Ford, M. L., Hildeman, D. A., Larsen, C. P., Vincenti, F., Wojciechowski, D., Woodle, E. S. (2021). Optimization of de novo belatacept-based immunosuppression administered to renal transplant recipients. *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*, 21(5), 1691-1698. PMID: 33128812 [doi: 10.1111/ajt.16386](https://doi.org/10.1111/ajt.16386)
5. Thapa, M., Tedesco, D., Gumber, S., Elrod, E. J., Han, J. H., Kitchens, W. H., Magliocca, J. F., Adams, A. B., Grakoui, A. (2020). Blockade of BAFF Reshapes the Hepatic B Cell Receptor Repertoire and Attenuates Autoantibody Production in Cholestatic Liver Disease. *Journal of immunology (Baltimore, Md. : 1950)*, 204(12), 3117-3128. PMID: 32332110

PMCID: PMC7306885 [doi: 10.4049/jimmunol.1900391](https://doi.org/10.4049/jimmunol.1900391)

6. Schenk, A., Washburn, W., **Adams, A.**, Lynch, R. (2019). A Survey of Current Procurement Travel Practices, Accident Frequency, and Perceptions of Safety. *Transplantation Direct*, 5(10), e494. [doi: 10.1097/TXD.0000000000000942](https://doi.org/10.1097/TXD.0000000000000942)
7. Hogan, J., Arenson, M., Adhikary, S., Li, K., Zhang, X., Zhang, R., Valdez, J., Lynch, R., Sun, J., **Adams, A.**, Patzer, R. (2019). Assessing Predictors of Early and Late Hospital Readmission After Kidney Transplantation. *Transplantation Direct*, 5(8), e479. PMID: 31576375
8. Thomas, A., Dong, Y., Beskid, N., Garcia, A., **Adams, A. B.** (2019). Brief exposure to hyperglycemia activates dendritic cells in vitro and in vivo. *Journal of Cellular Physiology*. PMID: 31674663 [doi: 10.1002/jcp.29380](https://doi.org/10.1002/jcp.29380)
9. Kim, S., Mathews, D., Breeden, C., Higginbotham, L., Ladowski, J., Martens, G., Stephenson, A., Farris, A., Strobert, E., Jenkins, J., Walters, E., Larsen, C., Tector, M., Tector, A., **Adams, A.** (2019). Long-term survival of pig-to-rhesus macaque renal xenografts is dependent on CD4 T cell depletion. *American Journal of Transplantation*, 19(8), 2174-2185. [doi: 10.1111/ajt.15329](https://doi.org/10.1111/ajt.15329)
10. Mac, Q., Mathews, D., Kahla, J., Stoffers, C., Delmas, O., Holt, B., **Adams, A.**, Kwong, G. (2019). Non-invasive early detection of acute transplant rejection via nanosensors of granzyme B activity. *Nature Biomedical Engineering Journal*, 4(281-291).
11. Duininck, G., Lopez-Aguilar, A., Lee, R., Miller, L., Dariushnia, S., Wu, C., Alese, O., Lin, J., Wedd, J., **Adams, A.**, Maithel, S., Russell, M. (2019). Optimizing Cancer Care of Hepatocellular Carcinoma at a Safety-Net Hospital: The Value of a Multi-Disciplinary Management Team. *Journal of Surgical Oncology*. PMID: 31642056
12. Tedesco, D., Thapa, M., Chin, C., Ge, Y., Gong, M., Li, J., Gumber, S., Speck, P., Elrod, E., Burd, E., Kitchens, W., Magliocca, J., **Adams, A.**, Weiss, D., Mohamadzadeh, M., Grakoui, A. (2018). Alterations in Intestinal Microbiota Lead to Production of Interleukin 17 by Intrahepatic $\gamma\delta$ T-Cell Receptor-Positive Cells and Pathogenesis of Cholestatic Liver Disease. *Journal of Gastroenterology*, 154(8), 2178-2193. [doi: 10.1053/j.gastro.2018.02.019](https://doi.org/10.1053/j.gastro.2018.02.019)
13. Mathews, D., Dong, Y., Higginbotham, L., Kim, S., Breeden, C., Strobert, E., Jenkins, J., Tso, J., Larsen, C., **Adams, A.** (2018). CD122 signaling in CD8⁺ memory T cells drives costimulation-independent rejection. *Journal of Clinical Investigation*, 128(10), 4557-4572. [doi: 10.1172/JCI95914](https://doi.org/10.1172/JCI95914)
14. Lovasik, B., Zhang, R., Hockenberry, J., Schragar, J., Pastan, S., **Adams, A.**, Mohan, S., Larsen, C., Patzer, R. (2018). Emergency department use among kidney transplant recipients in the United States. *American Journal of Transplantation*, 18(4), 868-880. [doi: 10.1111/ajt.14578](https://doi.org/10.1111/ajt.14578)
15. Ethun, C., Lopez-Aguilar, A., Anderson, D., **Adams, A.**, Fields, R., Doyle, M., Chapman, W., Krasnick, B., Weber, S., Mezrich, J., Salem, A., Pawlik, T., Poultides, G., Tran, T., Idrees,

- K., Isom, C., Martin, R., Scoggins, C., Shen, P., Mogal, H., Schmidt, C., Beal, E., Hatzaras, I., Shenoy, R., Cardona, K., Maithel, S. (2018). Transplantation Versus Resection for Hilar Cholangiocarcinoma: An Argument for Shifting Treatment Paradigms for Andrew B. Adams, MD PhD October 30, 2019 Resectable Disease. *Annals of Surgery*, 267(5), 797-805. [doi: 10.1097/SLA.0000000000002574](https://doi.org/10.1097/SLA.0000000000002574)
16. Cooper, M., Li, X., **Adams, A.** (2018). What's hot, what's new: Report from the American Transplant Congress 2017. *American Journal of Transplantation*, 18(2), 308-320. [doi: 10.1111/ajt.14628](https://doi.org/10.1111/ajt.14628)
 17. **Adams, A.**, Kim, S., Martens, G., Ladowski, J., Estrada, J., Reyes, L., Breeden, C., Stephenson, A., Eckhoff, D., Tector, M., Tector, A. (2018). Xenoantigen Deletion and Chemical Immunosuppression Can Prolong Renal Xenograft Survival. *Annals of Surgery*, 268(4), 564-573. [doi: 10.1097/SLA.0000000000002977](https://doi.org/10.1097/SLA.0000000000002977)
 18. Lo, D., Friedman-Moraco, R., Hinrichs, B., **Adams, A.** (2017). Acute liver failure in a pregnant patient. *American Journal of Transplantation*, 17(12), 3254-3256. [doi: 10.1111/ajt.14512](https://doi.org/10.1111/ajt.14512)
 19. Kim, S., Wang, J., Dong, Y., Mathews, D., Albrecht, J., Breeden, C., Farris, A., Lukacher, A., Ford, M., Newell, K., **Adams, A.** (2017). Allo- but not Viral Immunity Promotes Allograft Loss in a Mouse Model of Polyomavirus-Associated Nephropathy (PVAN). *Transplantation Direct*, 3(6), e161. [doi: 10.1097/TXD.0000000000000677](https://doi.org/10.1097/TXD.0000000000000677)
 20. **Adams, A.**, Goldstein, J., Garrett, C., Zhang, R., Patzer, R., Newell, K., Turgeon, N., Chami, A., Guasch, A., Kirk, A., Pastan, S., Pearson, T., Larsen, C. (2017). Belatacept Combined with Transient Calcineurin Inhibitor Therapy Prevents Rejection and Promotes Improved Long-term Renal Allograft Function. *American Journal of Transplantation*. [doi: 10.1111/ajt.14353](https://doi.org/10.1111/ajt.14353)
 21. Mathews, D., Wakwe, W., Kim, S., Lowe, M., Breeden, C., Roberts, M., Farris, A., Strobert, E., Jenkins, J., Larsen, C., Ford, M., Townsend, R., **Adams, A.** (2017). Belatacept Resistant Rejection is Associated with CD28+ Memory CD8 T cells. *American Journal of Transplantation*. [doi: 10.1111/ajt.14349](https://doi.org/10.1111/ajt.14349)
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Abstract

1. Lovasik, B. P., **Adams, A. B. (Lead Author)** (2022). *Racial and Immunologic Disparities Impact Access to Repeat Kidney Transplantation Among Patients with Previous Failed Kidney Allograft.*

Your Role (for multi-author publications): Senior Author

Book Chapter

1. **Adams, A.**, Ford, M., Larsen, C. (2016). Transplantation Immunobiology and Immunosuppression. *Sabiston Textbook of Surgery.* Philadelphia, PA: Saunders El Sevier.

2. **Adams, A.**, Newell, K. (2012). Experimental Models of Transplantation. *AST Handbook of Transplant Immunology*. (1st ed.). Wiley Blackwell.
3. Adams, A. B., Chami, A., Newell, K. A. (2012). Procurement of Kidneys from Living Donors. *Textbook of Organ Transplantation, 1st Editionnnnnn.* Wiley Blackwell.
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Review Article

1. Newell, K., **Adams, A.**, Turka, L. (2018). *Biomarkers of operational tolerance following kidney transplantation - The immune tolerance network studies of spontaneously tolerant kidney transplant recipients*. (5th ed., vol. 79, pp. 380-387). Human Immunology. [doi: 10.1016/j.humimm.2018.02.007](https://doi.org/10.1016/j.humimm.2018.02.007)
Epub 2018 Feb 12.
2. **Adams, A.**, Ford, M., Larsen, C. (2016). *Costimulation Blockade in Autoimmunity and Transplantation: The CD28 Pathway*. (6th ed., vol. 197, pp. 2045-2050). Journal of Immunology.
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8. Kitchens, W., **Adams, A.**, Hughes, Subramanian, R. (2011). *Diagnostic Challenges in the Evaluation of Hepatic Grafts from Donors with HELLP Syndrome: Case Report and Review of the Literature*. (10th ed., vol. 43, pp. 4010-4012). Transplantation Proceedings.

9. Larsen, C., Knechtle, S., **Abrams, A.**, Pearson, T., Kirk, A. (2006). *A new look at blockade of T-cell costimulation: a therapeutic strategy for long-term maintenance immunosuppression*. (5 Pt 1 ed., vol. 6, pp. 876-883). American Journal of Transplantation.
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12. **Adams, A.**, Pearson, T., Larsen, C. (2001). *Conventional immunosuppression and costimulation blockade*. (vol. 356, pp. 703-705). Philosophical Transactions of the Royal Society of London - Series B: Biological Sciences.

Presentations

Invited Oral Presentations at International Professional Meetings, Conferences, etc.

Underline - indicates student presenter

1. **Adams, A. B.** "Immunosuppression for Clinical Xenotransplantation", 29th International Congress of The Transplantation Society (TTS 2022), The Transplantation Society, Buenos Aires, Argentina. (September 13, 2022).
2. **Adams, A. B.** ""What Results from Pig-To-Nonhuman Primate Renal Transplant Studies Will Support Progression Into Human Clinical Studies?"" , Joint IXA-CTRMS Virtual Congress, IXA-CTRMS, Virtual. (September 23, 2021).
3. Higginbotham, L., Mathews, D., Stephenson, A., Breeden, C., Larsen, C., Ford, M., Newell, K., Tector, A., **Adams, A. B.** "Long-term survival of pig-to-primate renal xenotransplant using costimulation-blockade immunosuppression.", 2015 Joint Congress of the IPITA-IXA-CTS, (International Pancreas and Islet Transplant Association, International Xenotransplantation Association, Cell Transplant Society), Melbourne, Australia. (November 2015).
4. Halazun, K., Patzer, R., Campos, B., **Adams, A. B.**, Magliocca, J., Knechtle, S. ""Ethnicity and Liver Transplantation for HCC – An Unexpected Paradox."" , World Transplant Congress, San Francisco, California. (July 2014).
Abstract #1354
5. Wakwe, W., Breeden, C., Leopardi, F., Farris, A., Song, M., Strobert, E., Jenkins, J., Price, K., Nadler, S., Larsen, C., **Adams, A. B.** ""Pre-Clinical Evaluation of a Novel Domain Antibody Targeting CD154 in a Non-Human Primate Transplant Model."" , World Transplant Congress, San Francisco, California. (July 2014).
Abstract #C3048
6. **Adams, A. B.**, Shirasugi, N., Strobert, E., Cowan, S., Rees, P., Kenyon, N., Pearson, T., Larson, C. ""Combined Blockade of the CD40 and CD28 Pathways Synergized to Promote Islet Allograft Survival in a Non-Human Primate Model."" , International Congress of the Transplantation Society, Vienna, Austria. (September 2004).
Abstract #460
7. **Adams, A. B.** ""The Impact of T cell Memory on Transplantation Tolerance"" , International

- Congress of the Transplantation Society, Vienna, Austria. (September 2004).
8. **Adams, A. B.** "“Immune Memory: A Barrier to Transplantation Tolerance”", 2004 Annual Scientific Meeting of the Canadian Society of Transplantation, Canadian Society of Transplantation, Mont Tremblant, Quebec, Canada. (February 2004).
 9. **Adams, A. B.**, Shirasugi, N., Strobert, E., Cowan, S., Rees, P., Kenyon, N., Pearson, T., Larson, C. "“Combined Blockade of the CD40 and CD28 Pathways Synergized to Promote Islet Allograft Survival in a Non-Human Primate Model.”", International Pancreas and Islet Transplantation Association, 9th International Congress, Dublin, Ireland. (July 2003).
 10. **Adams, A. B.**, Shirasugi, N., Durham, M., Ha, J., Williams, M., Naik, N., Cheung, M., Pearson, T., Larsen, C. "“Conventional Immunosuppression is Compatible with Costimulation Blockade Based Mixed Chimerism Regimen.”", XIX International Congress of the Transplantation Society, Miami, Florida, United States. (August 2002).
 11. **Adams, A. B.**, Shirasugi, N., Durham, M., Cowan, S., Naik, N., Cheung, M., Blinder, Y., Strobert, E., Hendrix, R., Rees, P., Pearson, T., Larsen, C. "“Non-Myelosuppressive Bone Marrow Transplantation Induces High-Level Mixed Chimerism and Donor-Specific Hyporesponsiveness in Non-Human Primates.”", XIX International Congress of the Transplantation Society, Miami, Florida, United States. (August 2002).
Abstract #25
 12. **Adams, A. B.**, Shirasugi, N., Durham, M., Rees, P., Blinder, Y., Strobert, E., Kenyon, N., Pearson, T., Larsen, C. "LEA29Y Based Edmonton Protocol Protects Allogeneic Islets Andrew B. Adams, MD PhD October 30, 2019 in a Non-Human Primate Model.”", International Pancreas and Islet Transplantation Association, 8th International Congress, Innsbruck, Austria. (June 2001).

Invited Oral Presentations at National Professional Meetings, Conferences, etc.

Underline - indicates student presenter

1. **Adams, A. B.** "Advances in Organ Preservation –Getting Warmer? -Liver", AST Fellows Symposium on Transplantation 2022, American Society of Transplantation, Grapevine, Texas. (September 2023). Didactic Seminar.
2. **Adams, A. B.** "Being a Clinician-Scientist: Rewards and Challenges", AST Fellows Symposium on Transplantation 2022, American Society of Transplantation, Grapevine, Texas. (September 2023). Didactic Seminar.
3. **Adams, A. B.** "Organ Specific Breakouts: Donor Selection and Early Post-Transplant Management Challenges - Liver", AST Fellows Symposium on Transplantation 2022, American Society of Transplantation, Grapevine, Texas. (September 2023). Didactic Seminar.
4. **Adams, A. B.** "The Future is Now: Xenotransplant – From Basic Science to Clinical Trials", AST Fellows Symposium on Transplantation 2022, American Society of Transplantation, Grapevine, Texas. (September 2023). Didactic Seminar.
5. **Adams, A. B.** "“The CD40/CD40L Pathway and Xenotransplantation”", Horizon Therapeutics. (June 17, 2022).
6. **Adams, A. B.** "Xenotransplantation: Science Driving Clinical Translation", The John S. Najarian Symposium: The Past, Present and Future of Surgery & Transplantation, University of Minnesota, Minneapolis, Minnesota. (May 20, 2022).
7. **Adams, A. B.** "Xenotransplantation: Have we Finally Rounded the Corner?", 2022 Kidney Patient Social Summit, National Kidney Foundation. (March 13, 2022).

8. **Adams, A. B.** "Biological Barriers to Xenotransplantation; Ethical Considerations/Patient Expectations in Xenotransplantation", AST's Future of Transplantation 2021 Meeting: "Bridging the Gaps in Kidney Transplantation", American Society of Transplantation, Boston, Massachusetts, United States. (November 12, 2021).
9. **Adams, A. B.** "'Novel Therapeutics and New Strategies for Organ Transplantation'", Transplantation Conference, Mass General Brigham, Boston, Massachusetts, United States. (November 5, 2021).
10. **Adams, A. B.** "'Xenotransplantation: Have we finally rounded the corner?'" , Surgical Grand Rounds, Mass General Brigham, Boston, Massachusetts, United States. (November 4, 2021).
11. **Adams, A. B.**, Mannon, R. B., Levine, D. "Deceased Donor Management and Organ Preservation: Who does it best?", AST Fellows Symposium on Transplantation 2021, American Society of Transplantation, Virtual. (October 2021).
12. **Adams, A. B., (Author & Presenter)** "Next Gen Costimulation Blockade (anti-CD40/anti-CD40L/anti-CD28)", Cutting Edge of Transplantation 2021, American Society of Transplantation, Virtual. (February 25, 2021). Lecture.
13. **Adams, A. B.** "'Costimulation for Clinicians" Basic Science for the Clinician", American Transplant Congress, Boston, Massachusetts. (June 2019).
14. Lovasik, B., Matar, A., Breeden, C., Jenkins, J., Tector, J., Kim, S., **Adams, A. B.** "'AntiCD154 / CD40 Costimulation Blockade Is Superior To Tacrolimus In Prolonging Survival In Pig-to-Nonhuman Primate Renal Xenotransplantation.'" , American Transplant Congress, Boston, Massachusetts. (June 2019).
15. Matar, A., Dong, Y., Lovasik, B., Mathews, D., Breeden, C., Ghosh, A., Stephenson, A., Kitchens, W., **Adams, A. B.** "'Interruption of Notch Signaling via Blockade of Delta-Like Ligands 1 and 4 Prevents Co-Stimulation Blockade Resistant Allograft Rejection.'" , American Transplant Congress, Boston, Massachusetts. (June 2019).
16. **Adams, A. B.** "'Progress in Xeno Kidney Primate Work" Xenotransplantation- Are We There Yet?" , American Transplant Congress, Boston, Massachusetts. (June 2019).
17. **Adams, A. B.** "'Xenotransplantation: Is it the future?'" , One Lambda's 33rd Annual Advanced HLA Technical Workshop, Rancho Mirage, California. (March 2019).
18. **Adams, A. B.** "'Xenotransplantation: Ready for Prime Time?'" , American Society of Nephrology Annual Meeting, San Diego, California. (October 26, 2018).
19. Mathews, D., Ghosh, A., Dong, Y., Prolireddy, K., Stephenson, A., Breeden, C., Liu, Y., **Adams, A. B.** "Recipient IFNAR1 Signaling Supports Costimulation Independent Rejection by Promoting T Cell Activation", American Transplant Congress, Seattle, Washington. (June 2018).
20. **Adams, A. B.** "'Immunosuppression Current Approaches and Future Strategies'" , The Immunology of Kidney Transplantation, American Transplant Congress, Seattle, Washington. (June 2018).
21. Kim, S., Higginbotham, L., Mathews, D., Breeden, C., Stephenson, A., Larsen, C., Ford, M., Tector, J., **Adams, A. B.** "'CD28 Directed Immunotherapy Is More Potent Than Belatacept in a Nonhuman Primate Xenotransplant Model'" , American Transplant Congress, Chicago, Illinois. (May 2017).
22. Kim, S., Higginbotham, L., Mathews, D., Breeden, C., Stephenson, A., Larsen, C., Ford, M.,

- Tector, J., **Adams, A. B.** "“CD4 Depletion Is Necessary and Sufficient for Long-Term Nonhuman Primate Xenotransplant Survival”", American Transplant Congress, Chicago, Illinois. (May 2017).
23. Mathews, D., Dong, Y., Kim, S., Breeden, C., **Adams, A. B.** "“Costimulation Independent Acute Rejection Requires CD127 Signaling”", American Transplant Congress, Chicago, Illinois. (May 2017).
 24. Lovasik, B., Zhang, R., Schrage, J., Pastan, S., **Adams, A. B.**, Patzer, R. "“Emergency Department Utilization Among Kidney Transplant Recipients in the United States”", American Transplant Congress, Chicago, Illinois. (May 2017).
 25. Kim, S., Mathews, D., Higginbotham, L., Breeden, C., Larsen, C., **Adams, A. B.** "“Mesenchymal Stem Cells Suppress T Cell Proliferation and Improve Allograft Survival in a Nonhuman Primate Transplant Model”", American Transplant Congress, Chicago, Illinois. (May 2017).
 26. Mathews, D., Lindsay, K., Santangelo, P., Dong, Y., Tso, J., **Adams, A. B.** "“Non-Invasive Detection of Rejection with ImmunoPET Imaging”", American Transplant Congress, Chicago. (May 2017).
 27. **Adams, A. B.** "“What's Hot, What's New: Translational. Overview of the Top Presented Abstracts”", American Transplant Congress, Chicago, Illinois. (May 2017).
 28. **Adams, A. B.** "“Impact of Immunologic Memory”", Basic Immunology and Transplant Immunology for the Clinician, American Transplant Congress, Chicago, Illinois. (May 2017).
 29. **Adams, A. B.** "“Translational- T cell Memory”", Bench to Bedside- T cell Memory Mid-day Symposium, American Transplant Congress, Chicago, Illinois. (May 2017).
 30. **Adams, A. B.** "“Immunosuppression: Current Approaches and Future Strategies”", State of the Art in Kidney Transplantation- An Update for the Busy Clinician, American Transplant Congress, Chicago, Illinois. (May 2017).
 31. **Adams, A. B.** "Breakout Sessions I-III: American Society of Transplantation Fellows Symposium", American Society of Transplantation Fellows Symposium, Grapevine, Texas. (September 2016).
 32. **Adams, A. B.** "“Grant Writing Workshop”", American Society of Transplantation Fellows Symposium, Grapevine, Texas. (September 2016).
 33. **Adams, A. B.** "“The Evolution of Costimulation Blockade in Transplantation”", American Society of Transplantation Fellows Symposium, Grapevine, Texas. (September 2016).
 34. Mathews, D., Wakwe, W., Lowe, M., Breeden, C., Leopardi, F., Farris, A., Song, M., Strobert, E., Jenkins, J., Larsen, C., Townsend, R., **Adams, A. B.** "Acute Rejection in Non-Human Primates Treated with Belatacept is Mediated by a Unique CD8 Memory Subset", American Transplant Congress, Boston, Massachusetts. (June 2016).
 35. Mathews, D., Dong, Y., Higginbotham, L., Kim, S., Breeden, C., Tso, J., **Adams, A. B.** "“Combined CD122 and Costimulation Blockade Prolongs Allograft Survival by Controlling Expansion and Effector Function of Memory CD T Cells.”", American Transplant Congress, Boston, Massachusetts. (June 2016).
 36. **Adams, A. B.** "Career Panel, Trainee and Young Faculty Community of Practice", American Transplant Congress, Boston, Massachusetts. (June 13, 2016). Podium.
 37. **Adams, A. B.** "“Use of CNI as Prolonged Induction Therapy to Facilitate a Belatacept-based

- Maintenance Regimen.””, American Transplant Congress, Boston, Massachusetts. (June 13, 2016).
38. **Adams, A. B.** ““Impact of Immunological Memory on Graft Outcome.””, American Transplant Congress, Boston, Massachusetts. (June 11, 2016).
 39. **Adams, A. B.** ““Importance of Antibody Mediated Rejection in Liver Transplantation””, American Society of Transplantation Fellows Symposium, Grapevine, Texas. (September 2015).
 40. **Adams, A. B.** ““What are the Barriers/Challenges in Costimulatory Blockade Strategies (Bench and long term results-clinical)””, American Society of Transplantation Fellows Symposium, Grapevine, Texas. (September 2015).
 41. Higginbotham, L., Mathews, D., Breeden, C., Wakwe, W., Larsen, C., Nadler, S., **Adams, A. B.** ““CD28-directed therapy prolongs survival in a non-human primate kidney transplant model.””, American Transplant Congress, Philadelphia, Pennsylvania. (May 2015).
 42. Kitchens, W., Farris, A., Pastan, S., Pearson, T., Larsen, C., **Adams, A. B.** ““Focal Segmental Glomerulosclerosis Recurrence in Renal Transplant Recipients Treated With Belatacept.””, American Transplant Congress, Philadelphia, Pennsylvania. (May 2015).
Abstract #213
 43. **Adams, A. B.** ““Impact of Immunological Memory on Graft Outcome.””, American Transplant Congress, Philadelphia, Pennsylvania. (May 2, 2015).
 44. **Adams, A. B.** ““The Impact of the OX40 Pathway on Costimulation Blockade Resistant Rejection in Mice and Non-Human Primates””, XIV Great Lakes Transplant Immunology Forum, Atlanta, Georgia. (October 2013).
 45. **Adams, A. B.** ““T Cell Memory and Exhaustion””, Concurrent Symposium at Federation of Clinical Immunology Societies, Boston, Massachusetts. (June 2013).
 46. **Adams, A. B.** ““Memory and Consequences in Graft Outcome.””, American Transplant Conference, Seattle, Washington. (May 2013).
 47. Kitchens, W., Wakwe, W., Breeden, C., Yagita, H., Kirk, A., Larsen, C., Fuentes, M., Ford, M., **Adams, A. B.** ““Combined Costimulatory and OX40L Blockade Significantly Prolongs Transplant Survival in Mice and Non-Human Primates.””, American Transplant Congress, Seattle, Washington. (May 2013).
Abstract #64
 48. Kwun, J., Page, E., Gibby, A., Hong, J., Farris, A., **Adams, A. B.**, Iwakoshi, N., Larsen, C., Kirk, A., Knechtle, S. ““Follicular Helper T Cell Modulation by Costimulation Blockade Prevents Antibody-Mediated Rejection in Nonhuman Primate Renal Transplantation.””, American Transplant Congress, Seattle, Washington. (May 2013).
Abstract #474
 49. **Adams, A. B.** ““Anti-IL-12/23 Synergizes with Costimulatory Blockade to Prolong Transplant Survival in Mice and Non-Human Primates””, XIII Great Lakes Immunology Forum, Madison, Wisconsin. (October 2012).
 50. Kitchens, W., Ford, M., Kirk, A., Larsen, C., **Adams, A. B.** ““Anti-IL-12/23 Synergizes with Costimulatory Blockade to Suppress Il-17 and Prolong Transplant Survival in Mice and Non-Human Primates.””, American Transplant Congress, Boston, Massachusetts. (June 2012).
Abstract #451
 51. **Adams, A. B.** ““Heterologous Immunity and Allograft Rejection””, XI American Transplant

- Conference, Philadelphia, Pennsylvania. (May 2011).
52. **Adams, A. B.**, Conrad, M., Guest, J., Paruchuri, V., Brewster, D., LaMuraglia, G., Cambria, R. "Secondary Intervention After Endovascular Abdominal Aortic Aneurym Repair.", 129th Annual Meeting of the American Surgical Association, Indian Wells, California. (April 2009).
 53. **Adams, A. B.** "'Costimulation Blockade: Progress Towards Clinical Application in Transplantation'", 9th International Congress of Therapeutic Drug Monitoring and Clinical Toxicology, Louisville, Kentucky. (April 2006).
 54. **Adams, A. B.**, Shirasugi, N., Jones, T., Strobert, E., Durham, M., Holenbaugh, D., Haggerty, D., Townsend, R., Pearson, T., Larsen, C. "'Blockade of the CD40-CD154 Pathway Using a Chimeric Anti-Human CD40 Monoclonal Antibody Synergized with CD28 Blockade to Prolong Islet Allograft Survival.'", American Transplant Congress, Boston, Massachusetts. (May 2004).
Abstract #486
 55. **Adams, A. B.**, Jones, T., Heiss, E., Shirasugi, N., Rees, P., Yagita, H., Pearson, T., Larsen, C. "'The CD134/CD134L Pathway is Critical in CD8-mediated Costimulation Blockade Resistant Rejection.'", American Transplant Congress, Boston, Massachusetts. (May 2004).
Abstract #1031
 56. **Adams, A. B.** "'Heterologous Immunity: A Barrier to Transplantation Tolerance.'", 2003 Basic Science Symposium, The Transplantation Society, Keystone, Colorado. (September 2003).
 57. **Adams, A. B.**, Shirasugi, N., Strobert, E., Cowan, S., Rees, P., Kenyon, N., Pearson, T., Larson, C. "'Combined Blockade of the CD40 and CD28 Pathways Synergized to Promote Islet Allograft Survival in a Non-Human Primate Model.'", American Transplant Congress Annual Meeting, Washington D.C. (June 2003).
 58. **Adams, A. B.**, Williams, M., Jones, T., Shirasugi, N., Kokko, K., Ahmed, R., Pearson, T., Larsen, C. "'Heterologous Immunity: A Barrier to Transplantation Tolerance.'", American Transplant Congress Annual Meeting, Washington D.C. (June 2003).
 59. **Adams, A. B.**, Shirasugi, N., Durham, M., Ha, J., Williams, M., Naik, N., Cheung, M., Pearson, T., Larsen, C. "'Conventional Immunosuppression is Compatible with Costimulation Blockade Based Mixed Chimerism Regimen.'", American Transplant Congress Annual Meeting, Washington D.C. (May 2002).
Abstract # 285
 60. **Adams, A. B.**, Durham, M., Kean, L., Ha, J., Williams, M., Rees, P., Mittelstaedt, S., Bingaman, A., Archer, D., Pearson, T., Larsen, C. "'Non-Myelosuppressive Bone Marrow Transplantation Induces Tolerance and Corrects Hemoglobinopathies.'", American Society of Transplantation Annual Meeting, Chicago, Illinois. (May 2001).
Abstract #975
 61. **Adams, A. B.**, Duarte, I., Gitlin, N., Boyer, T., Gilmore, T., Hunter, J., Galloway, J., Branum, G. "'Cholecystomy in Cirrhotic Patients: Mortality is Decreasing and There is a Role for the Laparoscopic Approach.'", 2001 Americas Congress, American Hepato-Biliary Association, Miami Beach, Florida. (February 2001).
 62. **Adams, A. B.**, Duarte, I., Gitlin, N., Boyer, T., Gilmore, T., Hunter, J., Galloway, J., Branum, G. "'Cholecystomy in Cirrhotic Patients: Mortality is Decreasing and There is a Role for the Laparoscopic Approach.'", Abstract #20, Southeastern Surgical Congress, Annual Scientific Meeting, Orlando, Florida. (February 2000).

63. **Adams, A. B.**, Duarte, I., Gitlin, N., Boyer, T., Gilmore, T., Hunter, J., Galloway, J., Branum, G. "Cholecystomy in Cirrhotic Patients: Mortality is Decreasing and There is a Role for the Laparoscopic Approach.", American Association for the Study of Liver Diseases, 50th Annual Meeting, Dallas, Texas. (November 1999).

Invited Oral Presentations at Local and Regional Professional Meetings, Conferences, etc.

Underline - indicates student presenter

1. **Adams, A. B.** "Pig Organ Xenotransplantation: Remaining Laboratory Barriers and Clinical Hurdles", Brigham & Women's Hospital Seminar Series, Mass General Brigham. (October 11, 2022).
2. **Adams, A. B.** "Xenotransplantation: Have We Finally Rounded the Corner?", UBC Nephrology Province Wide Rounds, University of British Columbia, Virtual. (February 11, 2022).
3. **Adams, A. B., (Speaker)**, Hering, B. J., (Speaker), McGregor, C., (Speaker) "Solving the Organ Shortage Crisis", University of Minnesota Foundation, University of Minnesota Foundation, Minneapolis, Minnesota, United States. (May 12, 2021).
4. **Adams, A. B., (Author & Presenter)** "Transplantation: Where we have been and where we are going", Department of Surgery Weekly Forum, University of Minnesota, Minneapolis, Minnesota. (February 3, 2021).
5. **Adams, A. B., (Author & Presenter)** "Xenotransplantation and Novel Immunomodulation Strategies to Alleviate the Donor Organ Shortage", Department of Surgery Grand Rounds, University of Minnesota, Minneapolis, Minnesota, United States. (November 24, 2020).

Peer-Reviewed Oral Presentations at National Professional Meetings, Conferences, etc

Underline - indicates student presenter

1. Faber, D. A., Lovasik, B., Matar, A., Breeden, C., Kim, S., **Adams, A. B.** "Combined CD11b/CD40 Blockade is Superior to CD40 Blockade Alone in Prolonging Survival in Pig-to-Nonhuman Primate Renal Xenotransplantation", American Transplant Congress 2021, ASTS, Virtul. (June 2021).
2. Faber, D. A., Lovasik, B., Matar, A., Breeden, C., Farris, A. B., Tector, M., Tector, A., **Adams, A. B.** "Complement Blockade Improves Renal Xenograft Survival in Primates in the Absence of Transgenic Complement Regulatory Proteins", American Transplant Congress 2021, ASTS, Virtul. (June 2021).
3. Olaso, D., Manook, M., Yoon, J., Bae, Y., Barbas, A., **Adams, A. B.**, S, K., J, K. "Impact of Allosensitization on Xenotransplantation", American Transplant Congress 2021, ASTS, Virtul. (June 2021).
4. Matar, A. J., Lovasik, B. P., Dong, Y., Faber, D. A., Habib, J., Breeden, C., J, R., A, G., A, S., WH, K., **Adams, A. B.** "Interruption of Notch Signaling via Blockade of Delta-Like Ligand 4 Prevents Co-Stimulation Blockade Resistant Allograft Rejection", American Transplant Congress 2021, ASTS, Virtul. (June 2021).
5. Lim Chow Tom, N., Leventhal, T. M., Thomson, M., Hassan, M. A. H., Thompson, J. A. K., Chinnakotla, S., Kirchner, V., Pruett, T. L., Kandaswamy, R., Humphreville, V., **Adams, A. B.**, Lake, J. R. "Systematic Implementation of Alcohol Screening Program Using Urine Ethyl Glucuronide Can Identify Post-transplant Alcohol Use and Aid Return to Sobriety in Liver Transplant Recipients", American Transplant Congress 2021, ASTS, Virtul. (June 2021).

Poster Abstract Presentations at Professional Meetings, Conferences, etc.

Underline - indicates student presenter

1. Lim Chow Tom, N., Leventhal, T. M., Thomson, M., Hassan, M. A. H., Thompson, J. A. K., Chinnakotla, S., Kirchner, V., Pruett, T. L., Kandaswamy, R., Humphreville, V., **Adams, A. B.**, Lake, J. R. "Implementation of an Alcohol Screening Program Identifies Active Pre-transplant Drinking and Allows Engagement in Chemical Dependency Treatment", American Transplant Congress 2021, ASTS, Virtul. (June 2021).
2. Lim Chow Tom, N., Leventhal, T. M., Thomson, M., Hassan, M. A. H., Thompson, J. A. K., Chinnakotla, S., Kirchner, V., Pruett, T. L., Kandaswamy, R., Humphreville, V., **Adams, A. B.**, Lake, J. R. "Serum Phosphatidylethanol is Superior to Urine Ethyl Glucuronide for Detection of Alcohol Use in Pre-transplant Patients", American Transplant Congress 2021, ASTS, Virtul. (June 2021).
3. Matar, A., Dong, Y., Lovasik, B., Mathews, D., Breeden, C., Ghosh, A., Stephenson, A., Kitchens, W., **Adams, A. B.** "Interruption of Notch Signaling via Blockade of Delta-Like Ligands 1 and 4 Prevents Co-Stimulation Blockade Resistant Allograft Rejection", Southeastern Immunology Forum, Atlanta, Georgia. (June 2019).
4. Lovasik, B., Matar, A., Breeden, C., Jenkins, J., Tector, J., Kim, S., **Adams, A. B.** "Anti-CD154 / CD40 Costimulation Blockade Is Superior To Tacrolimus In Prolonging Survival In Pigto-Nonhuman Primate Renal Xenotransplantation", Great Lakes Transplant Immunology Forum, Atlanta, Georgia. (December 2018).
5. Matar, A., Dong, Y., Lovasik, B., Mathews, D., Breeden, C., Ghosh, A., Stephenson, A., Kitchens, W., **Adams, A. B.** "Interruption of Notch Signaling via Blockade of Delta-Like Ligands 1 and 4 Prevents Co-Stimulation Blockade Resistant Allograft Rejection", Great Lakes Transplant Immunology Forum, Atlanta, Georgia. (December 2018).
6. Mac, Q., Mathews, D., Kahla, J., Stoffers, C., Delmas, O., Holt, B., **Adams, A. B.**, Kwong, G. "Activity Nanosensors for Early and Noninvasive Detection of Acute Organ Transplant Rejection", American Transplant Congress, Seattle, Washington. (June 2018).
7. Lynch, R., Zhang, R., **Adams, A. B.**, Patzer, R. "Hospitalization, Dialysis Center Type, and Disparities in ESRD Survival and Waitlist Access", American Transplant Congress, Seattle, Washington. (June 2018).
8. Liu, Y., Dong, Y., Mathews, D., Ghosh, A., **Adams, A. B.** "Inhibition of IL-1R1 Signaling Delays Costimulation Blockade-Resistant Allograft Rejection by Preventing CD8 TEM Expansion", American Transplant Congress, Seattle, Washington. (June 2018).
9. Hogan, J., Anderson, M., Zhang, Y., Kim, J., Karadkhele, G., Zhang, X., **Adams, A. B.**, Patzer, R. "Patient Change in Residence and Risk of Readmission after Renal Transplant in the US", American Transplant Congress, Seattle, Washington. (June 2018).
10. Zhang, X., Arenson, M., Kim, J., Karadkhele, G., Hogan, J., Zhang, Y., **Adams, A. B.**, Patzer, R. "Prediction of 90 Days Readmission after Kidney Transplantation Including Natural Language Processing", American Transplant Congress, Seattle, Washington. (June 2018).
11. Schenk, A., **Adams, A. B.**, Lynch, R. "Procurement Travel Safety: Current Practices, Accident Frequency, Perceptions of Safety and Means to Reduce Risk", American Transplant Congress, Seattle, Washington. (June 2018).
12. Mac, Q., Mathews, D., Kahla, J., Stoffers, C., Delmas, O., Holt, B., **Adams, A. B.**, Kwong, G. "Sensing T Cell Killing Activity with Granzyme B Activity Probes", American Transplant

- Congress, Seattle, Washington. (June 2018).
13. Patzer, R., Little, K., Kirsch, J., Weaver, J., **Adams, A. B.** "Development of an Integrated Transplant Data Mart for Customized Data Reporting.", American Transplant Congress, Boston, Massachusetts. (June 2016).
Abstract #C76
 14. Newman, K., **Adams, A. B.**, Pastan, S., Lynch, R., Zhang, R., Patzer, R. "Hospitalization and Living Donor Kidney Transplantation Among Waitlisted End Stage Renal Disease Patients in the US.", American Transplant Congress, Boston, Massachusetts. (June 2016).
Abstract# A138
 15. **Adams, A. B.**, Garrett, C., Goldstein, J., Zhang, R., Guasch, A., Pastan, S., Patzer, R., Kirk, A., Pearson, T., Larsen, C. "Post-Trial Experience with Belatacept: A Large Single Center Experience.", American Transplant Congress, Boston, Massachusetts. (June 2016).
Abstract# D132
 16. Newman, K., **Adams, A. B.**, Pastan, S., Lynch, R., Zhang, R., Patzer, R. "Risk Factors for Hospitalization Among Waitlisted End Stage Renal Disease Patients.", American Transplant Congress, Boston, Massachusetts. (June 2016).
Abstract# B198
 17. Mathews, D., Higginbotham, L., Dong, Y., Breeden, C., Larsen, C., Tso, J., **Adams, A. B.** "AntiCD122 + Costimulation Blockade Prolongs Allograft Survival.", American Transplant Congress, Philadelphia, Pennsylvania. (May 2015).
Abstract #546
 18. Garrett, C., Patzer, R., Zhang, R., **Adams, A. B.** "Racial Disparities in Access to Kidney ReTransplantation in the United States.", American Transplant Congress, Philadelphia, Pennsylvania. (May 2015).
 19. Newman, K., Fedewa, S., Jacobson, M., **Adams, A. B.**, Zhang, R., Patzer, R. "Racial/Ethnic Differences in the Association Between Hospitalization and Kidney Transplantation Among Waitlisted End Stage Renal Disease (ESRD) Patients: A Multi-Level Mixed Modeling Approach.", American Transplant Congress, Philadelphia, Pennsylvania. (May 2015).
Abstract #588
 20. Higginbotham, L., Mathews, D., Breeden, C., Larsen, C., Nadler, S., **Adams, A. B.** "CD28-directed therapy in non-human primate kidney transplant.", University of AlabamaBirmingham & Emory Transplant Center Third Annual Joint Transplant Symposium, Birmingham, Alabama. (April 2015).
 21. Brummett, L., **Adams, A. B.**, Halazun, K., Knechtle, S. "Correlation Between Cost and Distance Traveled for Procured Livers: Cost Implications for Broader Sharing of Organs.", World Transplant Congress, San Fransisco, California. (July 2014).
Abstract #A463
 22. Knechtle, S., **Adams, A. B.**, Perez, S., Brummett, L., Halazun, K., Patzer, R. "Demographic Variations of Income, Race and Healthcare Access and their Relationship to Donor Organ Allocation: Potential Impact of Redistricting.", World Transplant Congress, San Fransisco, California. (July 2014).
Abstract #D2744
 23. Burghuber, C., Kwun, J., Kim, E., Leopardi, F., Gibby, A., Strobert, E., Iwakoshi, N., Wakwe, W., **Adams, A. B.**, Knechtle, S. "First Experience with Kidney Transplantation in a Model of Sensitized Rhesus Macaques.", World Transplant Congress, San Fransisco, California. (July 2014).

Abstract #D2334

24. Whalen, K., Koval, R., **Adams, A. B.**, Lynch, R., Patzer, R. "“Is 30-Day Readmission Following Kidney Transplantation a Predictor of Poor Outcomes?”", World Transplant Congress, San Francisco, California. (July 2014).
Abstract #641
25. Knechtle, S., **Adams, A. B.**, Perez, S., Knechtle, W., Brummett, L. "“Obesity Does Not Impact Cost or Outcomes of Liver Transplantation.”", World Transplant Congress, San Francisco, California. (July 2014).
Abstract #A458
26. Koval, R., Whalen, K., **Adams, A. B.**, Lynch, R., Patzer, R. "“Racial Disparities in 30-Day Readmission Following Kidney Transplantation.”", World Transplant Congress, San Francisco, California. (July 2014).
Abstract #B1207
27. Lynch, R., Byrd, J., Patzer, R., Larsen, C., **Adams, A. B.** "“Redefining Readmission in Renal Transplantation-Variation in Resource Utilization and Outcome”", American Society of Transplant Surgeons Winter Symposium, Miami, Florida. (January 2014).
28. Lynch, R., Byrd, J., Patzer, R., Larsen, C., **Adams, A. B.** "“Patterns of Hospital Admissions Before and After Renal Transplantation-Lessons for New Quality Paradigms”", American Society of Transplant Surgeons Winter Symposium, Miami, Florida. (January 2014).
29. **Adams, A. B.**, Garrett, C., Ashtar, C., Harler, M., Pastan, S., Kirk, A., Pearson, T., Larsen, C. "“Belatacept Post-Approval Implementation: A Large Single Center Experience.”", American Transplant Congress, Seattle, Washington. (May 2013).
Abstract # D1743

Media Contributions

1. Where Discovery Creates Hope, "The Transplant Patient Who Got Two Second Chances", <https://wherediscoverycreateshope.umn.edu/transplant/>. (August 2022)
2. Associated Press, "Pig-to-human transplants come a step closer with new test", <https://apnews.com/article/animal-human-organ-transplants-d85675ea17379e93201fc16b18577c35>. (October 20, 2021)
3. National Public Radio, "In a major scientific advance, a pig kidney is successfully transplanted into a human", <https://www.npr.org/2021/10/20/1047560631/in-a-major-scientific-advance-a-pig-kidney-is-successfully-transplanted-into-a-h>. (October 20, 2021)

TEACHING AND CURRICULUM DEVELOPMENT

Course/Lecture List

Emory School of Medicine Division of Infectious Diseases Research Seminar

Guest Lecture, “T Cell Costimulatory Blockade in Tissue Transplantation”, Emory School of Medicine Division of Infectious Diseases Research Seminar
Atlanta, GA

May 24, 2001

Massachusetts General Hospital, Division of Transplantation Immunology Seminar

Guest Lecture, “Heterologous Immunity: A Barrier to Transplantation Tolerance”, Massachusetts General Hospital, Division of Transplantation Immunology Seminar
Boston, Massachusetts
May 15, 2016

New York Presbyterian Hospital, Columbia University Medical Center, Transplant Grand Rounds

Guest Lecture, “Next Generation Costimulation Blockade and Xenotransplantation.”, New York Presbyterian Hospital, Columbia University Medical Center, Transplant Grand Rounds
New York, NY
February 7, 2019

Seoul National University Hospital Transplant Center, New Strategies in Transplantation Seminar

Guest Lecture, “Costimulatory Pathways in Kidney Transplantation”, Seoul National University Hospital Transplant Center, New Strategies in Transplantation Seminar
Seoul, South Korea
October 19, 2018

University of Alabama at Birmingham (UAB) School of Medicine, Comprehensive Transplant Institute

Guest Lecture, “Next Generation Costimulation Blockade and Xenotransplantation”, University of Alabama at Birmingham (UAB) School of Medicine, Comprehensive Transplant Institute
Birmingham, AL
December 11, 2015

4th Annual Winship Gastrointestinal Cancers Symposium

Guest Lecture, “Transplantation for HCC and Hilar Cholangiocarcinoma: The Emory Experience”, 4th Annual Winship Gastrointestinal Cancers Symposium
Atlanta, GA
November 2, 2013

Emory School of Medicine Department of Medicine GI Grand Rounds

Guest Lecture, “Liver Transplantation: Fundamentals and Emerging Indications.”, Emory School of Medicine Department of Medicine GI Grand Rounds
Atlanta, GA
March 9, 2015

Harvard School of Medicine Continuing Medical Education

Guest Lecture, Emergencies and Procedures in Pediatrics, Course Instructor, Harvard School of Medicine Continuing Medical Education
December 2009

Houston Methodist Hospital, Department of Surgery Ground Rounds

Guest Lecture, “The Evolution of Immunosuppression and Xenotransplantation.”, Houston Methodist Hospital, Department of Surgery Ground Rounds
November 14, 2018

Houston, TX

Massachusetts General Hospital Surgical Society

Guest Lecture, “The Evolution of Costimulation Blockade in Transplantation.”, Massachusetts General Hospital Surgical Society
Boston, Massachusetts
September 5, 2014 - September 7, 2014

Massachusetts General Hospital, Transplant Grand Rounds

Guest Lecture, “Next Generation Costimulation Blockade and Xenotransplantation”, Massachusetts General Hospital, Transplant Grand Rounds
Boston, MA
March 8, 2018

Optum Health Education, Spotlight on Transplantation at Emory University Hospital

Guest Lecture, “Transplant for Liver Cancer, A Multidisciplinary Approach- Past, Present and Future.”, Optum Health Education, Spotlight on Transplantation at Emory University Hospital
Atlanta, GA
May 15, 2014

Penn State Hershey College of Medicine

Penn State Transplant Grand Rounds Series, “The Development of Co-Stimulation Blockade in Renal Transplantation”, Penn State Hershey College of Medicine
Hershey, Pennsylvania
November 12, 2013

South Carolina Investigators in Transplantation Lectureship

Guest Lecture, “The Development of Costimulation Blockade in Renal Transplantation”, South Carolina Investigators in Transplantation Lectureship
Charleston, South Carolina
May 12, 2014

Transplantation Unit, Emory University Hospital

Nursing Orientation, “Transplant Immunology”, Transplantation Unit, Emory University Hospital
Atlanta, Georgia
August 25, 2016

University of Minnesota, Department of Surgery, Transplant Conference

Guest Lecture, “The Evolution of Costimulation Blockade and Xenotransplantation.”, University of Minnesota, Department of Surgery, Transplant Conference
Minneapolis, MN
November 20, 2019

University of Pittsburgh School of Medicine, Thomas E. Starzl Transplantation Institute Transplantation Biology Seminar Series

Guest Lecture, “Optimization of Costimulation Blockade-based
December 9, 2015

Immunosuppression”, University of Pittsburgh School of Medicine,
Thomas E. Starzl Transplantation Institute Transplantation Biology
Seminar Series
Pittsburgh, PA

University of Wisconsin School of Medicine, Transplant Grand Rounds

Guest Lecture, “Next Generation Costimulation Blockade and
Xenotransplantation”, University of Wisconsin School of
Medicine, Transplant Grand Rounds
Madison, WI
April 17, 2017

ADVISING AND MENTORING

Undergraduate Students Activities

Other Advising Activities

Other

Supervised Teaching Activity: Abheek Ghosh current position – Medical Student, University of Maryland School of Medicine	June 2016 - August 2019
Supervised Teaching Activity: Karunesh Polireddy current position – Medical student, Emory University School of Medicine	June 2016 - August 2018
Supervised Teaching Activity: Manal Zafar current position- Medical student - Philadelphia College of Osteopathic Medicine, Georgia Campus	June 2016 - June 2017
Supervised Teaching Activity: Joshua Goldstein current position- Medical student - Miami University School of Medicine	May 10, 2015 - May 10, 2016
Supervised Teaching Activity: Hunter Roark current position – Internal Medicine Resident, Duke University School of Medicine	August 21, 2014 - May 29, 2015
Supervised Teaching Activity: Jahan Saeed current position – Medical Student – Edward Via College of Osteopathic Medicine	September 11, 2014 - May 15, 2015
Supervised Teaching Activity: Bennett Evans current position- Student Podiatry School	April 14, 2012 - August 30, 2014
Supervised Teaching Activity: Cameron Evans current position- Medical Student, Rosalind Franklin University of Medicine and Science	April 14, 2012 - August 30, 2014
Supervised Teaching Activity: Nathan Grigg current position-Undergraduate Student, Brigham Young University- Idaho	April 14, 2014 - August 29, 2014
Supervised Teaching Activity: Ruthie Morrison current position- Pediatric Resident, Baylor College of Medicine	May 15, 2014 - August 1, 2014
Supervised Teaching Activity:	August 1, 2013 - July 31, 2014

Caroline Roberts
current position- Nursing Student, Medical University of South Carolina
Supervised Teaching Activity: July 1, 2012 - May 15, 2013
Cristen Garrett Cain
current position- Anesthesiology Resident, Emory University School of
Medicine

Post Doc, Resident, and Trainee Supervision/Mentorship

Graduate student

Jakob Habib, Emory University Graduate Student January 1, 2018 - Present
Immunology and Molecular Pathogenesis Program

MD/PhD graduate

David Mathews, Emory University Graduate Student January 1, 2014 - August 24, 2017
Current position: General surgery resident, Department of Surgery, Emory
University School of Medicine

Medical Fellow

Dr. Daniel Kuehler, Transplant Surgery Fellow July 2022 - Present
Dr. Adam Cerise, Transplant Surgery Fellow July 2021 - Present
Dr. Toby Le-Nguyen, Transplant Surgery Fellow July 2021 - Present
Dr. Anant Dinesh, Transplant Surgery Fellow February 2021 - June 2022
Dr. Ahmed Nassar, Transplant Surgery Fellow August 1, 2019 - July 30, 2021
Dr. Octav Cristea, Transplant Surgery Fellow July 1, 2018 - June 30, 2020
Dr. Siddarth Desai, Transplant Surgery Fellow July 1, 2018 - June 30, 2020
Dr. Jakob Woloszun, Transplant Surgery Fellow July 1, 2017 - June 30, 2019
current position- Assistant. Professor of Surgery, Loma Linda University,
Loma Linda, California
Dr. Austin Schenk, Transplant Surgery Fellow July 1, 2016 - June 30, 2018
current position-Assistant Professor of Surgery, Ohio State University
School of Medicine, Columbus, Ohio
Dr. Doug Anderson, Transplant Surgery Fellow July 1, 2016 - June 30, 2018
current position-Assistant Professor of Surgery, University of Alabama
School of Medicine, Birmingham, Alabama
Dr. Michael Berger, Transplant Surgery Fellow July 1, 2015 - June 30, 2017
current position-Transplant/Pediatric Surgeon, Ludwig-Maximillians
University, Munich, Germany
Dr. Denise Lo, Transplant Surgery Fellow July 1, 2014 - June 30, 2016
current position - Assistant Professor of Surgery, Emory Transplant Center
Dr. William Kitchens, Transplant Surgery Fellow July 1, 2014 - June 30, 2016
current position- Assistant Professor of Surgery, Emory Transplant Center
Dr. Raul Badell, Transplant Surgery Fellow July 1, 2013 - June 30, 2015
current position - Assistant Professor of Surgery, Emory Transplant Center
Dr. Malcolm MacConmara, Transplant Surgery Fellow July 1, 2012 - June 30, 2014
current position- Assistant Professor of Surgery, UT Southwestern
Dr. Raymond Lynch, Transplant Surgery Fellow July 1, 2012 - June 30, 2014
current position- Assistant Professor of Surgery, Emory Transplant Center.
Dr. Alexa Turner, Transplant Surgery Fellow July 1, 2012 - June 30, 2013
current position- Assistant Professor of Surgery, University of Arizona
College of Medicine, Section of Abdominal Transplant, Tucson, Arizona

Post Doc

Dr. David Faber, General Surgery Resident Research Post-doctoral July 1, 2019 - Present
Fellow
Dr. Abraham Matar, General Surgery Resident Research July 1, 2018 - Present

Postdoctoral Fellow
 Dr. Brendan Lovaskik, General Surgery Resident Research July 1, 2018 - Present
 Postdoctoral Fellow
 Dr. Steven Kim, General Surgery Resident Research Postdoctoral July 1, 2015 - June 30, 2017
 Fellow
 Current Position: General Surgery Resident, Emory University School of
 Medicine
 Dr. Laura Higginbotham, General Surgery Resident Research July 1, 2014 - June 30, 2016
 Post-doctoral Fellow
 Current position Physician, U.S. Food and Drug Administration
 Dr. Walter Wakwe, General Surgery Resident Research July 1, 2012 - June 30, 2014
 Post-doctoral Fellow
 Current position: Fellow Thoracic Surgery, Emory University, Emory
 School of Medicine
 William H. Kitchens, Graduate Student (Ph.D. awarded) July 1, 2009 - June 30, 2012
 Current position: Assistant Professor of Surgery, Emory Transplant Center,
 Emory University Hospital, Emory School of Medicine

Thesis Committee

Jakob Habib, Emory University, Immunology & Molecular July 1, 2022 - December 2022
 Pathogenesis Graduate Program
 Quoc Mac, Georgia Institute of Technology, Biomedical July 1, 2018 - March 2021
 Engineering Graduate Program
 Caitlyn Sok, Georgia Institute of Technology, Biomedical July 1, 2017 - 2019
 Engineering Graduate Program
 Amanda Mener, Emory University, Immunology and Molecular July 1, 2014 - 2018
 Pathogenesis Graduate Program

CLINICAL ACTIVITIES

Clinical Service

Member, Growth Committee, Solid Organ Transplant Service Line 2020 - Present
 Member, Finance & Ops Committee, Solid Organ Transplant 2020 - Present
 Service Line
 Member, Emory Transplant Center July 1, 2011 - 2021
 Pediatric Liver Transplant Surgeon July 1, 2012 - 2020
 Adult Liver Transplant Surgeon, Emory Healthcare July 1, 2012 - September 30, 2020
 Member, Emory University Transplant Center January 2000 - May 2005

SERVICE AND PUBLIC ENGAGEMENT

Service to the Discipline/Profession/Interdisciplinary Area(s)

Ad Hoc Reviewer

Clinical Journal of the American Society of Nephrology April 2017 - Present
 Journal of Clinical Investigation Insight March 2017 - Present
 Annals of Surgery August 2014 - Present
 Transplantation August 2014 - Present
 Science Translational Medicine June 2014 - Present
 Xenotransplantation May 2014 - Present
 American Journal of Transplantation September 2003 - Present

Chair

ATC 2023 - Program Planning Committee Meeting 2022 - 2023

Concurrent Session 33 on “Tolerance”, American Transplant Congress, Seattle, Washington May 18, 2013 - May 22, 2013

Concurrent Symposium on “Leukocyte Trafficking to Inflammatory Sites” American Transplant Congress, Seattle, Washington May 18, 2013 - May 22, 2013

Co-chair

Enhancing Kidney Transplantation: The Role of Xenografts, Washington, DC April 11, 2022 - April 12, 2022

A Scientific Workshop Sponsored by the National Kidney Foundation

Editor

Current Opinion in Organ Transplantation 2018
 American Journal of Transplantation 2015 - 2018

Member

Scientific Program Committee for the 2023 Joint IPITA-IXA-CTRMS Congress 2022 - Present

American Society of Transplantation (AST), American Transplant Congress (ATC) Planning Committee May 2019 - Present

Executive Committee, Community of Transplant Scientists American Transplant Society May 2019 - Present

Grants Review Committee - American Society of Transplant Surgeons May 2019 - Present

Program Committee, American Society of Transplantation (AST), Fellows Symposium on Transplantation Medicine March 2017 - Present

Planning Committee, American Society of Transplantation (AST), Cutting Edge of Transplantation (CEOT) August 2016 - May 2019

American Society of Transplantation (AST), American Transplant Congress (ATC) Planning Committee May 2015 - May 2018

Scientific Review Committee, Transplantation and Immunology Research Network May 2015 - May 2018

American Society of Transplantation

Organizing Committee of the 14th Annual Great Lakes Transplantation Immunology Forum, Atlanta, Georgia October 29, 2013 - October 30, 2013

Moderator

AST/AJT Journal Club on "First clinical-grade porcine kidney xenotransplant using a human decedent model" May 19, 2022

Tissue Engineering and Xenotransplantation American Transplant Congress, Seattle, Washington June 5, 2018

Clinical Xenotransplantation- Perpetual Myth or Potential Reality? American Transplant Congress, Chicago, Illinois May 2, 2017

Breakout Session 1: Organ Specific Breakouts-Early Management of Issues, Medical and Surgical Decision Making: Kidney. American Society of Transplantation Fellows Symposium, Grapevine, Texas September 25, 2015 - September 27, 2015

Concurrent Session: Islet Transplantation Basic, American Transplant Congress, Philadelphia, Pennsylvania May 2, 2015 - May 6, 2015

Immunosuppression Pre-Clinical Studies-Mechanisms of Action I, World Transplant Congress, San Francisco, California July 26, 2014 - July 31, 2014

Emory University Department of Surgery Research Symposium 2013

Moderator & Abstract Reviewer

Reviewer

American Transplant Congress 2012 - Present
Abstract Reviewer
World Transplant Congress 2012 - Present
Abstract Reviewer

Steering Committee Member

Emerging Science and Technology in Transplantation Cooperative Group 2020 - Present
NIH NIAID
Immunobiology of Xenotransplantation Cooperative Research Program 2020 - Present
NIH NIAID
Non-Human Primate Immune Tolerance Cooperative Study Group 2020 - Present
NIH NIAID

Service to the University/College/Department

College

Emory University School of Medicine

Member, Research Advisory Committee June 2014 - 2020
Member, Curriculum Reform Committee August 2004 - May 2005

Department

University of Minnesota

Member, Research Resident Committee 2022 - Present

Public and External Service

Board of Directors, LifeSource June 2022 - Present
Ad Hoc Council Member, Division of Allergy, Immunology, and Transplantation (DAIT), NIAID, Virtual September 13, 2021