

CONTACT INFORMATION	<p>The University of North Carolina at Chapel Hill  School of Public Health, Department of Epidemiology  123 West Franklin Street, Suite 410  Chapel Hill, NC 27516 USA</p>	<p><i>E-mail:</i> <a href="mailto:alvin@jhmi.edu">alvin@jhmi.edu</a>  <i>Github:</i> <a href="#">alvinthomas</a>  <i>Twitter:</i> <a href="#">@alvinthomas13</a>  <i>LinkedIn:</i> <a href="#">@alvinthomas13</a></p>
RESEARCH INTERESTS	<p><b>Healthy Aging with End-Stage Renal Disease:</b> My research explores the relationship between neurons and nephrons, with a specific focus on clinically important epidemiologic questions at the intersection of vascular and cognitive aging. Patients with declining kidney function are at higher risk of cognitive decline and incident dementia. I hope to identify interventions to improve kidney disease outcomes and promote healthy aging.</p> <p><b>Advancing Epidemiologic Methods:</b> As an educator, I hope to shorten the lag between the development of advanced epidemiologic and biostatistical tools and their application in chronic disease epidemiology.</p> <p><b>Patient-Centered eHealth:</b> I am also involved in the development of a number of eHealth tools designed to connect, educate, and empower solid organ transplant donors and recipients.</p>	
CURRENT POSITION	<p><b>Doctoral Student,</b> The University of North Carolina  School of Public Health, Department of Epidemiology</p>	2018-Present
EDUCATION	<p><b>The University of North Carolina,</b> Chapel Hill, NC</p> <p>PhD, Epidemiology, In Progress</p> <ul style="list-style-type: none"> <li>• Focus: Cardiovascular Epidemiology</li> <li>• Adviser: Gerardo M. Heiss, MD, PhD</li> </ul> <p><b>The Johns Hopkins University,</b> Baltimore, MD</p> <p>MSPH, International Health, May 2016</p> <ul style="list-style-type: none"> <li>• Focus: Global Disease Epidemiology and Control (GDEC)</li> <li>• Thesis: <i>The mLAKE Community Trial: Using mHealth to Empower CHWs to Encourage Combination HIV Prevention</i></li> <li>• Adviser: Larry W. Chang, MD, MPH</li> </ul> <p><b>Washington and Lee University,</b> Lexington, VA</p> <p>BS, Chemistry-Engineering, May 2014</p> <ul style="list-style-type: none"> <li>• <i>Honors</i> in Engineering</li> <li>• Minor in Poverty and Human Capabilities</li> <li>• Thesis: <i>Plasticity in Dissociated Neuronal Networks under Chronic Stimulation</i></li> <li>• Adviser: Jonathan Erickson, PhD</li> </ul>	
PEER-REVIEWED JOURNAL ARTICLES	<p>AG Thomas in bold; † Indicates Equal Effort; Sorted by Publication Date (Last in/First Out)</p> <p>[20] Warsame F, Ying H, Haugen CE, <b>Thomas AG</b>, Crews DC, Shafi T, Jaar B, Segev DL, McAdams-DeMarco MA. Intradialytic Activities and Health-Related Quality of Life among Hemodialysis Patients. <i>American Journal of Nephrology</i>. Accepted.</p> <p>[19] Holscher CM, Jackson K, <b>Thomas AG</b>, Haugen CE, DiBrito SR, Covarrubias K, Gentry SE, Ronin M, Waterman AD, Massie AB, Garonzik Wang J, Segev DL. Temporal Changes in the Composition of a Large Multicenter Kidney Exchange Clearinghouse: Do the Hard-to-Match Accumulate? <i>American Journal of Transplantation</i>. Accepted.</p> <p>[18] Eno AK, <b>Thomas AG</b>, Ruck JM, Van Pilsum Rasmussen SE, Halpern SE, Waldram MM, Muzaale AD, Purnell TS, Massie AB, Garonzik Wang J, Lentine KL, Segev DL,</p>	

Henderson ML. Attitudes and Perceptions of Using Mobile Health Technologies for Living Kidney Donor Follow-up. *Journal of Internet Medical Research mHealth and uHealth*. Accepted.

- [17] Zhou S, Massie AB, Holscher CM, Waldram MM, Ishaque T, **Thomas AG**, Segev DL. Prospective Validation of Prediction Model for Kidney Discard. *Transplantation*. In Press. PMID:30015701 doi:10.1097/TP.0000000000002362
- [16] Bae S, Massie AB, **Thomas AG**, Bahn G, Luo X, Jackson KR, Ottmann SE, Brennan DC, Desai NM, Coresh J, Segev DL, Garonzik Wang JM. Who Can Tolerate a Marginal Kidney? Predicting Survival after Deceased-Donor Kidney Transplantation by Donor-Recipient Combination. *American Journal of Transplantation*. In Press. PMID:29935051 doi:10.1111/ajt.14978
- [15] Van Pilsum Rasmussen SE, **Thomas AG**, Garonzik Wang J, Henderson ML, Stith SS, Segev DL, Nicholas LH. Reported Effects of the SRTR 5-tier Rating System on US Transplant Centers. *Transplant International*. In Press. PMID:29802802 doi:10.1111/tri.13282
- [14] Kumar K, Tonascia JM, Muzaale AD, Purnell TS, Ottmann SE, Al Ammary F, Bowring MG, Poon A, King EA, Massie AB, Chow EKH, **Thomas AG**, Ying H, Borja M, Konel JM, Henderson ML, Cameron AM, Garonzik-Wang JM, Segev DL. Racial differences in completion of the living kidney donor evaluation process. *Clinical Transplantation*. In Press. PMID:29791039 doi:10.1111/ctr.13291
- [13] Henderson ML, Adler JT, Van Pilsum Rasmussen SE, **Thomas AG**, Herron PD, Waldram M, Ruck JM, Purnell TS, DiBrito SR, Holscher CM, Haugen CE, Alimi Y, Konel JM, Eno AK, Garonzik-Wang JM, Gordon EJ, Lentine KL, Schaffer RL, Cameron AM, Segev DL. How Should Social Media Be Used in Transplantation? A Survey of The American Society of Transplant Surgeons. *Transplantation*. In Press. PMID:29684002 doi:10.1097/TP.0000000000002243
- [12] Haugen CE, Mountford A, Warsame F, Berkowitz R, Bae S, **Thomas AG**, Brown C, Brennan D, Neufeld KJ, Carlson MC, Segev DL, McAdams-DeMarco M. Incidence, Risk Factors, and Sequelae of Post-kidney Transplant Delirium. *Journal of the American Society of Nephrology*. In Press. PMID:29685884 doi:10.1681/ASN.2018010064
- [11] McAdams-DeMarco MA, Ying H, **Thomas AG**, Warsame F, Shaffer AA, Haugen CE, Garonzik Wang JM, Desai NM, Varadhan R, Walston J, Norman SP, Segev DL. Frailty, Inflammatory Markers, and Waitlist Mortality Among Patients with End-Stage Renal Disease in a Prospective Cohort Study. *Transplantation*. In Press. PMID:29677074 doi:10.1097/TP.0000000000002213
- [10] Flechner SM, **Thomas AG**, Ronin M, Veale JL, Leiser DB, Kapur S, Piepert JD, Segev DL, Henderson ML, Shaffer AA, Cooper M, Hil G, Waterman AD. The First 9 years of Kidney Paired Donation Through the National Kidney Registry: Characteristics of Donors and Recipients Compared to National Live Donor Transplant Registries. *American Journal of Transplantation*. In Press. PMID:29603640 doi:10.1111/ajt.14744
- [9] Haugen CE, **Thomas AG**, Garonzik Wang J, Massie AB, Segev DL. Minimizing Risk Associated with Older Liver Donors by Matching to Preferred Recipients: A National Registry and Validation Study. *Transplantation*. In Press. PMID:29570165 doi:10.1097/TP.0000000000002190
- [8] Durand CM†, Bowring MG†, **Thomas AG**, Kucirka LM, Massie AB, Cameron A, Desai NM, Sulkowski M, Segev DL. The Drug Overdose Epidemic and Deceased-Donor Transplantation in the United States: A National Registry Study. *Annals of Internal Medicine*. 2018 April 17. PMID:29710288 doi:10.7326/M17-2451
- [7] Holscher CM, Jackson K, Chow EKH, **Thomas AG**, Haugen CE, DiBrito SR, Purcell C, Ronin M, Waterman AD, Garonzik-Wang J, Massie AB, Gentry SE, Segev DL. Kidney Exchange Match Rates in a Large Multicenter Clearinghouse. *American Journal of Transplantation*. 2018 March 9. PMID:29437286 doi:10.1111/ajt.14689

- [6] Henderson ML†, DiBrito SR†, **Thomas AG**, Holscher CM, Shaffer AA, Bowring MG, Purnell TS, Massie AB, Garonzik-Wang JM, Waldram M, Lentine KL, Segev DL. Landscape of Living Multi-organ Donation in the United States: A Registry-Based Cohort Study. *Transplantation*. 2018 Jan 11. PMID:29952925 doi:10.1097/TP.0000000000002082
- [5] Ruck JM, Zhou S, **Thomas AG**, Cramm SL, Massie AB, Montgomery JR, Berger JC, Henderson ML, Segev DL. Electronic messaging and communication with living kidney donors. *Clinical Transplantation*. 2017 Dec 27. PMID:29281129 doi:10.1111/ctr.13184
- [4] Henderson ML†, **Thomas AG†**, Shaffer A, Massie AB, Luo X, Holscher CM, Purnell TS, Lentine K, Segev DL. The National Landscape of Living Kidney Donor Follow-up in the United States. *American Journal of Transplantation*. 2017 Dec 1. PMID:28510355 doi:10.1111/ajt.14356
- [3] Treat E, Chow EKH, Peipert JD, Waterman A, Kwan L, Massie AB, **Thomas AG**, Bowring MG, Leiser D, Flechner S, Melcher ML, Kapur S, Segev DL, Veale J. Shipping Living Donor Kidneys and Transplant Recipient Outcomes. *American Journal of Transplantation*. 2017 Nov 22. PMID:29165871 doi:10.1111/ajt.14597
- [2] Long A, Mbabali I, Hutton HE, **Thomas AG**, Bugos E, Mulamba J, Amico KR, Nalugoda F, Gray RH, Wawer MJ, Nakigozi G, Chang LW. Design and Implementation of a Community Health Worker HIV Treatment and Prevention Intervention in an HIV Hotspot Fishing Community in Rakai, Uganda. *Journal of the International Association of Providers of AIDS Care*. 2017 May 22. 5:499-505 PMID:28528560 doi:10.1177/2325957417709089
- [1] Perin J, **Thomas AG**, Oldja L, Ahmed S, Parvin T, Bhuyian SI, Sarker B, Biswas SK, Faruque AS, Sack RB, and George CM. Geophagy is associated with growth faltering in children in rural Bangladesh. *The Journal of Pediatrics*. 2016 Nov 30; 178:34-9. PMID:27496267 doi:10.1016/j.jpeds.2016.06.077

JOURNAL  
ARTICLES  
UNDER REVIEW

AG Thomas in bold; † Indicated Equal Effort; Sorted by Submission Date (First In/First Out)

- [1] Shaffer AA, **Thomas AG**, Bowring MG, Van Pilsum Rasmussen SE, Kucirka L, Alqahtani S, Gurakar A, Sulkowski M, Cameron A, Segev DL, Durand CM. Changes in Practice and Perception of Hepatitis C and Liver Transplantation: Results of a National Survey. First Submitted 10/2017.
- [2] Halpern SE, **Thomas AG**, Holscher CM, Massie AB, Henderson ML, Anjum S, Alejo JL, Boyarsky BJ, Locke JE, Segev DL. Sexual Dysfunction and Living Kidney Donation. First Submitted 10/2017.
- [3] **Thomas AG†**, Ruck JM†, Shaffer AA, Haugen CE, Ying H, Warsame F, Chu N, Carlson MC, Gross AL, Norman SP, Segev DL, McAdams-DeMarco M. Cognitive Impairment and Graft Loss in Kidney Transplant Recipients. First Submitted 12/2017.
- [4] Holscher CM, Leanza J, **Thomas AG**, Waldram MM, Haugen CE, Jackson K, Bae S, Massie AB, Segev DL. Anxiety, Depression, and Regret of Donation in Living Kidney Donor. First Submitted 4/2018.
- [5] Van Pilsum Rasmussen SE, Zhou S, **Thomas AG**, Segev DL, Nicholas NH. Transplant Community Perceptions of the Benefits and Drawbacks of Alternative Quality Metrics for Regulation. First Submitted 6/2018.

JOURNAL  
ARTICLES  
UNDER REVISION

AG Thomas in bold; † Indicated Equal Effort; Sorted by Submission Date (First In/First Out)

- [1] Ruck JM†, Henderson ML†, Eno AK, Van Pilsum Rasmussen SE, DiBrito SR, **Thomas AG**, Li R, Singer L, Massie I, Waldram MM, Konel JM, Helfer DR, Garonzik-Wang JM, Purnell T, Douglas B Mogul, Lentine K, Waterman AD, Segev DL. Use of Twitter in Communicating Living Donation Information to the Public: An Exploratory Study of Living Donors and Transplant Professionals. First Submitted 2017.

- [2] Holscher CM, Bae S, **Thomas AG**, Henderson ML, Haugen CE, DiBrito SR, Muzaale AD, Garonzik-Wang JM, Massie AB, Lentine KL, Segev DL. Early Hypertension and Diabetes after Living Kidney Donation. First Submitted 1/2018.
- [3] Haugen CE, Holscher CM, Luo X, Bowring MG, Orandi BJ, **Thomas AG**, Garonzik Wang J, Massie AB, Philosophe B, McAdams-DeMarco M, Segev DL. Trends in Liver Transplantation with Older Liver Donors. First Submitted 5/2018.
- [4] Henderson ML, **Thomas AG**, Eno AK, WalDRAM MM, Bannon J, Massie AB, Levan MA, Sevinc G, Garrison VM, Seiguer SE, Segev DL, Bingaman AW. Improving Living Kidney Donor Follow-up Using Mobile Health: A Pilot Randomized Control Trial. First Submitted 5/2018.

PRE-PRINTS

AG Thomas in bold; † Indicated Equal Effort; Sorted by Submission Date (First In/First Out)

- [1] Henderson ML, **Thomas AG**, Eno AK, WalDRAM MM, Bannon J, Massie AB, Levan MA, Sevinc G, Garrison VM, Seiguer SE, Segev DL, Bingaman AW. Improving Living Kidney Donor Follow-up Using Mobile Health: A Pilot Randomized Control Trial. First Submitted 5/22/2018.

CONFERENCE  
TALKS

AG Thomas in bold; † Indicated Equal Effort; Presenter(s) underlined; Sorted by Presentation Date (Last in/First Out)

- [19] **Thomas AG**, Ruck J, Shaffer AA, Haugen C, Ying H, Warsame F, Chu N, Carlson M, Gross A, Norman S, Segev DL, McAdams-DeMarco M. Cognitive Impairment and Graft Loss in Kidney Transplant Recipients. In: *International Congress of The Transplantation Society*, Madrid, Spain, June 30-July 5, 2018.
- [18] McAdams-DeMarco M, Ying H, **Thomas AG**, Warsame F, Shaffer AA, Haugen C, Garonzik Wang J, Desai N, Varadhan R, Walston J, Norman S, Segev DL. Frailty, Inflammation, and Waitlist Mortality among Patients with End-Stage Renal Disease on the Kidney Transplant Waitlist. In: *International Congress of The Transplantation Society*, Madrid, Spain, June 30-July 5, 2018.
- [17] Massie AB, Fahmy LM, Henderson ML, **Thomas AG**, Snyder J Al Ammary F, Segev DL. Pre-Donation Renal Function, Early Post-Donation Renal Function, and Subsequent ESRD Risk in Living Kidney Donors. In: *International Congress of The Transplantation Society*, Madrid, Spain, June 30-July 5, 2018.
- [16] **Thomas AG**, Shaffer AA, Ying H, Norman S, Segev DL, McAdams-DeMarco M. Prevalence of Frailty among Kidney Transplant Recipients in the United States. In: *American Transplant Congress*, Seattle, WA, USA, June 2-6, 2018.
- [15] **Thomas AG**, Holscher C, Shaffer AA, Garonzik-Wang J, Massie AB, Segev DL, Henderson ML. Living Liver Donor Follow-Up: Fewer than Half of Centers Meet Follow-Up Requirements in the US. In: *American Transplant Congress*, Seattle, WA, USA, June 2-6, 2018.
- [14] **Thomas AG**, Henderson ML, Shaffer AA, Massie AB, Koons B, Lentine K, Segev DL, Al Ammary F. Landscape of Living Donor Kidney Transplantation with International Donors in the United States. In: *American Transplant Congress*, Seattle, WA, USA, June 2-6, 2018.
- [13] Flechner S, **Thomas AG**, Ronin M, Veale J, Leeser D, Kapur S, Piepert J, Hil G, Waterman A. The First 9 years of KPD Through the National Kidney Registry: Characteristics of Donors and Recipients Compared to National Live Donor Transplant Registries. In: *American Transplant Congress*, Seattle, WA, USA, June 2-6, 2018.
- [12] Massie A, Henderson M, **Thomas AG**, Snyder J, Segev DL. Pre-Donation eGFR, Early Post-Donation eGFR, and Subsequent ESRD Risk in Living Kidney Donors. In: *American Transplant Congress*, Seattle, WA, USA, June 2-6, 2018.

- [11] Bae S, Garonzik-Wang J, Jackson K, **Thomas AG**, Luo X, Massie AB, Segev DL. Predicting Survival after Deceased-Donor Kidney Transplants by Donor-Recipient Match: Who Can Tolerate a High-KDPI Kidney? In: *American Transplant Congress*, Seattle, WA, USA, June 2-6, 2018.
- [10] Bowring M, Durand C, Kucirka L, **Thomas AG**, Massie A, Sulkowski M, Cameron A, Niraj D, Segev DL. Discard and post-transplant outcomes associated with organs donated after drug-overdose death. In: *American Transplant Congress*, Seattle, WA, USA, June 2-6, 2018.
- [9] Shaffer AA, **Thomas AG**, Masse AB, Gustafson S, Synder J, Shelton B, Reed R, Locke JE, Segev DL, Durand C. Waitlist Outcomes and Access to Liver Transplantation for HIV+ Candidates. In: *American Transplant Congress*, Seattle, WA, USA, June 2-6, 2018.
- [8] Holscher C, Jackson K, **Thomas AG**, Haugen C, DiBrito S, Ronin M, Waterman A, Massie AB, Garonzik-Wang J, Segev DL. Temporal Changes in the Characteristics and Sensitization of Kidney Paired Donation Registrants. In: *American Transplant Congress*, Seattle, WA, USA, June 2-6, 2018.
- [7] Haugen C, Luo X, **Thomas AG**, Holscher C, Garonzik-Wang J, McAdams-DeMarco M, Segev DL. Trends in Liver Transplantation with Older Liver Donors in the United States. In: *American Transplant Congress*, Seattle, WA, USA, June 2-6, 2018.
- [6] Rasmussen S, Zhou S, **Thomas AG**, Segev DL, Hersh Nicholas L. Transplant Community Perceptions of the Benefits and Drawbacks of Alternative Quality Metrics for Regulation. In: *American Transplant Congress*, Seattle, WA, USA, June 2-6, 2018.
- [5] McAdams-DeMarco MA, Ying H, **Thomas AG**, Warsame F, Shaffer AA, Haugen CE, Garonzik-Wang JM, Desai NM, Varadhan R, Walston J, Norman SP, Segev DL. Frailty, Inflammation, and Mortality Among Patients with End-Stage Renal Disease. In: *International Conference on Frailty & Sarcopenia Research*, Miami Beach, FL, USA, March 1 - 3, 2018.
- [4] Ruck JM†, **Thomas AG†**, Shaffer AA, Haugen CE, Ying H, Warsame F, Chu N, Carlson MC, Gross AL, Norman SP, Segev DL, McAdams-DeMarco MA. Cognitive Impairment and Graft Loss in Kidney Transplant Recipients. In: *Academic Surgical Congress*, Jacksonville, FL, USA, January 30 - February 1, 2018.
- [3] Holscher C, Chow E, **Thomas AG**, Purcell C, Ronin M, Garonzik-Wang J, Massie, A, Gentry S, Segev DL. Time to Match in a Large, Multi-center Kidney Paired Donation Registry. In: *Academic Surgical Congress*, Jacksonville, FL, USA, January 30 - February 1, 2018.
- [2] Holscher C, Jackson K, **Thomas AG**, Purcell C, Ronin M, Massie, A, Garonzik-Wang J, Segev DL. Kidney Paired Donation Programs Don't Become Concentrated with Highly Sensitized Candidates Over Time. In: *Academic Surgical Congress*, Jacksonville, FL, USA, January 30 - February 1, 2018.
- [1] Henderson ML†, **Thomas AG†**, Massie A, Luo X, Shaffer A, Holscher C, Segev DL. The Unfunded OPTN/UNOS Mandate of Living Kidney Donor Follow-up: Fewer than 50% of Centers in Compliance. In: *American Transplant Congress*, Chicago, IL, USA, April 29 - May 3, 2017.

CONFERENCE  
POSTERS

AG Thomas in bold; † Indicated Equal Effort; Presenter(s) underlined; Sorted by Presentation Date (Last in/First Out)

- [45] **Thomas AG**, Ruck J, Shaffer AA, Haugen C, Ying H, Warsame F, Chu N, Carlson M, Gross A, Norman S, Segev DL, McAdams-DeMarco M. Kidney Transplant Outcomes in Recipients with Cognitive Impairment: A National Registry and Prospective Cohort Study. In: *Society of Epidemiologic Research*, Baltimore, MD, USA, June 19-22, 2018.

- [44] **Thomas AG**, Shaffer AA, Ying H, Norman S, Segev DL, McAdams-DeMarco M. Prevalence of Frailty among Kidney Transplant Recipients in the United States. In: *Society of Epidemiologic Research*, Baltimore, MD, USA, June 19-22, 2018.
- [43] Bae S, Garonzik-Wang J, Jackson K, **Thomas AG**, Luo X, Bahn G, Massie AB, Coresh J, Segev DL. Who can Tolerate a Marginal Kidney? Predicting Survival After Deceased Donor Kidney Transplantation by Donor-Recipient Combination. In: *Society of Epidemiologic Research*, Baltimore, MD, USA, June 19-22, 2018.
- [42] McAdams-DeMarco M, Ying H, **Thomas AG**, Warsame F, Shaffer A, Haugen C, Varadhan R, Walston J, Segev D. Frailty, Inflammation, and Waitlist Mortality Among Patients With End-Stage Renal Disease. In: *Society of Epidemiologic Research*, Baltimore, MD, USA, June 19-22, 2018.
- [41] McAdams-DeMarco M, Haugen C, Ying H, Warsame F, **Thomas AG**, Brown C IV, Neufeld K, Carlson M, Segev DL. Incidence, Risk Factors, and Sequelae of Post-Kidney Transplant Delirium. In: *Society of Epidemiologic Research*, Baltimore, MD, USA, June 19-22, 2018.
- [40] Shaffer AA, **Thomas AG**, Massie AB, Gustafson S, Snyder J, Shelton B, Reed R, Locke JE, McAdams-DeMarco M, Segev DL. Estimating the Prevalence of HIV Among Liver Transplant Candidates In The United States. In: *Society of Epidemiologic Research*, Baltimore, MD, USA, June 19-22, 2018.
- [39] Waldram M, **Thomas AG**, Holscher C, Nguyen A, Halpern S, Anjum S, Alejo J, Boyarsky B, Ottman S, Henderson M, Al-Ammary F, Garonzik Wang J, Segev DL, Massie AB. Long-Term Renal Function in Living Kidney Donors with Renal Cysts. In: *Society of Epidemiologic Research*, Baltimore, MD, USA, June 19-22, 2018.
- [38] Massie AB, Fahmy L, Henderson ML, **Thomas AG**, Snyder J, Segev DL. Pre-Donation eGFR, Early Post-Donation eGFR, and Subsequent ESRD Risk In Living Kidney Donors. In: *Society of Epidemiologic Research*, Baltimore, MD, USA, June 19-22, 2018.
- [37] **Thomas AG**, Ruck J, Shaffer AA, Haugen C, Ying H, Warsame F, Chu N, Carlson M, Gross A, Norman S, Segev DL, McAdams-DeMarco M. Cognitive Impairment and Graft Loss in Kidney Transplant Recipients. In: *American Transplant Congress*, Seattle, WA, USA, June 2-6, 2018.
- [36] Shaffer AA, **Thomas AG**, Masse AB, Gustafson S, Synder J, Shelton B, Reed R, Locke JE, Segev DL, Durand C. National Landscape for HIV+ Liver Transplant Candidates. In: *American Transplant Congress*, Seattle, WA, USA, June 2-6, 2018.
- [35] Eno A, **Thomas AG**, Ruck J, Rasmussen S, Halpern S, Segev DL, Henderson ML. Patient Attitudes and Perceptions of Using Mobile Health Technology for Living Kidney Donor Follow-up and Care Management. In: *American Transplant Congress*, Seattle, WA, USA, June 2-6, 2018.
- [34] Waldram M, **Thomas AG**, Muzaale A, Holscher C, Nguyen A, Halpern S, Anjum S, Alejo J, Boyarsky B, Ottman S, Garonzik-Wang J, Segev DL, Massie AB. Long-term Renal Function in Living Kidney Donors with Renal Cysts. In: *American Transplant Congress*, Seattle, WA, USA, June 2-6, 2018.
- [33] Holscher C, **Thomas AG**, Jackson K, Haugen C, Ronin M, Waterman A, Massie AB, Garonzik-Wang J, Segev DL. Desensitization in a Large, National Kidney Paired Exchange Registry. In: *American Transplant Congress*, Seattle, WA, USA, June 2-6, 2018.
- [32] McAdams-DeMarco M, Ying H, **Thomas AG**, Warsame F, Shaffer A, Haugen C, Garonzik-Wang J, Desai N, Norman S, Segev DL. Frailty, Inflammation, and Waitlist Mortality among Patients with End-Stage Renal Disease. In: *American Transplant Congress*, Seattle, WA, USA, June 2-6, 2018.

- [31] Rasmussen S, **Thomas AG**, Garonzik-Wang J, Henderson M, Stith S, Segev DL, Hersch Nicholas L. Reported Effects of the SRTR 5-Tier Rating System on US Transplant Centers. In: *American Transplant Congress*, Seattle, WA, USA, June 2-6, 2018.
- [30] Luo X, Haugen C, **Thomas AG**, Garonzik-Wang J, Segev DL. ABO-incompatible Deceased Donor Liver Transplantation. In: *American Transplant Congress*, Seattle, WA, USA, June 2-6, 2018.
- [29] Kosztowski M, Bush E, Luo X, **Thomas AG**, Bowring MG, Segev DL, Garonzik-Wang J. The Aggressive Phenotype: Center-level Characteristics in the Use of Suboptimal Lungs. In: *American Transplant Congress*, Seattle, WA, USA, June 2-6, 2018.
- [28] **Thomas AG**, Shaffer AA, Ying H, Walston J, Norman SP, Segev DL, McAdams-DeMarco MA. National Estimates of Frailty Prevalence among Kidney Transplant Recipients in the United States. In: *International Conference on Frailty & Sarcopenia Research*, Miami Beach, FL, USA, March 1 - 3, 2018.
- [27] Henderson M, Adler J, Rasmussen S, **Thomas AG**, Ruck J, Eno A, Purnell T, DiBrito S, Haugen C, Almi Y, Konel J, Garonzik-Wang J, Gordon E, Lentine K, Schaffer R, Massie A, Cameron A, Segev DL. How Should Social Media Be Used in Transplantation? A Survey of the American Society of Transplant Surgeons. In: *American Society of Transplant Surgeons*, Miami, FL, USA, January 11-14, 2018.
- [26] Rasmussen S, **Thomas AG**, Nicholas LH, Segev DL. Predicted Effects of Proposed Transplant Quality Metrics. In: *American Society of Transplant Surgeons*, Miami, FL, USA, January 11-14, 2018.
- [25] Shaffer AA, **Thomas AG**, Massie AB, Gustafson S, Snyder J, Shelton B, Reed R, Locke J, Segev DL. National Landscape of HIV+ Liver Transplant Candidates. In: *American Society of Transplant Surgeons*, Miami, FL, USA, January 11-14, 2018.
- [24] Luo X, Haugen C, **Thomas AG**, Garonzik-Wang J, Segev DL. ABO-incompatible Deceased Donor Liver Transplantation. In: *American Society of Transplant Surgeons*, Miami, FL, USA, January 11-14, 2018.
- [23] Haugen C, Luo X, **Thomas AG**, Holscher C, Garonzik-Wang J, McAdams-DeMarco M, Segev DL. Trends in Liver Transplantation with Older Liver Donors. In: *American Society of Transplant Surgeons*, Miami, FL, USA, January 11-14, 2018.
- [22] Waldram M, **Thomas AG**, Muzaale A, Holscher C, Nguyen A, Halpern S, Anjum S, Alejo J, Boyarsky B, Ottman S, Garonzik-Wang J, Segev DL, Massie AB. Post-donation Renal Function in Living Kidney Donors with Pre-donation Renal Cysts. In: *American Society of Transplant Surgeons*, Miami, FL, USA, January 11-14, 2018.
- [21] McAdams-DeMarco M, Ying H, **Thomas AG**, Warsame F, Shaffer AA, Haugen C, Garonzik-Wang J, Desai N, Norman S, Segev DL. Frailty, Inflammation, and Waitlist Mortality Among KT Candidates. In: *American Society of Transplant Surgeons*, Miami, FL, USA, January 11-14, 2018.
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- [10] **Thomas AG**, Shaffer A, Massie A, Segev DL. Use of Pulsatile Perfusion Modifies the Effect of Delayed Graft Function on Graft Failure. In: *American Transplant Congress*, Chicago, IL, USA, April 29 - May 3, 2017.
- [9] **Thomas AG**, Massie A, Garonzik-Wang J, Lentine K, Henderson M, Segev DL. Landscape of Multiple Donations from a Living Donor in the US. In: *American Transplant Congress*, Chicago, IL, USA, April 29 - May 3, 2017.
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- [7] Halpern SE, **Thomas AG**, Holscher C, Massie A, Henderson ML, Anjum S, Locke J, Segev DL. Sexual Dysfunction Among Living Kidney Donors. In: *American Transplant Congress*, Chicago, IL, USA, April 29 - May 3, 2017.
- [6] Bannon J, Wickliffe C, **Thomas AG**, Klingbell A, Hiller J, Halpern S, Segev DL, Henderson ML. An Interdisciplinary Task Force to Engage Living Kidney Donors and Improve Follow-up Compliance. In: *UNOS Transplant Management Forum*, Orlando, FL, USA, April 25-27, 2017.
- [5] **Thomas AG**, Henderson ML, Massie AB, Shaffer A, Luo X, Holscher CM, Segev DL. Fewer than 50% of Transplant Centers Fully Comply with OPTN Living Donor Follow-up Policy. In: *American Society of Transplant Surgeons*, Miami, FL, USA, January 26-29, 2017.
- [4] Hapern SE, **Thomas AG**, Holscher CM, Massie AB, Henderson ML, Anjum S, Locke JE, Segev DL. Sexual Dysfunction Among Living Kidney Donors. In: *American Society of Transplant Surgeons*, Miami, FL, USA, January 26-29, 2017.



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- [2] Chang LW, Mbabali I, Kong X, Hutton H, Long A, **Thomas AG**, Bugos E, Ssekasanvu J, Kennedy C, Amico KR, Nalugoda F, Reynolds SJ, Quinn T, Serwadda D, Gray R, Wawer M, Nakigozi G. A Cluster-Randomized Trial to Promote Combination HIV Prevention Using mHealth-Supported CHWs in a High-Prevalence Ugandan Fishing Community: Design and Baseline Characteristics of the mLAKE Trial. In: *International AIDS Conference*, Durban, South Africa, July 18-22, 2016.
- [1] Erickson JE<sup>†</sup>, **Thomas AG<sup>†</sup>**, Strickland K, Barnes A. Iterative Gaussian mixture model splitting of multimodal PSTH for studying activity dependent changes in cultured network connectivity. In: *Society for Neuroscience*, San Deigo, CA, USA, November 9-13, 2013.

#### INVITED TALKS

- [1] The National Landscape of Living Kidney Donor Follow-up in the United States. In: *American Society of Transplantation and American Journal of Transplantation Journal Club*, Online, December 7, 2017.
- [2] Utilizing Digital Tools for Living Kidney Donor Follow-up. In: *Texas Transplant Institute at Methodist Hospital*, San Antonio, TX, USA, March 5, 2018.
- [3] Scientific Insights from Nine Years of the National Kidney Registry. In: *Johns Hopkins University Division of Immunogenetics and Transplantation Immunology*, Baltimore, MD, USA, June 12, 2018.

#### EXTRAMURAL FUNDING

##### **NIH, National Heart, Lung, and Blood Institute (NHLBI)**

5T32HL007055 Rosamond & Heiss (Co-PIs) 8/18/2018-8/17/2019 12 months (100%)  
*Cardiovascular Epidemiology Training Grant*

Primary Goals: Pre-doctoral training grant to develop the requisite research skills and expertise in the area of cardiovascular disease epidemiology and outcomes research.

Role: Predoctoral Trainee

#### TEACHING EXPERIENCE

##### **Johns Hopkins University Bloomberg School of Public Health**, Baltimore, MD

*Guest Lecturer*

**May 2017**

- 340.600.01: Stata Programming
  - Graduate course in intermediate Stata programming
  - Main instructors: Dorry L. Segev, Allan B. Massie
  - Lecture: “From a Dirty Dataset to Table 1”
  - Enrollment: 281

#### RESEARCH EXPERIENCE

##### **Research Data Analyst** | Johns Hopkins University | 2016-2018

- Responsible for data analysis and manuscript preparation for >30 research projects in transplantation epidemiology. Managed data for an ongoing NIH-funded prospective study of living donors. Supported the development of novel eHealth technologies for kidney donors engagement and follow-up. Developed and maintained statistical software in R and Stata. Advisor: Dorry Segev, MD PhD

##### **Research Assistant** | Rakai Health Science Program | 2015-2016

- Trained community health workers and study staff involved in the implementation of two NIH-funded studies in Rakai, Uganda. Developed the standard operating procedures for data quality and management and contributed to the development of study questionnaires and protocols. Developed analytic R scripts to regularly generate weekly study implementation reports. Assisted in the development and testing of two mHealth applications. Advisor: Larry Chang, MD MPH.

**Data Manager** | Johns Hopkins University | 2016

- Performed data management activities to ensure data quality using SAS, EpiInfo, and Stata for the NSEBA Study which aims to improve detection of pediatric HIV in Zambia. Advisor: Catherine Sutcliffe, PhD.

**Research Assistant** | International Vaccine Access Center | 2014-2015

- Abstracted data from >100 journal articles for a systematic review that aimed to estimate the global burden of Haemophilus influenza type B, Streptococcus Pneumoniae, and Neisseria meningitides.

**Student Reseracher** | Shepherd Poverty Program | 2013

- Analyzed data from the CDC Health, 2011 report to present longitudinal data analysis on the relationship between socioeconomic status and health status. Funded by the University Research Scholarship. Advisor: Harlan Beckley, PhD

**Biomedical Engineering Technician** | Engineering World Health | 2013

- Fully repaired 20 medical devices, took full inventories of the Rubavu hospital and its ten surrounding health clinics, and conceptualized a novel medical device to perform lab equipment calibrations in resource-scarce environments.

AMERICORPS  
SERVICE

**Robotics Program Founder** | Lexington City Schools | 2011-2014

- Created and ran a program that uses Lego NXT robots to introduce middle school and elementary students to robotics, computer science, and engineering design utilizing a \$2500 grant from NSF.

**Shift Leader** | Campus Kitchens Project | 2011-2014

- Addressed local hunger as a ServSafe-certified manager by supervising shifts that collected, prepared, and served over 300 meals/week.

**Trip Coordinator** | Volunteer Venture Program | 2011-2013

- Coordinated three weeklong service trips for incoming students, which involves budget management and logistical planning.

**Therapeutic Nursery Intern** | Kennedy Krieger Institute | 2011

- Conducted play-therapy sessions with toddlers and families experiencing homelessness. Provided care for the children and assisted with an active study in child psychology.

**Patient Eligibility Intern** | Rockbridge Area Health Center | 2010-2012

- Helped manage the medical database, helped eligible patients acquire free medication from pharmaceutical companies, and answered patient questions by phone.

SOFTWARE  
SKILLS

Statistical/Numerical Analysis:

- Stata, R, SAS, MATLAB, Maple

Computer Programming:

- Java, C++, C, Python, SQL

Version Control:

- Git (GitHub/GitLab)

Productivity and Editing Software:

- Atom, Xcode, RStudio
- T<sub>E</sub>X (L<sup>A</sup>T<sub>E</sub>X, B<sub>I</sub>B<sub>T</sub>E<sub>X</sub>)
- Microsoft Office, LibreOffice, Google Docs, iWork, EndNote
- GIMP, Adobe Photoshop

Operating Systems:

- Apple MacOS, Microsoft Windows, Linux (Fedora, SGE)

## AWARDS

### American Transplant Congress 2017

- Best of Congress Poster for "Use of Pulsatile Perfusion Modifies the Effect of Delayed Graft Function on Graft Failure"
- Poster of Distiction for "Use of Pulsatile Perfusion Modifies the Effect of Delayed Graft Function on Graft Failure"

### Johns Hopkins University Bloomberg School of Public Health

- Center for Global Health Established Field Placement/Pilot Grant, 2015

### Washington and Lee University

- Algernon Sydney Sullivan Award, 2014
- Omicron Delta Kappa Leader of the Year, 2014
- Sigma Pi Sigma Physics Honor Society, 2013
- Johnson Opportunity Grant, 2013
- Evans International Grant, 2013
- Avis P. Waring Scholarship, 2013
- Omicron Delta Kappa Leadership Honor Society, 2013
- Beta Beta Beta Biological Honor Society, 2011
- Bonner Scholarship, 2010
- Johnson Scholarship, 2010-2014

## ACTIVITES

### Journal Peer Review (ad hoc)

- American Journal of Transplantation (AJT)
- Journal of Internet Medical Research (JMIR)

### Conference Abstract Review

- Society for Epidemiologic Research, 2018-

### Memberships

- Student Member, American Society of Nephrology (ASN), 2018-
- Trainee Member, Society for Epidemiologic Research (SER), 2017-
- Trainee Member, American Society of Transplant Surgeons (ASTS), 2016-
- Student Member, Society for Neuroscience (SFN), 2013