

University of Minnesota Medical School Curriculum Vitae

STEPHEN J. HUDDLESTON
Division of Cardiothoracic Surgery
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Education

Fellow in Thoracic Surgery John Hopkins Hospital	2009 - 2012
PhD, University of Minnesota Minneapolis, Minnesota Advisor: Sara J Shumway, Mark Jenkins	2009
Postdoctoral Research Fellow University of Minnesota	2003 - 2007
Residency in General Surgery University of Minnesota	2001 - 2003
Internship in General Surgery University of Minnesota	2000 - 2001
MD, Columbia University, College of Physicians and Surgeons New York, New York	2000
BA, University of Kansas Lawrence, Kansas Biochemistry with Highest Distinction	1996

Licenses and Certifications

American Board of Thoracic Surgery	2013 - Present
Minnesota Medical License (#46209)	2012 - Present
American Board of Surgery	2009 - Present
DEA	2021 - 2024
AHA Basic Life Support	2022 - 2023
Maryland Medical License (#D71652)	2010 - 2012
Minnesota Medical License (#46209)	2003 - 2009

Academic Appointments

Assistant Professor of Surgery University of Minnesota, Twin Cities Campus	2015 - 2021
Associate Professor of Surgery University of Minnesota, Twin Cities Campus	2021 - Present

Academic Administrative Appointments

Chief of Cardiothoracic Surgery St. John's Hospital	2021 - Present
Director of Lung Transplant Program University of Minnesota Medical Center	2018 - Present
Chief of Cardiothoracic Surgery St. Joseph's Hospital St. Paul, Minnesota, United States	2015 - 2020

Clinical/Hospital Appointments

Staff Physician St. John's Hospital St. Paul, Minnesota, United States	2021 - Present
Staff Physician Fairview Southdale Edina, Minnesota, United States	2015 - Present
Staff Physician Minneapolis Veterans Affairs Medical Center	2015 - Present
Staff Physician University of Minnesota Medical Center, Fairview	2015 - Present
Staff Physician St. Joseph's Hospital St. Paul, Minnesota, United States	2015 - 2020
Cardiothoracic Surgeon St. Luke's Hospital St. Luke's Cardiothoracic Surgery Associates Duluth, Minnesota	2012 - 2015

Current Membership in Professional Organizations

Fellow (FACS), American College of Surgeons (ACS)	October 27, 2019 - Present
Thoracic Organ Transplantation Committee, American Society of Transplant Surgeons (ASTS)	2019 - Present
International Society for Heart & Lung Transplantation	2015 - Present
Society of Thoracic Surgeons	2012 - Present

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

University of Minnesota

Cassius Ellis Award, University of Minnesota	2009
The Doctor David Gavisier Mount Sinai Surgical Research Award, University of Minnesota	2008
Resident Award for Basic Research, Minnesota Surgical Society	2004
Richard C. Lillehei, MD/Earl Bakken Prize, University of Minnesota	2004

External Sources

Clinical Excellence Honor, University of Minnesota Physicians	January 2023
2021 Top Doctors (Cardiothoracic Surgery) Minneapolis/St. Paul	August 26, 2021

Magazine, Minnesota Monthly 2020 Top Doctors (Cardiothoracic Surgery) Minneapolis/St. Paul Magazine, Minnesota Monthly	March 25, 2020
Naomie Berrie Diabetes Summer Research Fellowship, Columbia University, Department of Cell Biology Investigated the membrane targeting of syndet, a protein involved in vesicle trafficking, using molecular biological and immunohistochemical techniques under the direction of Giulia Baldini, MD, PhD	1997
National Science Foundation Undergraduate Research Award, University of Kansas, Department of Pharmacology and Toxicology Research under the direction of Mary Lou Michaelis, PhD	1996
National Science Foundation Undergraduate Research Award, University of Kansas, Department of Pharmacology and Toxicology Research under the direction of Mary Lou Michaelis, PhD	1995
National Science Foundation Undergraduate Research Award, University of Kansas, Department of Pharmacology and Toxicology Research under the direction of Mary Lou Michaelis, PhD	1994

RESEARCH AND SCHOLARSHIP

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

Current:

- 1. Award: International Registry of Acute Aortic Dissection (IRAD)**
Project Investigators: Huddleston, Stephen J. (Institutional Principal Investigator)
Status: Funded
Sponsoring Organization: University of Minnesota
Institution: University of Minnesota
Award Dates: February 2024 - June 2050
Funded Amount for Entire Grant Period or Proposed Grant Period: \$0.00
- 2. Award: The Organ Care System Lung Thoracic Organ Perfusion (TOP) Post Approval Study (PAS) Registry**
Principal Investigator: Huddleston, Stephen J.
Sponsoring Organization Reference ID: OCS-LUN-PAS01
Status: Accepted
Sponsoring Organization: TRANSMEDICS, INC.
Award Dates: July 1, 2018 - August 1, 2025
Funded Amount for Entire Grant Period: \$148,270.00

Project: The Organ Care System (OCS) Lung Thoracic Organ Perfusion (TOP) Post Approval Study (PAS) Registry

Project Team: Huddleston, Stephen, J. (Principal), Huddleston, Stephen, J. (Principal)

Status: Approved

Project Dates: July 1, 2018 - August 1, 2025

3. **Award: Boston Scientific ACURATE IDE Study: Extended Durability Study (EXD) and Continued Access Study (CAS)**

Project Investigators: Huddleston, Stephen J. (Co-Investigator)
Status: Funded
Sponsoring Organization: Boston Scientific
Institution: University of Minnesota
Award Dates: September 6, 2023 - June 30, 2025

4. **Award: Clinical and Biological Factors Predicting a Lung Transplant Textbook Outcome**

Principal Investigator: Huddleston, Stephen J.
Sponsoring Organization Reference ID: 303002479 (previous 303001092)
Status: Accepted
Sponsoring Organization: DUKE UNIVERSITY
Award Dates: August 5, 2022 - July 31, 2024

Project: Clinical and Biological Factors Predicting a Lung Transplant Textbook Outcome

Project Team: Huddleston, Stephen, J. (Principal), Patil, Jagadish, M. (Co-Investigator), Hunter, Ryan, C. (Co-Investigator)
Status: Approved
Project Dates: August 5, 2022 - July 31, 2024

5. **Award: 2022 ASTS-CSL Behring Mid-Level Faculty Research Grant**

Project Investigators: Huddleston, Stephen J. (Principal)
Status: Funded
Sponsoring Organization: American Society of Transplant Surgeons
Institution: University of Minnesota
Award Dates: July 1, 2022 - June 30, 2024
Funded Amount for Entire Grant Period or Proposed Grant Period: \$100,000.00

6. **Award: Personalized characterization of lymphocyte-mediated rejection in lung transplant recipients**

Principal Investigator: Huddleston, Stephen J.
Sponsoring Organization Reference ID: 2022 ASTS-CSL Behring Grant
Status: Accepted
Sponsoring Organization: AMERICAN SOCIETY OF TRANSPLANT SURGEONS
Award Dates: July 1, 2022 - June 30, 2024

Project: Personalized characterization of lymphocyte-mediated rejection in lung transplant recipients

Project Team: Huddleston, Stephen, J. (Principal)
Status: Approved
Project Dates: July 1, 2022 - June 30, 2024

7. **Award: Prospective, International, Multi-Center, Randomized Clinical Investigation Of TransMedics Organ Care System (OCS Lung) For Lung Preservation And Transplantation**

Principal Investigator: Huddleston, Stephen J.

Sponsoring Organization Reference ID: INSPIRE-PAS; OCS-LUN-03-PAS

Status: Accepted

Sponsoring Organization: TRANSMEDICS, INC.

Award Dates: March 1, 2019 - February 28, 2024

Funded Amount for Entire Grant Period: \$54,060.00

Project: Prospective, International, Multi-Center, Randomized Clinical Investigation Of TransMedics Organ

Care System (OCS Lung) For Lung Preservation And Transplantation

Project Team: Huddleston, Stephen, J. (Principal)

Status: Approved

Project Dates: March 1, 2019 - February 28, 2024

Pending:

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

Role: Principal

Status: Submitted

Sponsoring Organization: NATIONAL INSTITUTES OF HEALTH (NIH)

Date Submitted: October 15, 2021

Past:

1. **Award: International Trial to Evaluate the Safety and Effectiveness of the Portable Organ Care System (OCS) Lung System for Recruiting, Preserving and Assessing Non-Ideal Donor Lungs for Transplantation (EXPAND II Trial)**

Principal Investigator: Huddleston, Stephen J.

Sponsoring Organization Reference ID: OCS-LUN-012017 EXPAND II

Status: Closed

Sponsoring Organization: TRANSMEDICS, INC.

Award Dates: April 1, 2018 - September 30, 2022

Funded Amount for Entire Grant Period: \$347,318.00

1. **Project: International Trial to Evaluate the Safety and Effectiveness of the Portable Organ Care System (OCS) Lung System for Recruiting, Preserving and Assessing Non-Ideal Donor Lungs for Transplantation (EXPAND II Trial)**

Project Team: Huddleston, Stephen, J. (Principal)

Status: Approved

Project Dates: April 1, 2018 - September 30, 2022

2. **Project: International Trial to Evaluate the Safety and Effectiveness of the Portable Organ Care System (OCS) Lung System for Recruiting, Preserving and Assessing Non-Ideal Donor Lungs for Transplantation (EXPAND II Trial)**

Project Team: Huddleston, Stephen, J. (Principal)
Status: Approved
Project Dates: April 1, 2018 - September 30, 2022

2. **Award: International Trial to Evaluate the Safety and Effectiveness of the Portable Organ Care System (OCS) Lung for Recruiting, Preserving and Assessing Expanded Criteria Donor Lungs for Transplantation (EXPAND Trial)**

Principal Investigator: Huddleston, Stephen J.
Sponsoring Organization Reference ID: EXPAND - OCS-LUN0012013
Status: Closed
Sponsoring Organization: TRANSMEDICS, INC.
Award Dates: October 7, 2013 - December 31, 2019

Project: International Trial to Evaluate the Safety and Effectiveness of the Portable Organ Care System (OCS) Lung for Recruiting, Preserving and Assessing Expanded Criteria Donor Lungs for Transplantation (EXPAND Trial)

Project Team: Huddleston, Stephen, J. (Principal), Loor, Gabriel
Status: Approved
Project Dates: October 7, 2013 - December 31, 2019

Publications

Asterisk() - indicates co-first author*
Underline - indicates student author

Peer-Reviewed Publications

1. Huddleston, S. (2023). Beating the odds: long-term survival after lung transplantation. *J Thorac Dis*, 15(9), 4558-4560. PMID: 37868854 [doi: 10.21037/jtd-23-1018](https://doi.org/10.21037/jtd-23-1018)
2. Huddleston, S. (2023). Development of Comorbidity Index for in-hospital mortality for patients who underwent coronary artery revascularization. *J Cardiovasc Surg*, 64(6), 678-685. PMID: 37987738 [doi: 10.23736/S0021-9509.23.12833-3](https://doi.org/10.23736/S0021-9509.23.12833-3)
Define intellectual content, manuscript editing and manuscript review.
3. Li, R., Luo, Q., Yanavitski, M., Huddleston, S. (2023). Disparity among Asian Americans in transcatheter and surgical aortic valve replacement. *Cardiovasc Revasc Med*, S1553-8389(23), 00798-4. PMID: 37673721 [doi: 10.1016/j.carrev.2023.08.016](https://doi.org/10.1016/j.carrev.2023.08.016)
Defined intellectual content, Conducted literature research, Manuscript editing
4. Kazmirczak, F., Prisco, S., Knoper, R., Huddleston, S., Raveendran, G., Pritzker, M., Thenappan, T., Prins, K., Gurevich, S. (2023). Effect of Combination of Balloon Pulmonary Angioplasty and Medical Therapy on Reverse Right Ventricular Remodeling and Hemodynamics in Chronic Thromboembolic Pulmonary Hypertension. *J Invasive Cardiol*, 35(6), E212-E320. PMID: 37410748
Defined intellectual content, Conducted literature research, Manuscript editing
5. Subramaniam, K., Loor, G., Chan, E., Bottiger, B., Ius, F., Hartwig, M., Daoud, D., Zhang, Q., Wei, Q., Villavicencio-Theoduloz, M., Osho, A., Chandrashekar, S., Machuca, T., Raemdonck, D., Neyrinck, A., Toyoda, Y., Kashem, M., Huddleston, S., Ryssel, N., Sanchez, P. (2023). Intraoperative Red Blood Cell Transfusion and Primary Graft Dysfunction After Lung Transplantation. *Transplantation*, 107(7), 1573-1579. PMID: 36959119 [doi: 10.1097/TP.0000000000004545](https://doi.org/10.1097/TP.0000000000004545)
Defined intellectual content, Conducted literature research, Manuscript editing

6. Doenges, J., Reed, A., Huddleston, S., Wang, Q., Valentine, R. (2023). Persistent malperfusion after central aortic repair in acute type I aortic dissections. *J Vasc Surg*, 77(6), 1618-1624. PMID: 36796591 [doi: 10.1016/j.jvs.2023.02.004](https://doi.org/10.1016/j.jvs.2023.02.004)
Defined intellectual content, Conducted literature research, Manuscript editing
7. Hingtgen, A., Siems, C., Huddleston, S., John, R. (2023). Posterolateral thoracotomy: unique approach to tricuspid valve replacement after right pneumonectomy. *J Surg Case Rep*, 2023(4). PMID: 37082650 [doi: 10.1093/jscr/rjad186](https://doi.org/10.1093/jscr/rjad186)
Defined intellectual content, Conducted literature research, Manuscript editing
8. Huddleston, S. (2023). Share New-onset postoperative atrial fibrillation after mitral valve surgery: Determinants and the effect on survival. *J Thorac Cardiovasc Surg*, 11(16), 305-320. PMID: 38204696 [doi: 10.1016/j.xjon.2023.08.018](https://doi.org/10.1016/j.xjon.2023.08.018)
Define intellectual content, manuscript editing and manuscript review.
9. Huddleston, S. (2023). The Adherence to an Intraoperative Blood Product Transfusion Algorithm Is Associated With Reduced Blood Product Transfusions in Cardiac Surgical Patients Undergoing Coronary Artery Bypass Grafts and Aortic and/or Valve Replacement Surgery: A Single-Center, Observational Study. *J Cardiothorac Vasc Anesth*, 38(5), 1135-1143. PMID: 38413344 [doi: 10.1053/j.jvca.2024.01.029](https://doi.org/10.1053/j.jvca.2024.01.029)
Defined intellectual content, Conducted literature research, Manuscript editing
10. Huddleston, S. (*in press, accepted April 2023*). Development of Comorbidity Index for in-hospital mortality for patients who underwent coronary artery revascularization. *medRxiv*. PMID: 37090644 [doi: 10.1101/2023.04.08.23288311](https://doi.org/10.1101/2023.04.08.23288311)
Define intellectual content, manuscript editing and manuscript review.
11. Siems, C., Huddleston, S. (Lead Author), John, R. (2022). A Brief History of Xenotransplantation. *Annals of Thoracic Surgery*, 113(3), 706-710. PMID: 35168782 [doi: 10.1016/j.athoracsur.2022.01.005](https://doi.org/10.1016/j.athoracsur.2022.01.005)
Defined intellectual content, Conducted literature research, Manuscript editing
12. Aggarwal, R., Jackson, S., Lemke, N., Trager, L., Shumway, S., Kelly, R., Hertz, M., Huddleston, S. (Lead Author) (2022). Time since primary transplant and poor functional status predict survival after redo lung transplant. *Journal of Thoracic Disease*, 14(10), 3819-3830. PMID: 35236625 [doi: 10.21037/jtd-22-334](https://doi.org/10.21037/jtd-22-334)
Defined intellectual content, Conducted literature research, Manuscript editing
13. Loor, G., Huddleston, S. (Lead Author), Hartwig, M., Bottiger, B., Daoud, D., Wei, Q., Zhang, Q., I, F., Warnecke, G., Villaviencio, M., Tirabassi, B., Van Raemdonck, D., Frick, A., Neyrinck, A., Toyoda, Y., Kashem, M., Landeweer, M., Chandrashekar, S. (2022). Effect of mode of intraoperative support on primary graft dysfunction after lung transplant. *Journal of Thoracic and Cardiovascular Surgery*, 164(5). PMID: 35236625 [doi: 10.1016/j.jtcvs.2021.10.076](https://doi.org/10.1016/j.jtcvs.2021.10.076)
Defined intellectual content, Conducted literature research, Manuscript editing
14. Lanigan, M., Siers, D., Wilkey, A., Barakat, A., Shaffer, A., John, R., Knoper, R., Huddleston, S., Kaizer, A., Perry, T. (2022). The Use of a Viscoelastic-Based Transfusion Algorithm Significantly Reduces Non-red Blood Cell Transfusion in Patients Undergoing Left Ventricular Assist Device Placement or Heart Transplantation: A Single-Center Observational Study. *J Cardiothorac Vasc Anesth*, 36(8b). PMID: 35545456 [doi: 10.1053/j.jvca.2022.03.017](https://doi.org/10.1053/j.jvca.2022.03.017)
Defined intellectual content, Conducted literature research, Manuscript editing
15. Huddleston, S. J., Kelly, R. F. (2022). Commentary: Beating the odds Success in extramural funding renewal. *JTCVS Open*, 9. PMID: 36003422 [doi: 10.1016/j.xjon.2021.11.013](https://doi.org/10.1016/j.xjon.2021.11.013)
Defined intellectual content, Conducted literature research, Manuscript editing

16. **Aggarwal, R.**, Jackson, S., Lemke, N., Shumway, S., Kelly, R., Hertz, M., **Huddleston, S. J.** (2021). Lung transplant recipients with prior coronary artery bypass grafting are at increased risk of death and early perioperative hemorrhage. *Seminars in thoracic and cardiovascular surgery*, 21(00244-6), S1043-0679. PMID: 34023526 [doi: 10.1053/j.semtcvs.2021.03.048](https://doi.org/10.1053/j.semtcvs.2021.03.048)
Defined intellectual content, Conducted literature research, Manuscript editing
17. **Huddleston, S. J.**, Shumway, S. (2021). Minimally Invasive Left Atrial Appendage Excision and Atrial Fibrillation Ablation as Secondary Prevention of Thromboembolic Stroke- Weighing the Risk Versus the Benefit. *Seminars in thoracic and cardiovascular surgery*, 33(1), 68-69. PMID: 32966887 [doi: 10.1053/j.semtcvs.2020.09.014](https://doi.org/10.1053/j.semtcvs.2020.09.014)
Defined intellectual content, Conducted literature research, Manuscript editing
18. Huddleston, S. (Lead Author), Kelly, R. (2021). Commentary: Coronary revascularization in patients with left ventricular systolic dysfunction. *Journal of Thoracic and Cardiovascular Surgery*, 161(3), 1033-1034. PMID: 32778463 [doi: 10.1016/j.jtcvs.2020.07.048](https://doi.org/10.1016/j.jtcvs.2020.07.048)
Defined intellectual content, Conducted literature research, Manuscript editing
19. Huddleston, S. (Lead Author), Kelly, R. (2020). The time for change is now. *Annals of Thoracic Surgery*, 20(32052-X), S0003-4975. PMID: 3279537 [doi: 10.1016/j.athoracsur.2020.10.041](https://doi.org/10.1016/j.athoracsur.2020.10.041)
Defined intellectual content, Conducted literature research, Manuscript editing
20. Huddleston, S. (Lead Author), Kelly, R. (2020). Commentary: Del Nido cardioplegia with a "hot shot". *Journal of Thoracic and Cardiovascular Surgery*, 20(33420-6), S0022-5223. PMID: 33485661 [doi: 10.1016/j.jtcvs.2020.12.066](https://doi.org/10.1016/j.jtcvs.2020.12.066)
Defined intellectual content, Conducted literature research, Manuscript editing
21. Huddleston, S. (Lead Author), Jackson, S., Kane, K., Lemke, N., Shaffer, A., Soule, M., Hertz, M., Shumway, S., Qi, S., Perry, T., Kelly, R. (2020). Separate Effect of Perioperative Recombinant Human Factor VIIa Administration and Packed Red Blood Cell Transfusions on Midterm Survival in Lung Transplantation Recipients. *Journal of Cardiothoracic and Vascular Anesthesiology*, 34(11), 3013-3020. PMID: 32718888 [doi: 10.1053/j.jvca.2020.05.038](https://doi.org/10.1053/j.jvca.2020.05.038)
Defined intellectual content, Conducted literature research, Manuscript editing
22. Spratt, J. R. (Lead Author), Mattison, L. M., Kerns, N. K., Huddleston, S., Meyers, L., Iles, T. L., Loor, G., Iazzo, P. A. (2020). Prolonged extracorporeal preservation and evaluation of human lungs with portable normothermic ex vivo perfusion. *Clin Transplantation*, 34(e13801), 34. PMID: 31999865 [doi: 10.1111/ctr.13801](https://doi.org/10.1111/ctr.13801)
Defined intellectual content, Conducted literature research, Manuscript editing
23. Huddleston, S. (Lead Author), Brown, R., Rudser, K., Goswami, U., Tomic, R., Lemke, N. T., Shaffer, A. W., Soule, M. R., Hertz, M., Shumway, S., Kelly, R., Loor, G. (2019). Need for Tracheostomy after Lung Transplant Predicts Decreased Mid- and Long-Term Survival. *Clin Transplantation*, 1(e13766), 34. PMID: 31815320 [doi: 10.1111/ctr.13766](https://doi.org/10.1111/ctr.13766)
Defined intellectual content, Conducted literature research, Manuscript editing
24. Loor, G. (Lead Author), Warnecke, G., Villavicencio, M. A., Smith, M. A., Ardehali, A., Hartwig, M., Daneshmand, M. A., Hertz, M. I., **Huddleston, S. J.**, Haverich, A., Madsen, J. C., Van Raemdonck, D. (2019). Portable normothermic ex-vivo lung perfusion, ventilation, and functional assessment with the Organ Care System on donor lung use for transplantation from extended-criteria donors. *Lancet Respir Med*, 7(11), 975-984. PMID: 31378427 [doi: 10.1016/S2213-2600\(19\)30200-0](https://doi.org/10.1016/S2213-2600(19)30200-0)
Defined intellectual content, Conducted literature research, Manuscript editing
25. Elde, S., **Huddleston, S.**, Jackson, S., Kelly, R., Shumway, S., Loor, G. (2017). Tailored Approach to Surgical Exposure Reduces Surgical Site Complications after Bilateral Lung

- Transplantation. *Surgical Infections*, 18(8), 929-935. PMID: 29053438 [doi: 10.1089/sur.2017.144](https://doi.org/10.1089/sur.2017.144)
Defined intellectual content, Conducted literature research, Manuscript editing
26. **Huddleston, S. J.**, Shumway, S. (2016). Great Institutions in Cardiothoracic Surgery: The University of Minnesota. *Seminars in thoracic and cardiovascular surgery*, 28(3), 712-718. PMID: 28285678 [doi: 10.1053/j.semtcvs.2016.09.002](https://doi.org/10.1053/j.semtcvs.2016.09.002)
Defined intellectual content, Conducted literature research, Manuscript editing
27. Mullenix, P. S., **Huddleston, S. J.**, Stojadinovic, A., Trachiotis, G. D., Alexander, E. P. (2012). A new heart: somatic stem cells and myocardial regeneration. *Journal of surgical oncology*, 105(5), 475-80. PMID: 22441899 [doi: 10.1002/jso.23014](https://doi.org/10.1002/jso.23014)
Defined intellectual content, Conducted literature research, Manuscript editing
28. **Huddleston, S. J.**, Wei Lum, Y., Black, 3rd, J. H., Meneshian, A. (2011). Image of the month: Pulmonary artery pseudoaneurysm. *Archives of surgery (Chicago, Ill. : 1960)*, 146(11), 1331-2. PMID: 22106329 [doi: 10.1001/archsurg.2011.283-a](https://doi.org/10.1001/archsurg.2011.283-a)
Defined intellectual content, Conducted literature research, Manuscript editing
29. Rueth, N. M., Murray, S. E., **Huddleston, S. J.**, Abbott, A. M., Greeno, E. W., Kirstein, M. N., Tuttle, T. M. (2011). Severe electrolyte disturbances after hyperthermic intraperitoneal chemotherapy: oxaliplatin versus mitomycin C. *Annals of surgical oncology*, 18(1), 174-80. PMID: 20614192 [doi: 10.1245/s10434-010-1210-1](https://doi.org/10.1245/s10434-010-1210-1)
Defined intellectual content, Conducted literature research, Manuscript editing
30. Shaw, D., **Huddleston, S. J.**, Beilman, G. (2010). Anterograde intussusception following laparoscopic Roux-en-Y gastric bypass: a case report and review of the literature. *Obesity Surgery*, 20(8), 1191-1194. PMID: 20020221 [doi: 10.1007/s11695-009-0037-y](https://doi.org/10.1007/s11695-009-0037-y)
Defined intellectual content, Conducted literature research, Manuscript editing
31. Whitson, B. A., **Huddleston, S. J.**, Savik, K., Shumway, S. J. (2010). Risk of adverse outcomes associated with blood transfusion after cardiac surgery depends on the amount of transfusion. *The Journal of surgical research*, 158(1), 20-7. PMID: 19181341 [doi: 10.1016/j.jss.2008.10.015](https://doi.org/10.1016/j.jss.2008.10.015)
Defined intellectual content, Conducted literature research, Manuscript editing
32. Kang, J., **Huddleston, S. J.**, Fraser, J. M., Khoruts, A. (2008). De novo induction of antigen-specific CD4+CD25+Foxp3+ regulatory T cells in vivo following systemic antigen administration accompanied by blockade of mTOR. *Journal of leukocyte biology*, 83(5), 1230-9. PMID: 18270248 [doi: 10.1189/jlb.1207851](https://doi.org/10.1189/jlb.1207851)
Defined intellectual content, Conducted literature research, Manuscript editing
33. John, R., Lietz, K., **Huddleston, S. J.**, Matas, A., Liao, K., Shumway, S., Joyce, L., Bolman, R. M. (2007). Perioperative outcomes of cardiac surgery in kidney and kidney-pancreas transplant recipients. *Journal of Thoracic and Cardiovascular Surgery*, 133(5), 1212-1219. PMID: 17467431 [doi: 10.1016/j.jtcvs.2006.11.041](https://doi.org/10.1016/j.jtcvs.2006.11.041)
Defined intellectual content, Conducted literature research, Manuscript editing
34. Whitson, B. A., **Huddleston, S. J.**, Savik, K., Shumway, S. J. (2007). Bloodless cardiac surgery is associated with decreased morbidity and mortality. *Journal of cardiac surgery*, 22(5), 373-8. PMID: 17803571 [doi: 10.1111/j.1540-8191.2007.00428.x](https://doi.org/10.1111/j.1540-8191.2007.00428.x)
Defined intellectual content, Conducted literature research, Manuscript editing
35. Whitson, B. A., Barnett, S. J., **Huddleston, S. J.**, Mohr, W. J. (2006). Pulmonary embolism associated with a vacuum-induced arm compartment syndrome: a setting for increased vigilance. *Journal of burn care & research*, 27(4), 552-4. PMID: 16819365 [doi: 10.1097/01.BCR.0000225914.33926.4C](https://doi.org/10.1097/01.BCR.0000225914.33926.4C)
Defined intellectual content, Conducted literature research, Manuscript editing

36. **Huddleston, S. J.**, Hays, W. S., Filatenkov, A., Ingulli, E., Jenkins, M. K. (2006). CD154+ graft antigen-specific CD4+ T cells are sufficient for chronic rejection of minor antigen incompatible heart grafts. *American journal of transplantation*, 6(6), 1312-9. PMID: 16686755 [doi: 10.1111/j.1600-6143.2006.01309.x](https://doi.org/10.1111/j.1600-6143.2006.01309.x)
Defined intellectual content, Conducted literature research, Manuscript editing
37. Koticha, D. K., **Huddleston, S. J.**, Witkin, J. W., Baldini, G. (1999). Role of the cysteine-rich domain of the t-SNARE component, SYNDET, in membrane binding and subcellular localization. *The Journal of biological chemistry*, 274(13), 9053-60. PMID: 10085154
Defined intellectual content, Conducted literature research, Manuscript editing

Abstract

1. Loor, G., Garcha, P., **Huddleston, S. J.**, Hertz, M., Hartwig, M., Snyder, L., Siddique, A., Strah, H., Kukreja, J., Song, T., Jablonski, R., Smith, M., Walia, R., Arjuna, A., Lozonschi, L., Patel, K., Katlaps, G., Neme, H., Suarez, E., Huang, H., Langer, N., Madsen, J., Lee, A., Dhillon, G., MacArthur, J., Keshavamurthy, S., Nandavaram, S., Daneshmand, M., Neujahr, D., Bush, E., Joyce, D., Ardehali, A., Budev, M., McCurry, K. (2023). *First Report of the Organ Care System (OCS) Thoracic Organ Perfusion (TOP) Post-Approval Registry*.
2. Villavicencio, M., Kashem, A., Loor, G., D'Silva, E., Hartwig, M., Ghadimi, K., Ius, F., Jawad, S., Langer, N., Osho, A., Chandrashekar, S., Machuca, T., Sanchez, P., Subramaniam, K., Van Raemdonck, D., Neyrinck, A., **Huddleston, S. J.**, Shaffer, A., Lahr, B., Toyoda, Y. (2023). *International Multicenter Extracorporeal Life Support in Lung Transplantation Registry. Impact of Cold Ischemic Time on Primary Graft Dysfunction and One-Year Mortality*.
3. Kashem, A., Villavicencio, M., Ius, F., Loor, G., Hartwig, M., Ghadimi, K., Salman, J., Chandrashekar, S., Machuca, T., Sanchez, P., Subramaniam, K., Van Raemdonck, D., Neyrinck, A., Warnick, M., **Huddleston, S. J.**, Osho, A., D'Silva, E., Ramamurthy, U., Leon Pena, A., Salan-Gomez, M., Shaffer, A., Langer, N., Emtiazjoo, A., Toyoda, Y. (2023). *Results of ECLS Support Comparing DCD and DBD Lung Transplantation*.
4. Kashem, A., Villavicencio, M., Van Raemdonck, D., Loor, G., Hartwig, M., Ghadimi, K., Ius, F., Langer, N., Osho, A., Chandrashekar, S., Machuca, T., Sanchez, P., Subramaniam, K., Warnick, M., Neyrinck, A., **Huddleston, S. J.**, Shaffer, A., D'Silva, E., Salman, J., Zhao, H., Leon Pena, A., Salan-Gomez, M., Emtiazjoo, A., Toyoda, Y. (2023). *Utilization of Lung Transplantation in Patients with Covid-19*.
5. Karuppiah, S. (Corresponding Author), Perry, T., Lanigan, M., Wilkey, A., Grissom, K., **Huddleston, S. J.**, John, R., Knoper, R., Shaffer, A. (2021). *Use of Factor and fibrinogen concentrate in Adult cardiac surgery- A Single center retrospective cohort study*. Virtual Experience: Society for the advanced of patient blood management (SABM).
6. Loor, G., Huddleston, S. (Lead Author), Hartwig, M., Bottiger, B., Daoud, D., Wei, Q., Ius, F., Warnecke, G., Villavicencio, M., Tirabassi, B., Machuca, T., Van Raemdonck, D., Frick, A. E., Neyrinck, A., Toyoda, Y., Kashem, M. A., Landeweer, M., Chandrashekar, S. (2021). *ECLS registry research project, Effect of Mode of Support on Primary Graft Dysfunction (PGD): Analysis of an International Multicenter Registry on Extracorporeal Life Support (ECLS) in Lung Transplantation*. Virtual Experience: AATS, American Association for Thoracic Surgery.

7. **Huddleston, S. J. (Lead Author)** (2021). *Time from Start of Agonal Phase to Pulmonary Artery Cross Clamp in Donor Cardiac Death Donors Does Not Correlate with Diminished Recipient Lung Function or Survival*. Virtual Experience: International Society for Heart and Lung Transplantation.
8. Huddleston, S., Shumway, S. (2017). *Great Institutions in Cardiothoracic Surgery: The University of Minnesota*.
9. **Huddleston, S. J.**, Ingulli, E., Jenkins, M. K. (2007). *Delayed gratification: a program of intimal hyperplasia progresses even as graft antigen-specific CD4+ T cells subside*.
10. **Huddleston, S. J. (Lead Author)**, Ingulli, E., Jenkins, M. K. (2007). *IFN- γ production by graft antigen-specific CD4+ T cells is not required for the development of intimal hyperplasia*.
11. **Huddleston, S. J.**, Ingulli, E. (2006). *Rosiglitazone prevents intimal hyperplasia in a murine model of chronic rejection*.
12. **Huddleston, S. J.**, Hays, W. S., Filatenkov, A., Ingulli, E., Jenkins, M. K. (2005). *Intragraft antigen-specific CD4+ T cell-mediated smoldering rejection associated with IFN- γ production*.

Book Chapter

1. **Huddleston, S. J.**, & Shumway, S. J. (2020). Immunology in Thoracic Transplantation. *STS Cardiothoracic Surgery E-Book*. Society of Thoracic Surgeons. ebook.sts.org
Author role: Defined intellectual content, Conducted literature research, Manuscript preparation, Manuscript editing.
2. **Huddleston, S. J.**, **Yuh, D. D.**, Vricella, L. A., Yang, S. C., & Doty, J. R. (2014). Mitral valve replacement. Yuh, D. D. (Ed.), *Textbook of Cardiothoracic Surgery* (2nd ed.).
Author role: Defined intellectual content, Conducted literature research, Manuscript preparation, Manuscript editing.
3. **Huddleston, S. J.**, & Yang, S. C. (2012). Combined cardiac and thoracic procedure. Franco, K., & Thourani, V. (Eds.), *Cardiothoracic Surgery Review*. Wolters Kluwer Health.
Author role: Defined intellectual content, Conducted literature research, Manuscript preparation, Manuscript editing.

Editorial Material

1. Gutierrez, I., & Huddleston, S. (2022). *Discerning the role of diaphragm plication in lung transplantation*. (17:e14712 ed.). Clin Transplantation. PMID: 35580178 [doi: 10.1111/ctr.14712](https://doi.org/10.1111/ctr.14712).
Your Role (for multi-author publications): Defined intellectual content, Conducted literature research, Manuscript editing

Publications Online Ahead of Print

Asterisk() - indicates Co-First Author*

Underline - indicates student author

Peer-Reviewed Publications

1. Siddique, A., Parekh, K., Huddleston, S., Shults, A., Locke, J., Keshavamurthy, S., Schwartz, G., Hartwig, M., Whitson, B. (2023). A call to action in thoracic transplant surgical training. *J Heart Lung Transplant*, S1053-2498(23), 01873-9. PMID: 37268052 [doi: 10.1016/j.healun.2023.05.017](https://doi.org/10.1016/j.healun.2023.05.017)
Defined intellectual content, Conducted literature research, Manuscript editing
2. Huddleston, S. (2023). African Americans have worse outcomes after transcatheter and surgical aortic valve replacement: A national inpatient sample analysis from 2015 to 2020. *J Cardiol*. PMID: 38373538 [doi: 10.1016/j.jjcc.2024.02.003](https://doi.org/10.1016/j.jjcc.2024.02.003)
Defined intellectual content, Conducted literature research, Manuscript editing
3. Huddleston, S. (2023). Impact of lung transplantation on diastolic dysfunction in recipients with pretransplant pulmonary hypertension. *J Thorac Cardiovasc Surg*. PMID: 37741317 [doi: 10.1016/j.jtcvs.2023.09.031](https://doi.org/10.1016/j.jtcvs.2023.09.031)
Define intellectual content, manuscript editing and manuscript review.
4. Huddleston, S. (2023). Smoker's paradox in transcatheter aortic valve replacement: A National Inpatient Sample analysis from 2015 to 2020. *Cardiovasc Revasc Med*. PMID: 38052714 [doi: 10.1016/j.carrev.2023.11.021](https://doi.org/10.1016/j.carrev.2023.11.021)
Define intellectual content, manuscript editing and manuscript review.
5. Huddleston, S. (2023). Weekend Admission is Associated with Higher Kidney Failures after Thoracic Endovascular Aneurysm Repair for Stanford Type B Aortic Dissection. *Vasc Endovascluar Surg*. PMID: 37978945 [doi: 10.1177/15385744231217622](https://doi.org/10.1177/15385744231217622)
Define intellectual content, manuscript editing and manuscript review.

Presentations

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

Underline - indicates student presenter

1. **Huddleston, S. J.** "Standardized National Lung Procurement and OCS Perfusion Management (NOP) vs. Center Specific Process - Impact on Outcomes", ISHLT 43rd Annual Meeting & Scientific Sessions – Virtual Experience, Minneapolis, Minnesota. (April 20, 2023).
2. **Huddleston, S. J.** "Detection of Directly Alloreactive Graft Antigen-Specific CD4+ T Cells in Peripheral Blood", ISHLT 42nd Annual Meeting & Scientific Sessions, Boston, Massachusetts. (April 28, 2022).
3. Ius, F., Van Raemdonck, D., Hartwig, M., Bottiger, B., Loor, G., Daoud, D., Wei, Q., Villavicencio, M., Osho, A., Chandrashekar, S., Machuca, T., Neyrinck, A., Toyoda, Y., Kashem, M. Abul, **Huddleston, S. J.**, Myers, M., Sanchez, P., Ryssel, N., Warnecke, G. "Effect of Surgical Exposure on Outcomes in Lung Transplantation: Insight from the International Multicenter Extracorporeal Life Support (ECLS) in Lung Transplantation Registry", ISHLT 41st Annual Meeting & Scientific Sessions – Virtual Experience, Minneapolis, Minnesota. (April 28, 2021).
4. Villavicencio, M., Kashem, M. Abul, Loor, G., Hartwig, M., Bottiger, B., Ius, F., Daoud, D., Warnecke, G., Wei, Q., Chandrashekar, S., Machuca, T., Van Raemdonck, D., Neyrinck,

- A., **Huddleston, S. J.**, Myers, M., Moonsamy, P., Toyoda, Y. "Impact of Cold Ischemic Time on Morbidity and Mortality after Lung Transplantation. An Updated Analysis of the International Multicenter Extracorporeal Life Support in Lung Transplantation Registry", ISHLT 41st Annual Meeting & Scientific Sessions – Virtual Experience, Minneapolis, Minnesota. (April 25, 2021).
5. Kashem, M. Abul, Loor, G., Hartwig, M., Villavicencio, M., Axtell, A., Sanchez, P., Ryssel, N., Bottiger, B., Daoud, D., Zhao, H., Wei, Q., Bussetty, A., Ius, F., Warnecke, G., Machuca, T., Van Raemdonck, D., Frick, A., Neyrinck, A., Chandrashekar, S., Toyoda, Y., **Huddleston, S. J.** "Interim Results - The Effect of Donor Type (Donor after Cardiac Death vs Donor after Brain Death) and Use of Intraoperative Extracorporeal Lung Support on Survival after Lung Transplantation", ISHLT 41st Annual Meeting & Scientific Sessions – Virtual Experience, Minneapolis, Minnesota. (April 25, 2021).
 6. Richardson, S., Olejniczak, M., Jackson, S., Siers, D., **Huddleston, S. J.** "Predictors of Primary Graft Dysfunction Following Bilateral Lung Transplantation", ISHLT 41st Annual Meeting & Scientific Sessions – Virtual Experience, Minneapolis, Minnesota. (April 25, 2021).
 7. Aggarwal, R., Jackson, S., Lemke, N., **Huddleston, S. J.** "Time from Start of Agonal Phase to Pulmonary Artery Cross Clamp in Donor Cardiac Death Donors Does Not Correlate with Diminished Recipient Lung Function or Survival", ISHLT 41st Annual Meeting & Scientific Sessions – Virtual Experience, Minneapolis, Minnesota. (April 25, 2021).
 8. **Huddleston, S. J.** "Modified Bypass Strategy for Lung Transplant, The Extracorporeal Life Support in Lung Transplantation Committee", 39th Annual Conference of the International Society for Heart & Lung Transplantation, Orlando, Florida, United States. (April 2, 2019).

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

Underline - indicates student presenter

1. **Huddleston, S. J.** "Expanding Access to Donor Lungs with Machine Perfusion Services: Overcoming Challenges and Developing Solutions", American Transplant Congress, American Society of Transplant Surgeons, San Diego, California. (June 3, 2023).
2. **Huddleston, S. J.** "Causes of Death After Lung Transplant Following Coronary Artery Bypass Graft (CABG)", American Transplant Congress, ATC 2019, American Transplant Congress, Boston, Massachusetts, United States. (June 2, 2019).

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

Underline - indicates student presenter

1. **Huddleston, S. J.** "Role of Surgery for Aortic and Mitral Valve Disease in the Face of Increasing Percutaneous Options.", Bakken Symposium 2022, Mitral, Aortic and Tricuspid Valve Therapies: Innovation in Devices and Approaches, University of Minnesota, Minneapolis, Minnesota, United States. (November 18, 2022).
2. **Huddleston, S. J., (Author & Presenter)** "Update Data Collection for Lung Mortality Models: OPTN Lung Transplantation Committee, OPTN Lung Transplantation Committee

- Update", UNOS/OPTN Region 7 Summer Meeting, United Network for Organ Sharing | UNOS, Chicago, Illinois, United States. (September 1, 2022).
3. **Huddleston, S. J., (Author & Presenter)** "Update on Lung Transplantation During the COVID-19 Pandemic.", Altru Grand Rounds, Altru Health System, Minneapolis, Minnesota, United States. (May 25, 2022).
 4. **Huddleston, S. J., (Author & Presenter)** "Update on Lung Transplantation over COVID Years", Grand Rounds, MHealth Fairview, Minneapolis, Minnesota, United States. (March 24, 2022).
 5. **Huddleston, S. J.** "Lung transplantation and COVID-19", Bakken Symposium 2021, Cardiopulmonary Thromboembolic Disease: Insights and Innovations, University of Minnesota, Minneapolis, Minnesota, United States. (November 12, 2021).
 6. **Huddleston, S. J.** "When to Use Nitric Oxide of Flolan or both?", Symposium of perioperative right heart failure in the cardiac surgical patient, Department of Anesthesiology, Minneapolis, Minnesota, United States. (March 13, 2021).
 7. **Huddleston, S. J.** "Mitral Regurgitation: Curing the Disease", Lillehei Symposium, MHealth Fairview, Minneapolis, Minnesota, United States. (September 20, 2020).
 8. **Huddleston, S. J.** "Current status of Ex vivo lung perfusion in lung transplantation", 21st Annual Cutting Edge Conference (Virtual), MHealth Fairview, Minneapolis, Minnesota, United States. (March 9, 2020).
 9. **Huddleston, S. J.** "Tracking Graft Antigen-Specific CD4+ T cells in Lung Transplant Recipients Using Peptide:HLA Tetramers", Research-in-Progress Conference, Division of Pulmonary & Critical Care Medicine at Northwestern, Chicago, Illinois, United States. (March 9, 2020).
 10. **Huddleston, S. J.** "Aortic Root and Ascending Aortic Aneurysms: Open Surgical Repair", Bakken Symposium 2019: Update on Surgical Aortic Disease, University of Minnesota, Minneapolis, Minnesota, United States. (November 8, 2019).
 11. **Huddleston, S. J.** "Immune System, Tolerance and Reject", 20th Annual Cutting Edge Conference: Two Decades of Progress in Transplantation, MHealth Fairview, Minneapolis, Minnesota, United States. (April 11, 2019).
 12. **Huddleston, S. J.** "The Evolving Role of Organ Care Systems in Lung Transplantation", Earl E. Bakken Surgical Device Symposium 2018, MHealth Fairview, Minneapolis, Minnesota, United States. (October 12, 2018).
 13. **Huddleston, S. J.,** International Transplant Nurses Society (ITNS) Dinner, Minneapolis, Minnesota, United States. (April 2018).
 14. **Huddleston, S. J.** "Lung transplant at the University of Minnesota", Sanford Bemidji, MHealth Fairview / Sanford, Minneapolis, Minnesota, United States. (November 30, 2017).
 15. **Huddleston, S. J.** "Tracheostomy after lung transplant predicts mid and long term decreased survival.", 37th Annual Meeting, The International Society for Heart & Lung Transplantation, San Diego, California, United States. (April 2017).
 16. **Huddleston, S. J.** "The history of cardiac surgery at the University of Minnesota: How do we carry the tradition forward?", 31st Annual Meeting, The C Walton and Richard C Lillehei Surgical Society, Houston, Texas, United States. (January 2017).

Poster Abstract Presentations at Professional Meetings, Conferences, etc.

Underline - indicates student presenter

1. **Huddleston, S. J., (Author)** "#7012 Characterization of the Directly Alloreactive Repertoire of Graft Antigen-Specific CD4+ T Cells in Peripheral Blood", American Transplant Congress, American Society of Transplant Surgeons, San Diego, California, United States. (June 3, 2023).
2. **Huddleston, S. J., (Author)** "Impact of National OCS Lung Procurement & Management Program on Post-Transplant Survival - Real World Data from the Thoracic Organ Perfusion (TOP) Post-Approval Registry", ISHLT 43rd Annual Meeting and Scientific Sessions, University of Minnesota, Denver, Colorado, United States. (April 19, 2023).
3. **Huddleston, S. J., (Author)**, Shumway, S. J., (Author) "Great Institutions in Cardiothoracic Surgery: The University of Minnesota", Lillehei Surgical Society, University of Minnesota, Houston, Texas, United States. (January 2017).
4. **Huddleston, S. J.**, Ingulli, E., Jenkins, M. K. "Delayed gratification: a program of intimal hyperplasia progresses even as graft antigen-specific CD4+ T cells subside", ACS Surgical Forum, New Orleans, Louisiana, United States. (October 2007).
5. **Huddleston, S. J.**, Ingulli, E., Jenkins, M. K. "IFN- γ production by graft antigen-specific CD4+ T cells is not required for the development of intimal hyperplasia", 39th Annual Conference of the International Society for Heart and Lung Transplantation, San Francisco, California, United States. (April 2007).
6. **Huddleston, S. J.**, Ingulli, E. "Rosiglitazone prevents intimal hyperplasia in a murine model of chronic rejection", World Transplant Congress, Boston, Massachusetts, United States. (July 2006).
7. **Huddleston, S. J.**, Hays, W. S., Filatenkov, A., Ingulli, E., Jenkins, M. K. "Intragraft antigen-specific CD4+ T cell-mediated smoldering rejection associated with IFN- γ production", American Transplant Congress, Seattle, Washington, United States. (May 2005).

Collaboration and Research in Progress

1. **Huddleston, S. J.** On-Going, "Extracorporeal Life Support (ECLS) Registry".2018 - Present
The primary mission is to maintain a registry of, at least, use of extracorporeal membrane oxygenation in active ELSO centers to support clinical research, regulatory agencies, and individual centers.

TEACHING AND CURRICULUM DEVELOPMENT

Course/Lecture List

University of Minnesota

Guest Lecture, Advanced Cardiac Physiology & Anatomy -
Expanding the Lung Donor Pool

October 2022

Guest Lecture, Advanced Cardiac Physiology & Anatomy -
Expanding the Lung Donor Pool

January 7, 2022

Guest Lecture, Fellowship in Cardiothoracic Surgery, Core Curriculum - Heart Valve Disease VI, CV 16	June 30, 2021
Guest Lecture, Cardiothoracic surgery at the University of Minnesota: Then and now., University of Minnesota	October 27, 2020
Guest Lecture, Advanced Cardiac Physiology & Anatomy - Expanding the donor pool with ex vivo perfusion	January 10, 2020
Guest Lecture, Fellowship in Cardiothoracic Surgery, Core Curriculum - Disorders of the Chest Wall I, II, and III	August 28, 2019
Guest Lecture, Fellowship in Cardiothoracic Surgery, Core Curriculum - Cardiac Conduction System Disorders I, II, CV 22, 23	May 8, 2019
Guest Lecture, Fellowship in Cardiothoracic Surgery, Core Curriculum - Heart Valve Disease VI, CV 16	March 13, 2019
Guest Lecture, Advanced Cardiac Physiology & Anatomy - Expanding the donor pool with ex vivo perfusion	January 10, 2019
Guest Lecture, Fellowship in Cardiothoracic Surgery, Core Curriculum - Benign Lung Conditions II, TS 12	November 21, 2018
Guest Lecture, Fellowship in Cardiothoracic Surgery, Core Curriculum - Cardiopulmonary Bypass/Myocardial Protection/Circulatory Support I, CV 05	May 23, 2018
Guest Lecture, Advanced Cardiac Physiology & Anatomy - Expanding the donor pool with ex vivo perfusion	January 11, 2018
Guest Lecture, Tracking graft antigen-specific CD4+ T cell in lung transplant recipients, University of Minnesota	November 28, 2017
Guest Lecture, Fellowship in Cardiothoracic Surgery, Core Curriculum - Heart Failure and Cardiac Transplant IV, CV30	November 1, 2017
Guest Lecture, Advanced Cardiac Physiology & Anatomy - Expanding the donor pool with ex vivo perfusion	January 12, 2017
Guest Lecutre, Fellowship in Cardiothoracic Surgery, Core Curriculum - Heart Valve Disease I, CV 11	November 23, 2016
<i>American Society of Transplant Surgeons</i>	
ASTS Online Module, Donor Evaluation and Management - Lung Transplantation, Instructor	2021 - Present

ADVISING AND MENTORING

Other Students Activities

Mentor, Medical School Students

Medical Student: 2019
Dwayne Gibbs, Jr.

Post Doc, Resident, and Trainee Supervision/Mentorship

Fellowship in Cardiothoracic Surgery, University of Minnesota, Division of Cardiothoracic Surgery

Atli Valgardsson, M.D.	2024 - 2027
Rachel Schenkel, M.D.	2024 - 2027
Andreas Polycarpou, M.D.	2023 - 2026
Richard Mendez, M.D.	2023 - 2026
Devin Rigg, M.D.	2022 - 2025
Yash Vaidya, M.D.	2022 - 2025
Aitua Salami, M.D., MPH	2021 - 2024
Ankit Verma, M.D.	2021 - 2024
Ranjan Gupta, M.D.	2020 - 2023
Dustin Baker, M.D.	2020 - 2022
Emily Bond, M.D.	2019 - 2022
Joshua Wong, M.D.	2019 - 2022
Azmah Mohammed, M.D.	2018 - 2021
Rachel Heneghan, M.D.	2018 - 2021
Aaron Healy, M.D.	2017 - 2020
Junaid Harroon, M.D.	2017 - 2020
Eric Unger, M.D.	2016 - 2019
Ryan Knoper, M.D.	2016 - 2019
Ilitch Diaz Gultierrez, MD	2015 - 2018
Tyler Spata, MD, MS	2015 - 2018
Andrew Shaffer, MD	2014 - 2017
Matthew Soule, MD	2014 - 2017
Bassam Shukrallah, MD	2013 - 2016
Khaled Algarni, MD	2013 - 2016

Visiting Scholars Hosted

Milan Mijat Savic, MD, Serbia July 2017

SERVICE AND PUBLIC ENGAGEMENT

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

Ad Hoc Reviewer

ISHLT 2024, 44th Annual Meeting & Scientific Sessions, Prague, April 2024
Czech Republic

Abstract Reviewer

The Journal of Thoracic and Cardiovascular Surgery, February 2024
Minneapolis, MN, USA

Manuscript Reviewer, ""Magnified" views of a cardiac surgeon's loupe"

Journal Surgical Research, Minneapolis Abstract Reviewer, "Low socioeconomic status is associated with higher in-hospital mortality in Type A Aortic Dissection"	January 2024
AME Surgical Journal (ASJ), Minneapolis, MN, USA Manuscript Reviewer, "Anesthetic Implications for Intraoperative Use of Cardiopulmonary Bypass ", Manuscript ID: ASJ-23-28	August 2023
Journal of Thoracic Disease, Minneapolis, MN, USA Manuscript Reviewer, "The Role of CD38 in Ischemia Reperfusion Injury in Cardiopulmonary Bypass and Thoracic Transplantation: A Narrative Review", Manuscript ID: JTD-23-725-CL	July 2023
2023 American Transplant Congress, San Diego, CA, United States Abstract Reviewer	June 2023
ASTS, 23rd Annual State of the Art Winter Symposium, Miami, FL, United States Abstract Reviewer	January 2023
ASAIO-22404, XPST™ Jensen Lung as a Low-Cost, High-Fidelity Training Adjunct to Ex-Vivo Lung Perfusion, Minneapolis, MN, United States Manuscript Reviewer	November 2022
ASAIO-22482, Conditional Survival in Lung Transplantation: An OPTN Database Analysis, Minneapolis, MN, United States Manuscript Reviewer	November 2022
ISHLT 2023, 43rd Annual Meeting & Scientific Sessions, Denver, CO, USA Abstract Reviewer	November 2022
Transplantation, Minneapolis, MN, USA Manuscript Reviewer, "Donor lungs contain blood clots of varying age and composition"	August 2022
Journal of Clinical Transplantation, Minneapolis, MN, USA Manuscript Reviewer, "Diaphragmatic Plication among Lung Transplant Patients: A single-center experience"	October 2021
Journal of Thoracic Disease, Minneapolis, MN, USA Manuscript Reviewer, "Meticulous closure of collateral vessels in the perihilar mediastinal pleura to control intraoperative bleeding during lung transplantation for pulmonary hypertension"	July 2021
American Journal of Transplantation, Minneapolis, MN, USA Manuscript Reviewer, Surviving "White-Out" After Lung Transplantation: A Paradigm for the Management of Severe Late Acute Graft Failure	November 2020
40th Anniversary Meeting and Scientific Sessions, International Society of Heart and Lung Transplantation, Canada Abstract Reviewer	April 2020
Co-chair 2023 American Transplant Congress, San Diego, CA, United States Abstract Category Co-Chair	June 2023
Grant Reviewer National Heart, Lung, and Blood Institute (NHLBI), NIH Special Emphasis Panel, Minneapolis, MN, USA Review applications submitted for the Early Phase Clinical Trials for	March 2024

Therapeutics and/or Diagnostics (R61/R33 Clinical Trial Required)
(PAR-21-119, PAR-21-118).

American Heart Association FY24 Fellowship Award, November 2023
Minneapolis, MN, USA

Evaluate applications for FY24 Fellowship Award

NIH Respiratory Sciences, Small Business Activities Special November 2022
Emphasis Panel - ZRG1 CVRS-B(11) Panel., Minneapolis, MN,
USA

Evaluate applications for the Respiratory Sciences (SBIR/STTR)
October/November round.

Member

OCS Lung TOP Registry Steering Committee 2018 - Present

SOT Research & Education Committee Meeting 2016 - Present

OPTN Lung Transplantation Committee: Regional Representative July 1, 2022 - June 30, 2025

Moderator

Earl E Bakken Medical Device Symposium, Session I Panel November 12, 2021
Discussion, Minneapolis, MN

39th Annual Conference of International Society for Heart & April 6, 2019
Lung Transplantation - SESSION 82: Donor Lung Management:
Can We Do Better?, Orlando, FL

Bakken Symposium - Session 3 – Clinical Innovation and New December 7, 2017
Technologies., Minneapolis, Minnesota

Service to the University/College/Department

Department

University of Minnesota

Member, CT Fellowship Clinical Competency Committee 2017 - Present

International Footprint Activities

**Summary of activities flagged as international (items also included by type in report above).*

Presentations

Ius, F., Van Raemdonck, D., Hartwig, M., Bottiger, B., Loor, G., Daoud, D., Wei, Q., Villavicencio, M., Osho, A., Chandrashekar, S., Machuca, T., Neyrinck, A., Toyoda, Y., Kashem, M. Abul, **Huddlestone, S. J.**, Myers, M., Sanchez, P., Ryssel, N., Warnecke, G. "Effect of Surgical Exposure on Outcomes in Lung Transplantation: Insight from the International Multicenter Extracorporeal Life Support (ECLS) in Lung Transplantation Registry", ISHLT 41st Annual Meeting & Scientific Sessions – Virtual Experience, Minneapolis, Minnesota. (April 28, 2021).

Villavicencio, M., Kashem, M. Abul, Loor, G., Hartwig, M., Bottiger, B., Ius, F., Daoud, D., Warnecke, G., Wei, Q., Chandrashekar, S., Machuca, T., Van Raemdonck, D., Neyrinck, A., **Huddlestone, S. J.**, Myers, M., Moonsamy, P., Toyoda, Y. "Impact of Cold Ischemic Time on Morbidity and Mortality after Lung Transplantation. An Updated Analysis of the International

Multicenter Extracorporeal Life Support in Lung Transplantation Registry", ISHLT 41st Annual Meeting & Scientific Sessions – Virtual Experience, Minneapolis, Minnesota. (April 25, 2021).

Kashem, M. Abul, Loor, G., Hartwig, M., Villavicencio, M., Axtell, A., Sanchez, P., Ryssel, N., Bottiger, B., Daoud, D., Zhao, H., Wei, Q., Bussetty, A., Ius, F., Warnecke, G., Machuca, T., Van Raemdonck, D., Frick, A., Neyrinck, A., Chandrashekar, S., Toyoda, Y., **Huddleston, S. J.** "Interim Results - The Effect of Donor Type (Donor after Cardiac Death vs Donor after Brain Death) and Use of Intraoperative Extracorporeal Lung Support on Survival after Lung Transplantation", ISHLT 41st Annual Meeting & Scientific Sessions – Virtual Experience, Minneapolis, Minnesota. (April 25, 2021).

Richardson, S., Olejniczak, M., Jackson, S., Siers, D., **Huddleston, S. J.** "Predictors of Primary Graft Dysfunction Following Bilateral Lung Transplantation", ISHLT 41st Annual Meeting & Scientific Sessions – Virtual Experience, Minneapolis, Minnesota. (April 25, 2021).

Aggarwal, R., Jackson, S., Lemke, N., **Huddleston, S. J.** "Time from Start of Agonal Phase to Pulmonary Artery Cross Clamp in Donor Cardiac Death Donors Does Not Correlate with Diminished Recipient Lung Function or Survival", ISHLT 41st Annual Meeting & Scientific Sessions – Virtual Experience, Minneapolis, Minnesota. (April 25, 2021).

Huddleston, S. J. "Modified Bypass Strategy for Lung Transplant, The Extracorporeal Life Support in Lung Transplantation Committee", 39th Annual Conference of the International Society for Heart & Lung Transplantation, Orlando, Florida, United States. (April 2, 2019).

Collaboration and Research/Creative Activity in Progress

Huddleston, S. J. On-Going, "Extracorporeal Life Support (ECLS) Registry". 2018 - Present 2018 - Present

The primary mission is to maintain a registry of, at least, use of extracorporeal membrane oxygenation in active ELSO centers to support clinical research, regulatory agencies, and individual centers.

The primary mission is to maintain a registry of, at least, use of extracorporeal membrane oxygenation in active ELSO centers to support clinical research, regulatory agencies, and individual centers.

Discipline/Profession/Interdisciplinary Areas

39th Annual Conference of International Society for Heart & Lung Transplantation - SESSION 82: Donor Lung Management: Can We Do Better?, Orlando, FL April 6, 2019