

## **Curriculum Vitae**

Silke Verena Haustein Niederhaus, M.D.  
University of Maryland Medical Center

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### **Contact Information**

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Foreign Languages:         English, German, French, Latin

### **Education**

1996-1999    B.S., Biology, summa cum laude, University of Alabama, Tuscaloosa, AL  
1999-2003    M.D., University of Alabama School of Medicine, Birmingham, AL

### **Post-Graduate Education and Training**

2003-2010    Surgical Internship and Residency, University of Wisconsin-Madison, WI  
2005-2007    Post-doctoral Fellowship, University of Wisconsin-Madison, WI  
2007            Clinical Investigators Preparatory Program  
2010-2012    Fellowship, Abdominal Transplant, University of Wisconsin-Madison, WI

### **Work Experience**

2012-2015    Assistant Professor of Surgery, Department of Surgery, Division of  
   Transplantation, University of Maryland Medical Center  
2015-            Clinical Assistant Professor of Surgery, Department of Surgery, Division of  
   Transplantation, University of Maryland Medical Center

### **Certifications**

2011            American Board of Surgery (#56130, expires 7-1-2021)

### **Professional Society Memberships**

1999-2012    American Medical Association  
1999-present    The University of Alabama National Alumni Association  
2003-present    Association for Academic Surgery  
2005-present    American Society of Transplantation  
2010-present    American Society of Transplant Surgeons  
2011-present    International Pancreas and Islet Transplant Association

2016-present Membership and Outreach Committee member  
2011-present The Transplantation Society  
2012-present American College of Surgeons

### **Honors and Awards**

1997 Golden Key, University of Alabama  
1997 Cardinal Key, University of Alabama  
1997 Alpha Lambda Delta, University of Alabama  
1997 Phi Eta Sigma, University of Alabama  
1997-1999 Capstone Men and Women, University of Alabama Historian  
1997-1999 Alpha Epsilon Delta, Premedical Honor Society, University of Alabama  
1998-present Phi Beta Kappa, University of Alabama  
1998 Omicron Delta Kappa, University of Alabama, Secretary  
1998 Mortar Board, University of Alabama  
1998 Blue Key Honor Fraternity, University of Alabama  
1998 The XXXI, Women's Honor Society, University of Alabama  
1999 Alumni Student Award, University of Alabama  
1999 Anderson Society, University of Alabama  
2003-present Alpha Omega Alpha, University of Alabama School of Medicine  
2003 Association for Academic Surgery Medical Student Research Award  
2006-2008 ASTS Roche Laboratories Scientist Award  
2008 Best Third-Year Resident on Transplant Award  
2011 ATC Young Investigator Award, ATC 2011 Philadelphia, PA  
2011 IPITA Travel Grant, awarded based on excellence of abstract score  
2012 ASTS Top Poster of Distinction Award (12<sup>th</sup> Annual State of the Art Winter Symposium)

### **Research Activities**

2000 Summer Research Program, R. Patterson Bucy, M.D., Ph.D., University of Alabama at Birmingham, Department of Pathology. Investigated the role of cyclosporine A sensitivity and T-cell receptor avidity in relationship to chronic allograft rejection.  
2013 NKF Mini-Grant  
2013 LLF Grant  
2015 NKF Career Development Grant  
2015 LLF Career Development Grant

### **Administrative Service**

2013-2015 Member, University of Maryland Medical Center Information Management Committee  
2014- present Member, University of Maryland Medical Center Forms Committee  
2014-2015 Assisted converting transplant order sets and note templates to EPIC/Portfolio

## **Local and National Service**

### **Local Service**

- 1999-2001 Alabama Organ Center High School Education Program  
2000-2001 Vice President, American Medical Association Medical Student Section Chapter, University of Alabama School of Medicine  
2001-2003 Assistant Children's Choir Director, Oak Mountain Presbyterian Church  
2003-2005 Youth Group Leader, Lake Trails Presbyterian Church  
2005-2007 Middle School Sunday School Teacher, Lake Trails Presbyterian Church  
2005-2007 Resident Bible Study Leader  
2006 Volunteer, Touch Team, Passion 2006, Nashville, TN  
2006-2007 Christian Medical Association Journey Group Leader  
2007 Volunteer, Touch Team, Passion 2007, Atlanta, GA  
2008 Volunteer, Passion Regional Tour 2008, Chicago, IL  
2009 Volunteer, Student Prayer Team, Passion 2010, Atlanta, GA  
2011 Volunteer, Touch Team, Passion 2011, Fort Worth, TX  
2013-2014 Information Management Committee Member, University of Maryland Medical Center  
2014-present BridgeKids Volunteer, Bridgeway Community Church, Columbia, MD

### **National Service**

- 2012 American Journal of Transplantation assisted with editing list of key words  
2013-16 Ad-hoc Reviewer for *Transplantation* (2 articles)  
2013-16 Ad-hoc Reviewer for *American Journal of Transplantation* (7 articles)  
2013-15 Ad-hoc Reviewer for *Annals of Surgery* (1 article)  
2013-16 Ad-hoc Reviewer for *Clinical Transplantation* (7 articles)  
2014-16 Ad-hoc Reviewer for *American Journal of Nephrology* (3 articles)  
2014 World Transplant Congress Abstract Reviewer (1 session)  
2013 American Transplant Congress Abstract Reviewer (1 session)  
2013-14 Member, ASTS Grants Committee  
2012-15 Member, UNOS Pancreas Transplant Committee, Region 2 Representative, Subcommittee Chair (Pancreas Underutilization and Facilitated Pancreas Allocation)  
2016-19 Member, UNOS Pancreas Transplant Committee, At-Large Member and Subcommittee Chair (Pancreas Underutilization and Facilitated Pancreas Allocation)  
2015 Reviewer for Transplant International  
2015 American Transplant Congress Abstract Reviewer (1 session)

## **Teaching and Mentoring**

Transplant Fellows: 1. Gelu Osian, MD 2012-2013  
2. Sunil Karhadkar, MD 2012-2014  
3. Sushant Chaudhary, MBBS 2013-2015  
4. Eric Siskind, MD 2014-2016  
5. Samuel Sultan, MD 2015-2017

Medical Students: 1. Garrett Greenan (2017)  
2. Tara Talaie (2017)

Undergraduate Students: 1. Assad Hayat (2015)

### Lectures:

**SV Niederhaus.** “Liver Transplantation.” (presented at University of Maryland Medical Center October 19, 2012; January 14, 2013; April 22, 2013)

**SV Niederhaus.** Endocrinology Grand Rounds: “Transplantation of the Pancreas” (presented at University of Maryland Medical Center December 10, 2012)

**SV Niederhaus.** Transplant Grand Rounds: “UNOS 101” (presented at UMMC 12/3/12)

**SV Niederhaus.** “Abdominal Transplant Lecture” (presented at University of Maryland Medical Center December 12, 2013, November 13, 2014, January 27, 2015, April 3, 2015)

**SV Niederhaus.** “Kidney and Pancreas Transplants” (presented at University of Maryland Midtown Hospital January 9, 2014)

**SV Niederhaus.** “The New Kidney Allocation System” (presented at NANT meeting at York Hospital October 6, 2014 and at Holy Cross Hospital Grand Rounds on September 23, 2014).

**SV Niederhaus.** “Resident Journal Club Leader” (presented at University of Maryland Medical Center December 11, 2014).

**SV Niederhaus** “Transplant Boot Camp” (presented at University of Maryland Medical Center February 9, 2016).

### Peer-reviewed Journal Articles

1. **SV Haustein**, BM McGuire, DE Eckhoff, JS Bynon, MT Sellers. “Impact of Noncompliance and Donor/Recipient Race Matching on Chronic Liver Rejection.” *Transplantation Proceedings*. 34(5):1497-8, August 2002.
2. MT Sellers, **SV Haustein**, BM McGuire, CL Jones, JS Bynon, AG Diethelm, and DE Eckhoff. “Use of Preserved Vascular Homografts in Liver Transplantation: Hepatic Artery Aneurysms and other Complications.” *American Journal of Transplantation*. 2(5):471-5, May 2002.
3. **SV Haustein**, H Chen. “Tertiary Hyperparathyroidism after Renal Transplantation.” *Formosan Journal of Surgery* 37(6):249-53; December 2004.
4. MT Sellers, BM McGuire, **SV Haustein**, JS Bynon, SL Hunt, DE Eckhoff. “Two-dose Daclizumab Induction Therapy in 209 Liver Transplants: a Single-Center Analysis.” *Transplantation*. 78(8):1212-7, October 2004.
5. **SV Haustein** and MT Sellers. “Factors Associated with (Un-)Willingness to be an Organ Donor: Importance of Public Exposure and Knowledge.” *Clinical Transplantation*. 18(2):193-200, April 2004.

6. **SV Haustein**, E Mack, JR Starling, Herbert Chen. "The Role of Intraoperative Parathyroid Hormone Testing in Patients with Tertiary Hyperparathyroidism after Renal Transplantation" *Surgery* 138:1066-71, December 2005.
7. JH Fechner, **SV Haustein**, SJ Knechtle. "Immunosuppression in Nonhuman Primates." *Transplantation Reviews* 20(3):131-138, 2006.
8. **SV Haustein**, AJ Kolterman, JJ Sundblad, JH Fechner, SJ Knechtle. "Nonhuman primate infections after organ transplantation." *ILAR Journal* 149(2):209-19, 2008.
9. **SV Niederhaus**, DD Bloom, Z Chang, H Hu, SM Bartosh, and SJ Knechtle. "Cytokine Kinetics Profiling in Pediatric Renal Transplant Recipients." *Pediatric Transplantation* 14(5):636-45, 2010.
10. **S Haustein**, J Kwun, J Fechner, A Kayaoglu, JP Faure, D Roenneburg, J Torrealba, and SJ Knechtle. "Interleukin-15 Receptor Blockade in Non-Human Primate Kidney Transplantation" *Transplantation* 27;89(8):937-44, 2010.
11. JM Bellingham, C Santhanakrishnan, N Neidlinger, P Wai, J Kim, **S Niederhaus**, GE Levenson, LA Fernandez, DP Foley, JD Mezrich, JS Odorico, RB Love, N De Oliveira, HW Sollinger, AM D'Alessandro. "Donation after Cardiac Death (DCD): A Twenty-Nine Year Experience." *Surgery* 150(4):692-702, 2011.
12. **SV Niederhaus**, B Muth, DF Lorentzen, P Wai, JD Pirsch, M Samaniego-Picota, GE Levenson, AM D'Alessandro, HW Sollinger, A Djamali. "Luminex-based desensitization protocols: the University of Wisconsin initial experience." *Transplantation* 92(1):12-7, 2011.
13. **SV Niederhaus**, DB Kaufman, and JS Odorico. "Induction therapy in pancreas transplantation." *Transplant International* [epub ahead of print], April 30, 2013.
14. **SV Niederhaus**, GE Levenson, D Lorentzen, D Robillard, HW Sollinger, JD Pirsch, JR Torrealba, JS Odorico. "Acute Cellular and Antibody Mediated Rejection of the Pancreas Allograft: Incidence, Risk Factors, and Outcomes." *American Journal of Transplantation*. Accepted for publication July 18, 2013.
15. **Niederhaus SV**. "Pancreas Transplant Alone." *Current Opinion in Organ Transplantation*.
16. Ahmad S, Inouye B, Phelan MS, Kramer AC, Sulek J, Weir MR, Barth RN, Lamattina JC, Schweitzer ES, Leeser DB, **Niederhaus SV**, Bartlett ST, Bromberg JS. "Live Donor Renal Transplant with Simultaneous Bilateral Nephrectomy for Autosomal Polycystic Kidney Disease (APKD): a 10-Year Retrospective Comparison." *Transplantation*.

### **Abstracts and/or Proceedings**

1. **SV Haustein**, BM McGuire, DE Eckhoff, JS Bynon, and MT Sellers. "Impact of Noncompliance and Donor/Recipient Race Matching on Chronic Liver Rejection." Proceedings of the 2<sup>nd</sup> International Congress on Immunosuppression. December 2001.
2. MT Sellers, **SV Haustein**, BM McGuire, JS Bynon, and DE Eckhoff. "Impact of Recipient Noncompliance on Chronic Rejection of Liver Allograft." Proceeding of Transplant Immunosuppression 2001: The Complete Care of the Transplant Recipient. October 2001.
3. MT Sellers, **SV Haustein**, BM McGuire, DE Eckhoff, CL Jones, SL Hudson, and JS Bynon. "Incidence and Multivariate Analysis of Risk Factors for Chronic Rejection of Hepatic Allografts." *Liver Transplantation* 7:C82. June 2001.

4. **SV Hauste**in and MT Sellers. "Characteristics Associated with (Un-)Willingness to be an Organ Donor: Results of a Public Survey." *American Journal of Transplantation* (suppl. 3) 2:208, April 2002.
5. MT Sellers, BM McGuire, **SV Hauste**in, JS Bynon, SL Hudson, and DE Eckhoff. "Long-term Follow-up of Daclizumab Induction in Liver Transplant Recipients." *American Journal of Transplantation* (suppl. 3) 2:463, April 2002.
6. **SV Hauste**in, DD Bloom, ZC Davis, H Hu, SM Bartosh, and SJ Knechtle. "Cytokine Kinetic Profiling in Children after Renal Transplantation." (presented at ATC 2006; Toronto, CA.)
7. **SV Hauste**in, JJ Sundblad, J Kwun, DA Roenneburg, GE Levenson, H Hu, JR Torrealba, and SJ Knechtle. "Cytokine and Chemokine Production Differ in Acute Rejection and Recurrent Hepatitis C after Liver Transplantation." (presented at ATC 2006; Toronto, CA.)
8. JH Fechner, S Hazinedaroglu, AJ Crumbaugh, J Kwun, **SV Hauste**in, H Hu, L Peterson, S Mandala, J DeMartino, SJ Knechtle. "Combined Use of a S1P Agonist and a CCR5 Antagonist Leads to Renal Allograft Prolongation in Non-Human Primates." (presented at WTC 2006; Boston, MA.)
9. **SV Niederhaus**. "Vascular Access for Hemodialysis" Department of Surgery Grand Rounds (presented at University of Wisconsin October 22, 2008)
10. **SV Niederhaus**. "The Alphabet of Surgery" Department of Surgery Grand Rounds (presented at University of Wisconsin February 3, 2010)
11. **S Niederhaus**, G Levenson, D Lorentzen, D Robillard, J Pirsch, J Torrealba, J Odorico. "AMR of the Pancreas and the Significance of DSA." (presented at IPITA 2011; Prague, Czech Republic.)
12. **SV Niederhaus**, GE Levenson, DJ Robillard, YT Becker, JM Bellingham, JD Pirsch, HW Sollinger, JR Torrealba, JS Odorico. "Incidence of and Risk Factors for Antibody Mediated Rejection of the Pancreas Allograft." (presented at ATC 2011; Philadelphia, PA.)
13. **SV Niederhaus**, B Muth, GE Levenson, DJ Robillard, JD Pirsch, HW Sollinger, A Djamali, JD Mezrich. "Lupus is a Risk Factor for Sensitization in Kidney Transplantation." (presented at ATC 2011; Philadelphia, PA.)
14. **SV Niederhaus**, JS Odorico, GE Levenson, DJ Robillard, JM Bellingham, YT Becker, HW Sollinger, JD Pirsch, JR Torrealba. "Pancreas Antibody Mediated Rejection: Correlation of Donor Specific Antibodies and C4d Staining of the Allograft." (presented at ATC 2011; Philadelphia, PA.)
15. JR Torrealba, **S Niederhaus**, M Gurney, D Roenneburg, J Pirsch, H Sollinger, M Samaniego, A Djamali. "Pre and Post-Transplant Histologic Parameters Associated with Kidney Allograft Outcomes." (presented at ATC 2011; Philadelphia, PA.)
16. **SV Niederhaus**, G Levenson, HW Sollinger, JR Torrealba, JS Odorico. Impact of Antibody-Mediated Rejection on Pancreatic Allograft Function. (presented at ASTS Winter Meeting 2012; Miami, FL.)
17. **SV Niederhaus**, M Gurney, G Levenson, HW Sollinger, JR Torrealba, DP Foley. Histologic Scoring Of Pre-Transplant Donor Kidney Biopsies Is Predictive Of Outcomes After Kidney Transplantation. (presented at the University of Wisconsin Department of Surgery Research Summit 2012).
18. **SV Niederhaus**. "Pancreas Transplantation" Division of Endocrinology Grand Rounds (presented at University of Maryland Medical Center December 10, 2012)
19. **SV Niederhaus**, L Thompson, G Hil, and DB Leeser. Maximizing Living Donor Transplants through National PKE Programs. (presented at ASTS Winter Meeting 2014; Miami, FL).

20. Rosenberry T, Schweitzer E, **Niederhaus S**, Scalea J and Leeser DB. “Use of Artergraft in Salvage of Arteriovenous Fistula for Dialysis.” (presented at Vascular Access Society of America, Dallas, TX May 2014).
21. Rosenberry T, Schweitzer E, **Niederhaus S** and Leeser DB. “Projecting Medical Center Assets to Improve Vascular Access in Rural Areas.” (presented at Vascular Access Society of America, Dallas, TX May 2014).
22. Rosenberry T, Schweitzer E, Bartlett S, **Niederhaus S** and Leeser DB. “Leveraging medical system assets to bring specialty transplant care to rural areas.” (presented at American Transplant Congress, San Francisco, CA May 2014).
23. Ahmad S, Inouye B, Phelan MS, Kramer AC, Sulek J, Weir MR, Barth RN, Lamattina JC, Schweitzer ES, Leeser DB, **Niederhaus SV**, Bartlett ST, Bromberg JS. “Live Donor Renal Transplant with Simultaneous Bilateral Nephrectomy for Autosomal Polycystic Kidney Disease (APKD): a 10-Year Retrospective Comparison.” (presented at 2015)
24. Greenan G, Leeser A, Anders M, Bromberg JS, and **Niederhaus SV**. “Does Marijuana Use Lead to Poor Outcomes After Kidney Transplantation?” (presented at ASTS Winter Meeting 2015; Miami, FL).
25. Famulski KS, **Niederhaus S**, Bromberg JS and Halloran PF. “In pre-implantation biopsies expression of micro RNA is not a good surrogate for established mRNA markers of kidney injury.” (presented at ATC 2015, Philadelphia, PA).
26. Ahmad S, Siskind EJ, Drachenberg C, Bromberg JS, and **Niederhaus SV**. “A Prospective Comparison of the Completeness of Donor Kidney Biopsies.” (presented at ATC 2015, Philadelphia, PA, oral presentation).
27. Famulski KS, **Niederhaus S**, Reeve J, Bromberg JS and Halloran PF. “Gene expression profiles indicate that many discarded kidneys are potentially transplantable.” (presented at ATC 2015, Philadelphia, PA).
28. Carrico R, Fridell J, Odorico JS, Stratta R, Tyler K, **Niederhaus S**, Kandaswamy R, Fisher J, Olaitan O, Mujtaba, M. “Can post-transplant C-Peptide be used as an indicator of pancreas graft failure?” (presented at ATC 2015, Philadelphia, PA).
29. Carrico R, Fridell J, Odorico J, Yeh H, Tyler K, **Niederhaus S**. “Timing of Decline in Pancreas Transplant Volumes Corresponds to Decline in Size of Pancreas Waiting List.” (presented at ATC 2015, Philadelphia, PA).
30. Famulski KS, **Niederhaus S**, Reeve J, Bromberg JS and Halloran PF. “Molecular Score of Acute Kidney Injury Identifies Discarded Kidneys That Are Potentially Transplantable” (presented at ASN 2015, San Diego, CA).
31. Famulski KS, **Niederhaus S**, Reeve J, Bromberg JS and Halloran PF. “Many Discarded Kidneys Are Similar to Kidneys Accepted for Transplantation as Judged by Their Histologic Lesions and Molecular AKI Scores” (*to be* presented at American Transplant Congress June 16, 2016, Boston, MA).
32. Carrico R, Fridell J, Odorico JS, **Niederhaus S**, MD. “Is facilitated pancreas allocation effective?” (*to be* presented at American Transplant Congress June 2016, Boston, MA).

### **Proffered Communications**

1. **SV Haustein**, DD Bloom, ZC Davis, H Hu, SM Bartosh, and SJ Knechtle. Cytokine Kinetic Profiling in Children after Renal Transplantation, presented at ATC 2006; Toronto, CA (poster presentation)

2. **SV Haustein**, JJ Sundblad, J Kwun, DA Roenneburg, GE Levenson, H Hu, JR Torrealba, and SJ Knechtle. Cytokine and Chemokine Production Differ in Acute Rejection and Recurrent Hepatitis C after Liver Transplantation, presented at ATC 2006; Toronto, CA (poster presentation)
3. **S Niederhaus**, G Levenson, D Lorentzen, D Robillard, J Pirsch, J Torrealba, J Odorico. AMR of the Pancreas and the Significance of DSA, presented at IPITA 2011; Prague, Czech Republic, (poster presentation)
4. **SV Niederhaus**, B Muth, GE Levenson, DJ Robillard, JD Pirsch, HW Sollinger, A Djamali, JD Mezrich. Lupus is a Risk Factor for Sensitization in Kidney Transplantation, presented at ATC 2011; Philadelphia, PA (poster presentation)
5. **SV Niederhaus**, JS Odorico, GE Levenson, DJ Robillard, JM Bellingham, YT Becker, HW Sollinger, JD Pirsch, JR Torrealba. Pancreas Antibody Mediated Rejection: Correlation of Donor Specific Antibodies and C4d Staining of the Allograft, presented at ATC 2011; Philadelphia, PA, (poster presentation)
6. **SV Niederhaus**. “AMR of the Pancreas: Is the black cat really bad luck?” Transplant Grand Rounds, presented at University of Wisconsin, October 31, 2011 (oral presentation)
7. A Sele, V Vidyasagar, M Mohamed, A Djamali, J Odorico, H Sollinger, G Levenson, J Pirsch. “Should Type 1 Diabetic Patients Undergoing Transplant Evaluation Routinely Have Cardiac Angiography?” presented for Dr. Sele at IPITA 2011; Prague, Czech Republic (oral presentation)
8. **SV Niederhaus**, GE Levenson, DJ Robillard, YT Becker, JM Bellingham, JD Pirsch, HW Sollinger, JR Torrealba, JS Odorico. “Incidence of and Risk Factors for Antibody Mediated Rejection of the Pancreas Allograft.” presented at ATC 2011; Philadelphia, PA (oral presentation)
9. **SV Niederhaus**. “UNOS 101” Transplant Grand Rounds presented at University of Wisconsin, March 14, 2011 (oral presentation)
10. **SV Niederhaus**, G Levenson, HW Sollinger, JR Torrealba, JS Odorico. Impact of Antibody-Mediated Rejection on Pancreatic Allograft Function, presented at ASTS Winter Meeting 2012; Miami, FL (poster presentation)
11. **SV Niederhaus**, M Gurney, G Levenson, HW Sollinger, JR Torrealba, DP Foley. Histologic Scoring Of Pre-Transplant Donor Kidney Biopsies Is Predictive Of Outcomes After Kidney Transplantation. (presented at the University of Wisconsin Department of Surgery Research Summit 2012)
12. **SV Niederhaus**. “Transplant Surgeon Has Someone Else’s Kidney.” Published online August 7, 2013, accessed on August 13, 2013 at 11:02am at <http://us.cnn.com/2013/08/07/health/human-factor-silke-niederhaus/index.html>
13. **SV Niederhaus**. “Pancreas transplant alone.” *Curr Opin Organ Transplant* 20(1):115-20, 2015.

### **Book Chapters**

1. **Niederhaus SV** and D’Alessandro AM. Chapter 54. Textbook of Organ Transplantation.
2. Scalea JR, Seaton M, and **Niederhaus SV**. Organ Transplantation. NMS Surgery, 6<sup>th</sup> edition