

# Jayce Sudweeks

Curriculum Vitae

August 31, 2019

## Office:

Department of Public and Nonprofit Studies  
Georgia Southern University  
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## EDUCATION

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2019 PhD., Public Administration, North Carolina State University, Raleigh, NC  
1995 M.S., Molecular Biology, Brigham Young University, Provo, UT  
1992 B.S., Molecular Biology, Brigham Young University, Provo, UT

## PUBLICATIONS

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### Refereed Journal Articles

- 2018 Nowell, B., Velez, A., Hano, M.C., Sudweeks, J., Albrecht, K., Steelman, T. (2018). Studying Networks in Complex Problem Domains: Advancing Methods in Boundary Specification. *Perspectives on Public Management and Governance*. 1(4):273-282. <https://doi-org.prox.lib.ncsu.edu/10.1093/ppmgov/gvx015>
- 2018 Baltzegar, J., Cavin Barnes, J., Elsensohn, J., Gutzman, N., Jones, M.S., King, S., Sudweeks, J. (2018). Anticipating Complexity in the Deployment of Gene Drive Insects in Agriculture. *Journal of Responsible Innovation*. 5(sup1), S81-S97. <https://doi.org/10.1080/23299460.2017.1407910>
- 1999 Butterfield R, Blankenhorn E, Roper R, Zachary J, Doerge R, Sudweeks J, Rose J, Teuscher C. (1999). Genetic analysis of disease subtypes and sexual dimorphisms in mouse experimental allergic encephalomyelitis (EAE): relapsing/remitting and monophasic remitting/nonrelapsing EAE are immunogenetically distinct. *Journal of Immunology*. 62(5):3096-102.
- 1998 Butterfield R, Sudweeks J, Blankenhorn E, Korngold R, Marini J, Todd J, Roper R, Teuscher C. (1998). New genetic loci that control susceptibility and symptoms of experimental allergic encephalomyelitis in inbred mice. *Journal of Immunology*. 161(4):1860-7.

- 1995 Meeker N, Hickey W, Korngold R, Hansen W, Sudweeks J, Wardell B, Griffith J, Teuscher C. (1995). Multiple loci govern the bone marrow-derived immunoregulatory mechanism controlling dominant resistance to autoimmune orchitis. *Proceedings of the National Academy of Science USA*. 92(12):5684-8.
- 1995 Wardell B, Michael S, Tung K, Todd J, Blankenhorn E, McEntee K, Sudweeks J, Hansen W, Meeker ND, Griffith JS, Teuscher C. (1995). Aod1, the immunoregulatory locus controlling abrogation of tolerance in neonatal thymectomy-induced autoimmune ovarian dysgenesis, maps to mouse chromosome 16. *Proceedings of the National Academy of Science USA*. 92(11):4758-62.
- 1995 Livingstone KD, Sudweeks JD, Blankenhorn EP, Hickey WF, Teuscher C. (1995). Susceptibility to actively-induced murine experimental allergic encephalomyelitis is not linked to genes of the T cell receptor or CD3 complexes. *Autoimmunity*. 21(3):195-201.
- 1994 Teuscher C, Meeker N, Livingstone K, Sudweeks J, Griffith J, Wardell B, Hickey W. (1994). Experimental allergic orchitis in mice. VII. Preliminary characterization of the aspermatogenic autoantigens responsible for eliciting actively and passively induced disease. *Journal of Reproductive Immunology*. 26(3):233-49.
- 1993 Sudweeks J, Todd J, Blankenhorn E, Wardell B, Woodward S, Meeker N, Estes S, Teuscher C. (1993). Locus controlling Bordetella pertussis-induced histamine sensitization (Bphs), an autoimmune disease-susceptibility gene, maps distal to T-cell receptor beta-chain gene on mouse chromosome 6. *Proceedings of the National Academy of Science USA*. 90(8):3700-4.
- 1992 Wardell B, Sudweeks J, Meeker N, Estes S, Woodward S, Teuscher C. (1992). The identification of Y chromosome-linked markers with random sequence oligonucleotide primers. *Mammalian Genome*. 4(2):109-12.
- 1992 Woodward S, Sudweeks J, Teuscher C. (1992). Random sequence oligonucleotide primers detect polymorphic DNA products which segregate in inbred strains of mice. *Mammalian Genome*. 3(2):73-8.

#### **Edited Volumes, Special Issues, and Books**

- 2018 Delborne, J., Kuzma, J., Gould, F., Frow, E., Leitschuh, C., & Sudweeks, J. (2018). Mapping research and governance needs for gene drives. *Journal of Responsible Innovation*. 5(sup1), S4–S12.  
<https://doi.org/10.1080/23299460.2017.1419413>

## **Book Chapters**

- 2014 Sudweeks, J. D. (2014). Instructor's Manual and Test Bank for *Public Administration: Understanding Management, Politics, and Law in the Public Sector*, 8th Edition, by David H. Rosenbloom, Robert S. Kravchuk and Richard M. Clerkin. New York: McGraw Hill.

## **Encyclopedia Entries**

- 2016 Sudweeks, J.D. Science and Technology Policy (2016). *American Governance*. Ed. Stephen L. Schechter. 5 vols. Farmington Hills, Mich.: Macmillan Reference.

## **Other Publications**

- 2018 Delborne, J.A., Binder, A.R., Rivers, L., Barnes, J.C., Barnhill-Dilling, S.K., George, D., Kokotovich, A., and Sudweeks, J. (2018). Biotechnology, the American Chestnut Tree, and Public Engagement (Workshop Report). Genetic Engineering and Society Center, North Carolina State University. <http://go.ncsu.edu/ges-chestnut-report>
- 2017 Gutzman, N., Elsensohn, J.E., Barnes, J.C., Baltzegar, J., Jones, M.S., Sudweeks, J. (2017) CRISPR-based gene drive in agriculture will face technical and governance challenges. EMBO rep, e201744661. doi:10.15252/embr.201744661

## **Manuscripts in Preparation**

Sudweeks & Valdez. A Narrative Policy Framework Character Analysis of the Policy Narratives Surrounding the Release of Genetically Modified Mosquitoes. Targeting *Policy Studies Journal* for December 2019 submission

Sudweeks, J.D. Utilizing the Narrative Policy Framework to Analyze Nonprofit Involvement in the Policy Decisions to Release Genetically Modified Mosquitoes. Targeting *Nonprofit and Voluntary Sector Quarterly* for January 2019 submission

Sudweeks, Varkey & Clerkin. Five Nonprofit Leadership Challenges: A Proposed Typology of Common Issues that Nonprofit Leaders Face. Targeting *Nonprofit Management & Leadership* for November 2019 submission

## **AWARDS AND HONORS**

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- 2018 Inducted into Pi Alpha Alpha, the Global Honor Society for Public Affairs and Administration, North Carolina State University, Raleigh, NC (2018)
- 2014 First place in Policy and Practices Track, International Genetically Engineered Machines (iGEM) competition, Boston, MA (2014)

## **GRANTS AND FELLOWSHIPS**

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- 2016 – 2019 National Science Foundation Grant– “Restoring Biotechnology’s Moral Fiber? Genetically Modified American Chestnut Trees, Responsible Innovation, and Environmental Justice” Aug 2016-Jul 2019
- 2014-2017 National Science Foundation Integrative Graduate Education and Research Traineeship (IGERT), North Carolina State University, Raleigh, NC (2014 – 2017)
- 2014-2015 University Graduate Fellowship, North Carolina State University, Raleigh, NC (2014 – 2015)

## **INVITED TALKS**

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- 2018 Examining the Policy Narratives Surrounding the Release of Genetically Modified Mosquitoes. Brigham Young University, Provo, UT, April 26, 2018.

## **CONFERENCE ACTIVITY/PARTICIPATION**

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### **Conferences Organized**

- 2018 Biotechnology, the American Chestnut Tree, and Public Engagement: A Stakeholder Workshop. North Carolina State University, Raleigh, NC, April 25 – 26, 2018.

### **Papers Presented**

- 2018 Sudweeks, J.D. Genetically Modified Mosquito- Ok in Brazil, But Not The US: An Application of the Narrative Policy Framework to Better Understand the Involvement of Nonprofits in the Policy Process. Midwest Political Science Association (MPSA), Chicago, IL, April 5 – 8, 2018.
- 2017 Sudweeks, J.D. Utilizing the Narrative Policy Framework to Analyze Nonprofit Involvement in the Policy Decisions to Release Genetically Modified Mosquitoes. Association for Research on Nonprofit Organizations and Voluntary Action (ARNOVA), Grand Rapids, MI, November 16 – 18, 2017.
- 2017 Sudweeks, J.D. Understanding Narratives Surrounding the Genetically Modified American Chestnut Tree Through the Narrative Policy Framework. Meeting of the Society for the Social Studies of Science (4S), Boston, MA, August 30 – September 7, 2017.

- 2017 Nowell, B., Velez, A., Hano, M.C., Sudweeks, J., Albrecht, K., Steelman, T. Studying Networks in Complex Problem Domains: Advancing Methods in Boundary Specification. Academy of Management (AoM) Annual Meeting, Atlanta, GA, August 4 – 8, 2017.
- 2017 Sudweeks, J.D. Should We Let Them Go: A Narrative Policy Framework Analysis of the Policy Narratives Surrounding the Release of Genetically Modified Mosquitoes. Midwest Political Science Association (MPSA) Annual Conference, Chicago, IL, April 6 – 9, 2017.
- 2015 Sudweeks J, Clerkin R. Factors Affecting Nonprofit Professional Solicitation Returns in North Carolina. Association for Research on Nonprofit Organizations and Voluntary Action (ARNOVA), Chicago, Illinois, November 19 – 21, 2015.
- 2015 Nowell B, Velez A, Hano M, Sudweeks J, Albrecht K. Investigating Network Boundaries in Complex Problem Domains: A Tale of Three Networks. Public Management Research Association (PMRA) Conference, Minneapolis, Minnesota, June 11- 13, 2015.
- 2014 Clerkin R, Riestler M, Sudweeks J, Walton M, Penbrooke T. Tension in Nonprofits: Developing a Theoretical Model. Association for Research on Nonprofit Organizations and Voluntary Action (ARNOVA), Denver, Colorado, November 20 – 22, 2014.
- 2014 Sudweeks J, Knight A, Clerkin R. An Exploration of Nonprofit Solicitation Practices in North Carolina. Southern Conference of Public Administration (SECoPA), Atlanta, Georgia, September 17 – 20, 2014.
- 1992 Sudweeks J, Todd J, Blankenhorn E, Woodward S, Teuscher C. The Locus Controlling *Bordetella pertussis* Induced Histamine Sensitivity (*Bphs*), An Autoimmune Disease Susceptibility Gene, Maps to Murine Chromosome 6. 6<sup>th</sup> International Mouse Genome Conference, Buffalo, New York, October 11-15, 1992.
- 1992 Sudweeks J, Woodward S, Teuscher C. Random Sequence Oligonucleotide Primers Detect Polymorphic DNA Products Which Segregate in Inbred Strains of Mice. Annual Meeting of Intermountain Branch of American Society for Microbiology, Dugway, UT. April 11, 1992.
- 1991 Sudweeks J, Woodward S, Teuscher C. The Utilization of Random Amplified Polymorphic DNA (RAPD) Sequences in the Analysis of the Murine Genome. 5<sup>th</sup> International Workshop on Mouse Genome Mapping, Lunteren, Netherland. October 14-18, 1991.

#### **CAMPUS OR DEPARTMENT TALKS**

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- 2017 Examining the Policy Narratives Surrounding the Release of Genetically Modified Mosquitoes. North Carolina State University Genetic Engineering and Society Colloquium, Raleigh, NC. September 19, 2017

2017 Understanding GMO Policy Debates from the Policy Process Viewpoint. North Carolina State University Genetic Engineering and Society Colloquium, Raleigh, NC. March 28, 2017

## **TEACHING EXPERIENCE**

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### **Georgia Southern University**

Introduction to Nonprofit Management (Undergraduate)	Online Fall 2019
International Nongovernmental Organizations (Undergraduate)	Online Fall 2019
Nonprofit Administration (Graduate)	Fall 2019

### **North Carolina State University**

Introduction to Nonprofits (Undergraduate)

(Instructor of Record, Online Fall 2018)  
(Instructor of Record, Online Summer 2018)  
(Instructor of Record, Online Spring 2018)  
(Instructor of Record, Fall 2017)  
(Teaching Assistant, Spring 2017)

### **Brigham Young University**

Genetics and Molecular Biology (Undergraduate) Instructor of Record, Fall 1995

Cellular Biology Lab (Undergraduate) Instructor, Fall and Winter 1991- 1993

## **RESEARCH EXPERIENCE**

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2017- 2019 Research Assistant, Institute for Nonprofits, North Carolina State University, Raleigh, NC

2017 Research Assistant, Genetic Engineering and Society Center, North Carolina State University, Raleigh, NC. Acted as focus group moderator for NSF grant examining how organizations envision responsible innovation in biotechnology.

2015 – 2016 Research Assistant, Genetic Engineering and Society Center, North Carolina State University, Raleigh, NC. Helped organize and moderate two international conferences on the governance of gene drives.

2013- 2014 Research Assistant, Institute for Nonprofits, North Carolina State University, Raleigh, NC. Assisted in research and establishment of Institute's Social Entrepreneurship program

### **SERVICE TO PROFESSION**

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Co-Editor *Journal of Responsible Innovation*, Special Edition on Gene Drives. 2016 – 2018.

Editor *Philanthropy Journal*, Institute for Nonprofits, North Carolina State University, Raleigh, NC. 2014

### **ADDITIONAL TRAINING**

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2018 International Spring School on Public Policy, International Public Policy Association, University of Colorado Denver, Denver, CO. May 21 -25, 2018

2016 Narrative Policy Framework Workshop, European Consortium for Political Research, Budapest, Hungary. August 8 – 12, 2016.

2014 Social Network Analysis: An Introduction, ICPSR Summer Program in Quantitative Methods of Social Research, University of Michigan. June 16 – 20, 2014

### **NONACADEMIC WORK**

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2018 – 2019 Genome & Society Advisor, Genome BC, Vancouver, BC Canada  
2010 – 2013 Global IT Manager, ModusLink, Inc., India, Europe, USA, Asia, Mexico  
2008 – 2010 Global Business Systems Analyst, ModusLink, Inc., Europe, USA, Asia, Mexico  
2004 – 2008 Program Manager, ModusLink, Inc., Lindon, UT and Raleigh, NC  
2003 – 2004 Financial Services Advisor, Beneficial Financial Group, Enumclaw, WA  
2001 – 2003 Director of Program Management, Modus Media International, Preston, WA  
2000 – 2001 Program Manager, Modus Media International, Preston, WA  
1999 – 2000 Business Process Engineer, Modus Media International, Lindon, UT  
1998 – 1999 Call Center Supervisor, Modus Media International, Lindon, UT  
1996 – 1999 Small Retail Business Owner, Imagination (comics/game store), Provo, UT

### **LANGUAGES**

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Advanced Proficiency in Spanish

**PROFESSIONAL MEMBERSHIPS OR AFFILIATIONS**

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Association for Research on Nonprofit Organizations and Voluntary Action (ARNOVA)

Midwest Political Science Association (MPSA)

Pi Alpha Alpha, The Global Honor Society for Public Affairs and Administration