

**JESSICA NICHOLS SNOWDEN, MD, MS, MHPTT**



1/26/2023

Horace C. Cabe Distinguished Chair in Pediatric Infectious Disease  
Professor and Division Chief, Pediatric Infectious Disease  
Vice Dean for Research, UAMS College of Medicine  
[jsnowden@uams.edu](mailto:jsnowden@uams.edu)  
[jessanic@gmail.com](mailto:jessanic@gmail.com)  
501-251-7475

---

**Current Appointments**

*University of Arkansas for Medical Sciences (UAMS)*  
2022- Vice Dean for Research  
UAMS College of Medicine  
2021 - Professor with Tenure  
Department of Pediatrics  
Department of Biostatistics  
2021 – Translational Research Institute, co-Director, Workforce  
Development  
2020 – Division Chief, Pediatric Infectious Disease  
Horace C. Cabe Distinguished Chair for Infectious  
Diseases  
2018 – Principal Investigator  
Data Coordinating & Operations Center  
ECHO IDeA States Pediatric Clinical Trial Network  
Little Rock, AR

*Other Current Appointments*

2018 – Voluntary Faculty  
Department of Pediatrics  
University of Nebraska Medical Center (UNMC)  
Omaha, NE

---

**Summary of Skills and Accomplishments**

- **Leadership success**

- (1) Successful launch and completion of multiple clinical trials; and refunding of the ECHO ISPCTN after stabilizing the struggling Data Coordinating and Operations Center and driving culture change to establish Network identity and strategy;
- (2) Leveraging ECHO ISPCTN authority and expertise to establish second 14-state clinical research network for pediatric post-COVID-19 research (NIH-RECOVER);
- (3) Infectious Disease division growth to twice the number of faculty after high turnover under prior leadership; improvement from lowest to highest ranking in

faculty engagement and resilience; and greatest improvement in patient satisfaction scores across all divisions;

(4) Facilitating academic pediatrician identities and skills in faculty across multiple institutions through individual and institution level influence, resulting in new grant funding for multiple teams; and

(5) Leveraged Vice Dean role and multisite research experience to drive research funds flow changes across the medical center campus (5 colleges) to improve research revenue, investigator satisfaction, and timeliness of invoicing and contracting with outside entities.

- **Research program excellence** in clinical and basic sciences, resulting in over \$100 million in external funding as a PI over the last 12 years for
  - (1) Investigator initiated basic science research on neuroimmunology and development of a novel murine model of infant central nervous system device infection; and
  - (2) Pediatric clinical research network coordinating center awards, including the ECHO ISPCTN and RECOVER PASC pediatric collaboratives
- **Educational program expertise**
  - (1) Leadership roles and curriculum development at the undergraduate and graduate medical education level;
  - (2) Multiple teaching awards;
  - (3) Masters degree in Health Professions Teaching and Technology, focused specifically on adults learners in health professions; and
  - (4) Certified trainer for the Center for Improvement of Mentored Experiences in Research (CIMER, University of Wisconsin)
- **Nationally recognized clinical expertise** in pediatric infectious disease, with 13 years of clinical experience; multiple national roles and extensive media presence related to pediatric infectious disease clinical expertise; and transdisciplinary clinical leadership within the hospital system during the COVID-19 pandemic

---

## **Education**

2016 – 2018	University of Nebraska Medical Center <b>Masters of Science, Clinical Translational Research</b> Omaha, NE
2015 – 2018	University of Nebraska Medical Center <b>Masters in Health Professions Teaching and Technology</b> Omaha, NE
1998 – 2002	Texas A&M College of Medicine <b>MD, Honor graduate</b> College Station, TX / Temple, TX *Note: Texas A&M Medical Science Scholars Combined BS/MD program
1996 – 2000	Texas A&M University <b>Bachelor of Science, Medical Sciences</b> College Station, TX

---

## **Prior Academic Appointments**

2019 – 2022	Director for Clinical and Translational Research Arkansas Children's Research Institute
-------------	--

2019 – 2022	Little Rock, AR Vice Chair for Research Department of Pediatrics UAMS, Little Rock, AR
2018 – 2021	Associate Professor Department of Pediatrics University of Arkansas for Medical Sciences (UAMS) Little Rock, AR
2015 – 2018	Associate Professor Department of Pediatrics Division of Infectious Disease Department of Pathology/Microbiology (Courtesy appointment) University of Nebraska Medical Center Omaha, NE
2009 - 2015	Assistant Professor Department of Pediatrics Division of Infectious Disease Department of Pathology/Microbiology (Courtesy appointment) University of Nebraska Medical Center Omaha, NE
2009 – 2018	Assistant Clinical Professor Department of Pediatrics Creighton University Medical Center Omaha, NE
2005 – 2006	Clinical Instructor, Chief Resident Department of Pediatrics Division of General Pediatrics East Carolina University Greenville, NC

### **Prior Institutional Leadership Roles**

2016 – 2018	Principal Investigator, Director Nebraska Pediatric Clinical Trials Unit Omaha, NE
2016 – 2018	Pediatric Infectious Disease Fellowship Program Director University of Nebraska Medical Center Omaha, NE

### **Post-Degree Training**

2006 – 2009	Pediatric Infectious Disease Fellowship University of Arkansas for Medical Sciences Little Rock, AR
2002 – 2005	East Carolina University / University Health Systems Pediatric Residency Greenville, NC

### **Leadership/Scientific Training**

2022	Center for the Improvement of Mentored Experiences in Research (CIMER), Certified trainer; University of Wisconsin-Madison
------	--

2021 – present	<i>Hedwig van Ameringen</i> Executive Leadership in Academic Medicine (ELAM) program (by competitive application)
2020 – 2021	Infectious Disease Society of America Leadership Institute (by competitive application)
2018	AAMC Mid-Career Women in Medicine and Science Seminar, Atlanta GA (by competitive application)
2014 - 2015	Emerging Physician Leadership Program, Children’s Hospital & Medical Center of Omaha
2013	AAMC Early Career Women in Medicine and Science Seminar, Denver CO (by competitive application)
2012	Grant Training Center: Writing/Designing NIH Proposals, Lawrence KS
2012	NINDS New Neuroscience Faculty Conference, Cold Springs Harbor NY (by invitation)
2010	AAI Advanced Course in Immunology, Minneapolis MN

---

### **Certifications and licenses**

2019 – present	Medical License, Oklahoma #34760
2018 – present	Medical License, Arkansas #E-5009
2009 - present	Medical License, Nebraska #25211
2009 - present	American Board of Pediatrics, Infectious Disease #1178
2005 - present	DEA license #BN9310789
2005 - present	American Board of Pediatrics Certification, #084492
2006 - 2009	Medical License, Arkansas #E-5009
2005 - 2006	Medical License, North Carolina #2005-00733
2002 - 2005	Medical Training License, North Carolina

---

### **Selected Honors and awards**

2022	American Pediatric Society, elected
2022	American Academy of Pediatrics Special Achievement Award
2021	Diane S. Mackey Quality Award (Arkansas Children’s)
2021	Arkansas Power Women 2021, Arkansas Money & Politics
2021	Robert H. Fiser, Jr. Research Achievement Award
2021	AAMC MOSAIC Mentor: One of 8 selected mentors in US for AAMC MOSAIC program
2021	Alpha Omega Alpha Honor Medical Society Member
2021	Arkansas Biosciences Institute New Investigator Award, University of Arkansas for Medical Sciences
2020	Horace C. Cabe Endowed Chair in Infectious Disease, University of Arkansas for Medical Sciences
2020	UAMS Research Academy Mentor
2017	Cho Endowed Lecturer, Kansas University Medical Center
2017	Fellow, Pediatric Infectious Disease Society
2017	UNMC-Creighton University Pediatric Resident Program Outstanding Faculty Teacher
2017	UNMC New Investigator Award
2017	Fellow, American Academy of Pediatrics

2016	UNMC Interprofessional Academy of Educators, Inaugural class
2016	Fellow, Infectious Disease Society of America
2014	Society for Pediatric Research, elected
2014	Hobart E. Wiltse Excellence in Medical Education Award, UNMC Department of Pediatrics
2013	UNMC Chancellor's Council Silver 'U' Award
2013	AAMC Early Career Women in Medicine Seminar
2010 - 2019	NIH Loan Repayment Program Awardee, Pediatric Research
2006	Outstanding Faculty Teaching Award, ECU
1996 – 2002	Texas A&M Medical Science Scholar

### **Memberships and offices in professional societies/national organizations**

2022 – present	American Pediatric Society <b>Elected</b>
2022 – present	NIH RECOVER Steering Committee
2022 – present	Pediatric Infectious Disease Society, Research Affairs Committee <b>Chair</b>
2021 – present	Pediatric Infectious Disease Society, Nominations and Awards Committee <b>Elected</b>
2021 – present	Society for Pediatric Research, Young Investigator Award Selection Committee <b>Chair</b> ( <i>Member since 2019</i> )
2021 – present	Alpha Omega Alpha Honor Medical Society <b>Elected</b>
2021 – present	Pediatric Infectious Disease Society, Program and Meetings Committee
2020 – present	American Academy of Pediatrics, Committee on Pediatric Research <b>Competitive application</b>
2020 – present	Pediatric Infectious Disease Society Inclusion, Diversity, Access and Equity Task Force
2020 – present	Arkansas Chapter American Academy of Pediatrics, Research Liaison <b>Appointed</b>
2018 – 2021	Society for Leukocyte Biology, Professional Development Committee
2018 – present	NIH ECHO IDeA States Pediatric Clinical Trials Network Publications Committee
2016 – 2023	Infectious Disease Society of America Research Affairs Committee
2016 – present	NIH ECHO IDeA States Pediatric Clinical Trials Network Leadership Committee
2016 – present	NIH IDeA States Pediatric Clinical Trials Network Steering Committee
2016 – 2018	Society for Leukocyte Biology, Women & Diversity Committee
2015 – 2018	Pediatric Infectious Disease Society, Training Program Committee
2014 – present	Society for Pediatric Research <b>Elected</b>
2014 – present	St. Jude/PIDS Pediatric Infectious Disease Research Meeting, Planning Committee
2014 – 2021	Pediatric Infectious Disease Society, Research Affairs Committee
2013 – present	Society for Leukocyte Biology
2006 – present	Pediatric Infectious Disease Society, <b>Fellow</b>
2006 – present	Infectious Disease Society of America, <b>Fellow</b>
2002 – present	American Academy of Pediatrics, <b>Fellow</b>

## Current University and Hospital Committee Assignments

2021 – present	Arkansas Children’s Workforce Planning Committee
2021 – present	Arkansas Children’s Patient Care Oversight Committee
2020 – 2022	UAMS Institutional Biosafety Committee (IBC), member
2019 - present	UAMS Institutional Review Board (IRB), member
2019 – present	UAMS Women’s Faculty Development Caucus, Mentoring Committee
<i>Selected prior committee assignments</i>	
2016 – 2018	Children’s Hospital Omaha Medical Executive Committee, Member-at-large
2016 – 2018	UNMC Interprofessional Academy of Educators
2016 – 2018	UNMC Graduate Medical Education Committee
2015 – 2018	UNMC Training Physicians of Tomorrow, Curriculum committee <ul style="list-style-type: none"><li>○ Microbiology “Invaders” foundations</li><li>○ Infectious disease synthesis</li><li>○ Pediatric synthesis</li></ul>
2015 – 2018	UNMC Department of Pediatrics Research Committee
2015 – 2018	Summer Health Professions Education Program, Executive Committee (formerly Summer Medical Dental Education Program)
2014 – 2018	UNMC Pediatric Infectious Disease Fellowship Program Clinical Competency Committee, <b>Chair</b>
2014 – 2018	UNMC Pediatric Infectious Disease Fellowship Program Evaluation Committee, <b>Chair</b>
2013 – 2018	UNMC Pediatric Residency Program Evaluation Committee

---

## Grant support

Active (\$63 million, PI)

1. Data Coordinating and Operations Center (DCOC) for the IDeA States Pediatric Clinical Trials Network.  
Funding Agency: National Institutes of Health, 8U24OD024957-02  
Start and end dates: 09/01/2020 - 08/31/2025  
Total dollars: \$ 39,414,024  
Principal Investigators: **Jessica Snowden**, Song Ounpraseuth
2. ECHO Administrative Supplement – Neonatal Opioid Trials.  
Funding Agency: National Institutes of Health, 3U2COD023375-4S1  
Start and end dates: 9/21/2019-8/31/2020 \*Renews annually through 2024  
Total dollars: \$1,066,433  
Principal Investigators: **Jessica Snowden**, Jeannette Lee; Brian Smith, overall PI
3. Expanding Translational Research in Arkansas. (CTSA)  
Funding Agency: National Institutes of Health, National Center for Advancing Translational Sciences, 5UL1TR003107  
Total dollars: \$20,560,905  
Principal Investigator: Laura James; Co-Investigator: **Jessica Snowden**

4. Regional Pediatric Pandemic Network  
Funding Agency: HRSA  
Principal Investigator: Charles Macias; Consultant: **Jessica Snowden**
5. The NIH ECHO Recovery Cohort for Describing and Evaluating Risks for PASC in US Children.  
Funding Agency: National Institutes of Health, NHLBI  
Total dollars: \$22,000,000  
Principal Investigator: **Jessica Snowden**

Prior/Completed (\$46.3 million)

1. Attenuated inflammation in *S. epidermidis* CNS infection is protective in infants.  
Funding Agency: National Institutes of Health, National Institute of Neurologic Disorders and Stroke, R01 Research Project Grant, 5R01NS092732-02  
Start and end dates: April 2016 – March 2021  
Total dollars: \$1,646,095  
Principal Investigator: **Jessica Snowden**
2. Data Coordinating and Operations Center (DCOC) for the IDeA States Pediatric Clinical Trials Network.  
Funding Agency: National Institutes of Health, 8U24OD024957-02  
Start and end dates: 09/23/2016 - 08/31/2020  
Total dollars: \$41,724,805  
Principal Investigators: **Jessica Snowden**, Jeannette Lee
3. Pediatric COVID-19 Seroprevalence in Arkansas  
Funding Agency: State of Arkansas  
Start and end dates: 5/1/2020 – 12/31/2020  
Total dollars: \$386,320 (Pediatric award)  
Principal Investigator: **Jessica Snowden**; Sub-award to UAMS overall award
4. Improving Pediatric Clinical Research Competency Through Interactive E-learning Modules.  
Funding Agency: UAMS Department of Pediatrics, Innovations in Pediatric Medical Education.  
Start and end dates: June 2019 – June 2020  
Total dollars: \$25,000  
Principal Investigators: Sheva Chervinskiy, Rebecca Cantu; Mentor **Jessica Snowden**
5. Rapid Genomic Sequencing of Pneumococcal Meningitis Isolates.  
Funding Agency: National Institutes of Health, 1UG1HD090876, Arkansas Center for Advancing Pediatric Therapeutics Junior Investigator Award  
Start and end dates: December 2019 – August 2020  
Total dollars: \$25,000  
Principal Investigator: Timothy Onarecker, Mentor **Jessica Snowden**
6. Retrospective Review of the Effects of the Biofire Meningitis/Encephalitis Panel on Pediatric Practice.  
Funding Agency: Pediatric Research Fund

Start and end dates: October 2017 – September 2018  
Total dollars: \$5,000  
Principal Investigator: Aleisha Nabower  
Mentor: **Jessica Snowden**

7. Nebraska Pediatric Clinical Trials Unit.  
Funding Agency: National Institutes of Health, NICHD, IDeA States Pediatric Clinical Trials Network Clinical Site, 1 UG1 HD090903-01.  
Start and end dates: September 2016 – August 2020.  
Total dollars: \$1,610,901  
Principal Investigator: **Jessica Snowden** (resigned as PI 3/2018)
8. Biomarkers to diagnose CSF shunt infection.  
Funding Agency: Pediatric Research Fund  
Start and end dates: July 2016 – June 2017  
Total dollars: \$5,000  
Principal Investigator: Gwenn Skar  
Mentor: **Jessica Snowden**
9. Using a commercially available real time PCR system to diagnose CNS shunt infections.  
Funding Agency: Pediatric Research Fund  
Start and end dates: July 2015 – June 2016  
Total dollars: \$5,000  
Principal Investigator: Gwenn Skar  
Mentor: **Jessica Snowden**
10. Key role for inflammatory monocytes and macrophages in response to central nervous system catheter infection.  
Funding Agency: Pediatric Research Fund  
Start and end dates: April 2015 – March 2016  
Total dollars: \$50,000  
Principal Investigator: **Jessica Snowden**
11. Defining the role of IL10 in neonatal *S. epidermidis* biofilm infections in the CNS.  
Funding Agency: Edna Ittner Pediatric Research Fund  
Start and end dates: September 2013 – September 2014  
Total dollars: \$40,000  
Principal Investigator: **Jessica Snowden**
12. *S. epidermidis* CNS Biofilm Infections and Anti-inflammatory Immune Responses.  
Funding Agency: Cheryl Ann Lozier Memorial Research Fund  
Start and end dates: October 2012 – October 2013  
Total dollars: \$20,000  
Principal Investigator: **Jessica Snowden**
13. Characterization of a novel murine model of central nervous system catheter infection.  
Funding Agency: NIH Mentored Clinical Scientist Research Career Development Award (1K08NS069812-01).  
Start and end dates: May 2010 – April 2015  
Total dollars: \$836,000  
Principal Investigator: **Jessica Snowden**



14. Development and characterization of a novel murine model of central nervous system catheter infection.

Funding Agency: Children's University Medical Group (CUMG) Award

Start and end dates: June 2008 – June 2009

Total dollars: \$6000

Principal Investigator: **Jessica Nichols**

### **Clinical Trials / Other Research**

2021 – present	MoVeUP: Improving COVID-19 Vaccine Uptake Using mHealth Tools <b>Operational Principal Investigator</b> (Full operational oversight for multisite trial) Individually randomized multisite trial assessing impact of geographically & demographically targeted app intervention versus passive app content on pediatric COVID-19 vaccine uptake 15-state IDeA States Pediatric Clinical Trials Network clinical trial
2021 – present	Reduction of indoor air pollution with high efficiency particulate air filtration to decrease respiratory symptom burden after hospitalization for bronchiolitis <b>Operational Principal Investigator</b> (Full operational oversight for multisite trial) Individually randomized multisite trial assessing impact of indoor air filtration on long-term wheezing following bronchiolitis 10-state IDeA States Pediatric Clinical Trials Network clinical trial
2021 – 2023	MoVeUP: Improving COVID-19 Vaccine Uptake Using mHealth Tools, A qualitative study <b>Operational Principal Investigator</b> (Full operational oversight for multisite trial) Qualitative study of vaccine attitudes in rural and underserved families to inform an upcoming mHealth interventional trial 5-site IDeA States Pediatric Clinical Trials Network clinical trial
2020 – 2022	Pediatric COVID-19 Seroprevalence in Arkansas Statewide study using a research COVID-19 antibody platform to assess COVID-19 seroprevalence in children ages 1-18 <b>Principal Investigator</b>
2020 – 2021	Infectious Disease Society of America COVID-19 Registry Task Force Collaborative to create 1) central repository of open-access COVID-19 clinical registries; 2) framework for optimal common data elements across COVID-19 registries and data mapping for these elements in existing registries <b>Task Force Member</b>
2020 – present	Antibodies Defining Response to SARS-CoV-2 in Population Exposure Testing (ADaPT)

	<p><b>Co-investigator</b> (PI J Kennedy) Single- center study piloting novel antibody testing for SARS-CoV-2</p>
2020 – present	<p>Pharmacokinetics, Pharmacodynamics, and Safety Profile of Understudied Drugs Administered to Children Per Standard of Care <b>Co-investigator</b> (PI L James) Multisite trial collecting opportunistic pharmacokinetic data on multiple medications in children, including an urgent focus on COVID-19 therapeutic agents</p>
2019 – 2021	<p>iAmHealthy Feasibility Pilot <b>Operational Principal Investigator</b> (Full operational oversight for multisite trial) Mobile health obesity treatment in rural children 4-site IDeA States Pediatric Clinical Trials Network clinical trial</p>
2019 – present	<p>Eating, Sleeping, Consoling for Neonatal Opioid Withdrawal (ESC-NOW): a Function-Based Assessment and Management Approach <b>Operational Principal Investigator</b> (Training, Central IRB oversight for multisite trial) Cluster randomized unit-wide practice change to assess impact of ESC care tool versus usual care on length of stay in infants with Nows 24-site clinical trial collaboration between IDeA States Pediatric Clinical Trials Network and NICHD Neonatal Research Network</p>
2019 – present	<p>Randomized Blinded Trial to Shorten Pharmacologic Treatment of Newborns with Neonatal Opioid Withdrawal Syndrome (Nows) <b>Operational Principal Investigator</b> (Central IRB oversight for multisite trial) Individual randomized controlled trial to assess impact of slow versus rapid opioid weaning in infants with Nows 24-site clinical trial collaboration between IDeA States Pediatric Clinical Trials Network and NICHD Neonatal Research Network</p>
2018 – 2022	<p>Vitamin D Supplementation in Children with Obesity Related Asthma (VDORA1) <b>Operational Principal Investigator</b> (Full operational oversight for multisite trial) Pharmacokinetics of vitamin D supplementation in obese children with asthma, to inform a future efficacy trial in obesity-related asthma 15-site IDeA States Pediatric Clinical Trials Network clinical trial</p>

### **Consulting Positions & Scientific Review**

2022 – present	External Advisory Committee, Oklahoma University Health Science Center Center for Translational Research
2022 – present	Pfizer steering committee of Pediatricians and Pediatric Infectious Disease Specialists for Pediatric Vaccination

2021 – present	Internal Advisory Committee, University of Arkansas for Medical Sciences Masters of Clinical and Translational Research program
2020 – present	External Advisory Committee, University of Nebraska Medical Center Masters in Health Professions Teaching and Technology program
2020 – present	Arkansas Reproductive Health Monitoring System, Scientific Advisory Commission (funded by State of Arkansas)
2020 - present	Internal Advisory Committee, Center for Childhood Obesity Prevention (COBRE; J.Weber, PI, ACRI)
2020 – present	Scientific Oversight Committee, Better Antibiotic Selections in Children (BASiC) Research Program (R01; R. McCulloh, PI, UNMC)
2020 – present	Scientific Oversight Committee, The Role of Complement in CNS Shunt Infection (K08; G. Skar, PI, UNMC)
2020 – present	Scientific Oversight Committee, Exploring the chemosensitization properties of the novel tumor suppressor gene miR-1253 in group 3 MB (K08; S. Mahapatra, PI, UNMC)
2020 – present	Data Safety and Monitoring Board, Caffeine for Renal Protection in Neonates with Hypoxic Ischemic Encephalopathy Receiving Hypothermia (KL2; J. Rumble, PI, UAMS)
2017 – 2018	External Review Board, Sunflower Pediatric Clinical Trials Research Extension ( NIH IDEa States Pediatric Clinical Trials Network, Kansas University Medical Center)

### Grant Review

#### Extramural Grant Programs/External Reviewer

2020 – present	National Institutes of Health; <i>ad hoc</i> Pediatric HIV / AIDS Cohort Study; <i>ad hoc</i> Veterinary training programs
2020	National Institutes of Health, Clinical Neurophysiology, Devices, Neuroprosthetics and Biosensors Small Business Panel
2018 – present	Pediatric Infectious Disease Society Pichichero Family Foundation Research Development, Vaccines for Children Initiative Award
2015 – present	Department of Defense Congressionally Directed Medical Research Programs (CDMRP), external reviewer <ol style="list-style-type: none"> <li>1. Discovery Award – Hydrocephalus</li> <li>2. Discovery Award – Emerging Infectious Diseases</li> <li>3. Investigator Initiated Research Award – Hydrocephalus</li> <li>4. Focused Program Award – Infectious Disease; COVID-19</li> </ol>
2015	The Netherlands Organisation for Health Research and Development Veni Grant Program, external reviewer
2015	University of Central Oklahoma Research Program, external reviewer

#### Intramural Grant Programs

2018 – present	Intramural Grant Review: UAMS and Arkansas Children’s Research Institute <ol style="list-style-type: none"> <li>1. Translational Research Institute Team Science Vouchers</li> <li>2. Translational Research Institute Interinstitutional Pilot</li> <li>3. COVID Pilot Funding</li> </ol>
2012 – 2018	Intramural Grant Review: UNMC

1. University of Nebraska Medical Center Pediatric Research Fund
2. Edna Ittner Research Grant

### Editorial Review

2022 – present Associate Editor, *Journal of Infectious Diseases*  
 2022 – present Review Board, *Frontiers in Bacteriology*  
 2019 – present Co-editor, *Frontiers in Cellular and Infection Microbiology* Research  
 Topic: Updates in Pediatric Infectious Disease Laboratory Medicine and  
 Diagnostics  
 2016 – present Editor-in-chief, Pediatric Infectious Disease, STATPearls  
 2014 - present Editorial board, *Medicine*

### Ad hoc journal review (30 peer-reviewed journals)

#### Selected Basic Science Review:

*Infection and Immunity*  
*Journal of Neuroinflammation*  
*Journal of Neurochemistry*  
*Journal of Neuroimmunology*  
*Journal of Neuropathology and Experimental Neurology*  
*Nature Communications*  
*Nature Protocols*  
*PLoS ONE*  
*Scientific Report*

#### Selected Clinical Science Review:

*American Journal of Epidemiology*  
*Journal of Infectious Disease*  
*Journal of Pediatrics*  
*Journal of the Pediatric Infectious Disease Society*  
*Pediatric Infectious Disease Journal*  
*Pediatric Research*

### Other Scientific Review

2019 – present Infectious Disease Society of America Annual Meeting, abstract reviewer  
 2019 – present Pediatric Academic Societies Meeting, abstract and workshop reviewer  
 2016 – present Annual Biomedical Research Conference for Minority Students, Abstract  
 Reviewer; poster judge  
 2016 Midwest Regional American Physician Scientist Association, Poster  
 Judge

---

### **Presentations**

#### Selected National/International Invited/Peer-Reviewed Oral Presentations (Last 5 years)

August 2023 **Snowden J.** American Academy of Pediatrics Infectious Disease Course: Vector-Borne Illness.

January 2023 Career Pathways in Pediatric Infectious Disease: Pediatric Infectious Disease Society Inclusion, Diversity, Access & Equity Grand Rounds. Virtual national presentation. **Snowden J** moderator.

December 2022 **Snowden J.** Defining a generation: COVID-19 and its impact on children. University of New Mexico Health Science Center, Cellular & Molecular Basis of Disease invited seminar.

December 2022 **Snowden J.** Identity, environment & health: Partnering with Native American & Indigenous communities in research. Baylor College of Medicine, Health Equity Grand Rounds.

March 2022 **Snowden J.** The tip of the iceberg: Understanding the long-term impact of COVID-19. University of New Mexico Health Sciences Center, Grand Rounds.

March 2022 **Snowden J.** Charting your course. Central Society for Clinical and Translational Research Annual Meeting, Chicago IL.

March 2022 **Snowden J,** Surana N. Looking for a Job (and making it is the right job for you). St. Jude Pediatric Infectious Disease Society Annual Meeting, Memphis, TN.

August 2021 **Snowden J.** Vector-Borne Infections. 2021 AAP Infectious Disease Course.

June 2021 **Snowden J.** ISPCTN: Enhancing Underserved Children's Health Through State-of-the-Art Clinical Trials. Grand Rounds presented at Tulane University as the **Ralph V. Platou Memorial Lecture.**

July 2020 **Snowden J,** Cantu R, Latch R, Nabower A, Smith E. Getting a lock on the right antibiotic – keys to success. Selected for Workshop presentation at Pediatric Hospital Medicine Annual Meeting in Orlando, FL. \*Deferred secondary to COVID-19.

May 2020 **Snowden J,** Ernst KD, Honegger JR, Kiefer AS, Knight LM, Medoro AK, Ounpraseuth S, Palumbo P, Ross J, Sanchez PJ, Simon A, Singleton R, Smith MC, Vaishali Y, Yonke N, Young L, Devlin L. Hepatitis C Screening and Infection Rate Among Pregnant Mothers with Opiate Use Disorder. Platform presentation at Pediatric Academic Societies Annual Meeting (Virtual secondary to COVID-19 pandemic).

May 2020 **Snowden J.** Perinatal Hepatitis C: Implications for Mothers and Infants. Invited seminar, University of Louisville.

April 2020 Annett RD, Davis AM, McCulloh R, Shiramizu B, **Snowden J,** Turley CB, Watson S, on behalf of the IDEa States Pediatric Clinical Trials Network (ISPCTN). Applying Team Science to Building Research Collaboratives. Selected for workshop presentation at Translational Science 2020, in Washington, DC.

- December 2019 **Snowden J.** ISPCTN: Enhancing Underserved Children's Health Through State-of-the-Art Clinical Trials. Presented at Oklahoma University Health Science Center Grand Rounds in Oklahoma City, OK.
- November 2019 **Snowden J.** Why Clinical Trials are Essential to Improving Healthcare. Presented at the Southeast Region IDeA Meeting in Louisville, KY.
- June 2019 **Snowden J.** ISPCTN: Enhancing Underserved Children's Health Through State-of-the-Art Clinical Trials. Presented at the IDeA Central Regional Meeting in Oklahoma City, OK.
- May 2019 Annett RD, Davis AM, McCulloh R, Shiramizu B, **Snowden J**, Turley CB, Watson S, on behalf of the IDeA States Pediatric Clinical Trials Network (ISPCTN). Applying Team Science to Building Research Collaboratives. Presented at Pediatric Academic Societies Annual Meeting in Baltimore, MD as workshop.
- May 2019 Nabower A, Martin R, Goodrich N, Gollehon, **Snowden J.** Integrating Technology into Teaching: It's Easier Than You Think. Presented at Pediatric Academic Societies Annual Meeting in Baltimore, MD as workshop.
- May 2019 **Snowden J**, Hanson C, Furtado J, Van Ormer M, Anderson-Berry A. Maternal tobacco use affects the relationship between nutritional antioxidants and infant inflammation. Platform presentation at Pediatric Academic Societies Annual Meeting in Baltimore, MD.
- May 2019 **Snowden J**, Hanson C, Furtado J, Van Ormer M, Anderson-Berry A. Infant serum nutrient levels are associated with biomarkers of inflammation at the time of delivery. Platform presentation at Pediatric Academic Societies Annual Meeting in Baltimore, MD.
- March 2019 **Snowden J.** Bench to Bedside: Advancing Pediatric Health Across the Research Spectrum. Invited platform presentation at Ambulatory Pediatric Association Region IV Meeting in Madison, WI.
- October 2018 **Snowden J.** The Role of Advocacy in Advancing ID and HIV Policy Priorities. Invited platform presentation at Infectious Disease Society of America Annual Meeting in San Francisco, CA.
- October 2018 Woods K, Skar G, Beaver M, **Snowden J.** IL-10 Influences Neuron Death in *Staphylococcus epidermidis* Biofilm and Microglia Co-Cultures. Presented at Society for Leukocyte Biology Annual Meeting in Phoenix, AZ as poster and flash talk (Kathryn Woods, presenter). \* Kathryn Woods also awarded Mentoring Diversity Award.
- October 2018 Love LM, Beck Dallaghan GB, Bowler C, Gupta S, Hurtubise L, Simonsen K, **Snowden J**, Way D, Wulf K. Question Bursts: An Innovative Process for Advancing the Dialogue Around Gender Equity in Medical Education.

Workshop presented at The Generalists in Medical Education Conference in Austin, TX.

- August 2018      **Snowden J.** Communicating Your Accomplishments and Contributions in Writing. Presented at Semi-annual Pediatric Writing Workshop in Omaha, NE. \*Also served on planning committee and as writing facilitator.
- June 2018      Rakes L, Turley C, Annett R, Smith P, McCulloh R, **Snowden J.** Capacity Building in the IDeA States' Pediatric Clinical Trial Network. Platform presentation at the National IDeA Symposium of Biomedical Research Excellence Conference, in Bethesda, MD.
- May 2018      **Snowden J,** Simonsen K, Love L, Myers A. Saying Yes: Identifying, Creating and Embracing Opportunity. Workshop presented at Pediatric Academic Societies Annual Meeting, Toronto, Canada.
- May 2018      Myers A, Reed S, Wallihan R, **Snowden J.** Advanced Competencies in Medical Training: Fostering Wellness through Professional Development and Igniting Passion in Trainees. Workshop presented at Pediatric Academic Societies Annual Meeting, Toronto, Canada.
- October 2017      Edwards M, **Snowden J,** Pong A, Newland J, Boppana S. Challenging Cases in Pediatric Infectious Disease. Invited panel presentation at Infectious Disease Societies of America Annual Meeting in San Diego, CA.
- August 2017      **Snowden J.** Session Chair: Clinical Staphylococcal Disease, Gordon Conference on Staphylococcal Disease, Waterville Valley, NH
- May 2017      **Snowden J.** Pediatric Shunt Infections & the Role for Pediatricians Across the Research Spectrum. Presented as the **Cheng Cho Endowed Lecture** speaker at the University of Kansas Medical Center and Children's Mercy Grand Rounds, Kansas City, MO.

Selected National/International Poster Presentations (Last 5 years)

- September 2021      **Snowden J.** IDWeek 2021 Abstract Visiting Professor Program.
- May 2021      Darden P, Davis A, Bimali M.... **Snowden J.** A Cluster Randomized Trial of Recruitment Methods Targeting Rural Children in Primary Care Clinics. Selected for Poster presentation at Pediatric Academic Societies 2021 Annual meeting.
- May 2021      Goodrich N . . . **Snowden J.** Clinical and Laboratory Data in Patients with Viral and Bacterial Meningitis in Conjunction with FilmArray Meningitis/Encephalitis Panel Use: A Multi-Site Retrospective Cohort Study. Selected for Poster presentation at Pediatric Academic Societies 2021 Annual meeting.

- June 2020 Woods K, Skar G, Beaver M, White B, **Snowden J.** Microglial secreted IL-10 mediates increase in neuron death following *S. epidermidis* biofilm exposure. Selected for Poster presentation at Hydrocephalus Association Meeting in Houston, TX. (Kathryn Woods, presenter; Travel Award to Kathryn Woods)
- May 2020 **Snowden J**, Munoz-Mendoza D, Nesmith C, Boateng BA, Barr FE, James LP. Pediatrician Readiness to Participate in Clinical Trials: Roles of interest, barriers and interventions. Selected for Poster presentation at Pediatric Academic Societies Annual Meeting in Philadelphia, PA.
- May 2020 Woods K, Skar G, Beaver M, White B, **Snowden J.** IL-10 Mediates Increase in Neuron Death following *S. epidermidis* Biofilm Exposure. Selected for Poster presentation at Pediatric Academic Societies Annual Meeting in Philadelphia, PA. (Kathryn Woods, presenter).
- May 2020 Rajbhandari P, Nabower A, Martin K, **Snowden J.** Variation within various subspecialists using the Film Array Cerebrospinal Fluid (CSF) Meningitis/Encephalitis panel. Selected for Poster presentation at Pediatric Academic Societies Annual Meeting in Philadelphia, PA. (Prabi Rajbhandari, presenter).
- July 2019 Nabower A, Miller S, Biewen B, Lyden E, Goodrich N, Miller A, Skar G, Gollehon N, **Snowden J.** Influence of the FilmArray Meningitis/Encephalitis panel on clinical practice. Presented at Pediatric Hospital Medicine Conference in Seattle, WA as poster (Aleisha Nabower, presenter).
- May 2019 **Snowden J**, Sullivan JE, Cowan K, Annett R, Knight L on behalf of the IDeA States Pediatric Clinical Trials Network (ISPCTN). Pediatric Research Capacity Improvements in the IDeA States Pediatric Clinical Trial Network. Presented at Pediatric Academic Societies Annual Meeting in Baltimore, MD as poster.
- May 2019 Nabower A, Miller S, Biewen B, Lyden E, Goodrich N, Miller A, Skar G, Gollehon N, **Snowden J.** The influence of a rapid meningitis/encephalitis panel on pediatric meningitis clinical practice. Presented at Pediatric Academic Societies Annual Meeting in Baltimore, MD as poster (Aleisha Nabower, presenter).
- October 2017 Skar G, Woods K, Beaver M, **Snowden J.** Cytokine analysis may be used to diagnose and monitor response to therapy in an animal model of *S. epidermidis* CSF shunt infection. Poster presentation at the Society for Leukocyte Biology Annual Meeting, Vancouver, BC. (Travel award to G Skar).
- July 2017 Skar G, Woods K, Beaver M, **Snowden J.** Pro-inflammatory Mediators May Distinguish Staphylococcus epidermidis Infection from Trauma in a Rat Model of Shunt Infection. Poster presentation at the Gordon Conference on Staphylococcal Disease in Waterville Valley, NH.



Selected Regional/Local Invited Presentations (Last 5 years)

- September 2022      **Snowden J.** What comes next? Learning from COVID-19. Arkansas Society for Respiratory Care Conference in Little Rock, AR.
- July 2022            **Snowden J.** COVID-19: Surely we're done by now?! Arkansas Children's Grand Rounds in Little Rock, AR.
- October 2021        **Snowden J.** Telling your story: Communicating and Advocating for Science in Challenging Times. **Keynote** speaker at Arkansas INBRE Undergraduate Research Conference. Fayetteville, Arkansas.
- September 2021    **Snowden J.** Critical Conversations: Strategies to Address Parental Vaccine Hesitancy. Arkansas Children's Hospital Nursing Grand Rounds.
- September 2021    **Snowden J.** Riding the Third Wave: COVID-19 in Arkansas. **Keynote** speaker at Arkansas Society for Respiratory Care Conference.
- January 2021        **Snowden J,** Tackett A, Weber J, Andres A. Championing Children Through Research: Healthier Today & Better Tomorrow. Presented at Arkansas Children's Hospital Grand Rounds in Little Rock AR.
- December 2020     **Snowden J.** Hit Me with Your Best Shot: COVID-19 Vaccine Questions & Answers. Presented at Arkansas Children's Hospital Grand Rounds in Little Rock AR. \*Over 700 virtual attendees and 1 million views online.
- June 2019            **Snowden J.** Physicians in Research (Or How I learned to stop worrying and love the mouse). Presented at the INBRE Summer Program Student Dinner in Little Rock, AR.
- August 2018        **Snowden J.** Opportunities with the IDeA States Pediatric Clinic Trials Network in Arkansas. Presented at Arkansas Children's Hospital Pediatric Grand Rounds in Little Rock, AR.
- June 2018            **Snowden J.** Controversies in Pediatric Sepsis. Presented at 2018 Improving Critical and Acute Care through Regional Education Annual Meeting in Little Rock, AR.
- October 2017        **Snowden J.** Infectious Disease Update. Presented at Nebraska Chapter of the American Academy of Pediatrics Fall Meeting in Omaha, NE.
- September 2017    **Snowden J,** Simonsen KA, Love LM. Saying Yes: Identifying, Creating and Embracing Opportunity. Presented at Nebraska Women in Higher Education Leadership Annual Conference in Lincoln, NE.
- August 2017         **Snowden J.** What is Scholarly Activity? Presented at Pediatric Writing Workshop in Omaha, NE. \*Also served on planning committee and as writing facilitator.

---

## **Publications**

### Articles published in scholarly journals

1. **Nichols JR**, Stovall S, Jacobs RF. Human Papillomavirus Infection: the role of vaccination in pediatric patients. *Clinical Pharmacology & Therapeutics*. 2007 April; 81(4):607-10. PMID 17314926
2. Gurley C, **Nichols J**, Liu S, Phulwani N, Esen N, Kielian T. Microglia and Astrocyte Activation by Toll-Like Receptor Ligands: Modulation by PPAR- $\gamma$  Agonists. *PPAR Research*. 2008 June; 2008:453120. PMID 18584038
3. Garg S, **Nichols J**, Esen N, Liu S, Phulwani N, Syed M, Wood W, Zhang Y, Becker K, Aldrich A, Kielian T. MyD88 expression in the CNS is pivotal for eliciting protective immunity in brain abscesses. *ASN Neuro*. 2009 March; 1(2):art:e00007.doi:10.10421AN20090004. \*First two authors contributed equally. PMID 19570030
4. **Nichols J**, Aldrich AL, Mariani MM, Vidlak D, Esen N, Kielian T. Toll-like receptor 2 (TLR2) deficiency leads to increased Th17 infiltrates in experimental brain abscesses. *Journal of Immunology*. 2009 June; 182:7119-7130. PMID 19454709
5. **Snowden J**, Stovall S. Tularemia: Retrospective Review of 10 Years' Experience in Arkansas. *Clinical Pediatrics*. 2010 September. PMID 20837613
6. Nagarajan UM, Sikes J, Prantner D, Andrews CW, Goodwin A, **Snowden J**, Darville T. MyD88 deficiency leads to decreased NK cell IFN- $\gamma$  production and T cell recruitment during Chlamydia muridarum genital tract infection, but a predominant Th1 response and enhanced monocytic inflammation are associated with infection resolution. *Infection and Immunity*. 2011 January. PMID 21078858.
7. **Snowden J**, Beaver M, Smeltzer MS, Kielian T. Biofilm-infected intracerebroventricular shunts elicit inflammation within the central nervous system. *Infection and Immunity* 2012 Sep;80(9):3206-14. PMID:22753376.
8. **Snowden J**, Beaver M, Beenken K, Smeltzer M, Horswill AR, Kielian T. *Staphylococcus aureus sarA* regulates inflammation and colonization during central nervous system biofilm formation. *PLoS One*. 2013 December 30;8(12):e84089. PMID 24386336.
9. **Snowden J**. Generation of a central nervous system catheter associated infection in mice with *Staphylococcus epidermidis*. *Methods in Molecular Biology: Staphylococcus epidermidis*. 2014;1106:193-8. PMID 24222468.

10. Gutierrez-Murgas Y and **Snowden J**. Ventricular Shunt Infections: Pathogenesis and Clinical Management. *Journal of Neuroimmunology*. 2014 Nov 15;276(1-2):1-8. PMID 25156073.
11. Hoffman MA, **Snowden J\***, Simonsen KA, Nenninger TM, Lyden ER, Anderson-Berry AL. Neonatal late-onset sepsis following peripherally inserted central catheter removal: Association with antibiotic use and adverse line events. *Journal of Infusion Nursing*. 2015 March/April;38(2):129-134. PMID 25723835. \*Corresponding author
12. Skar, G and **Snowden J**. Index of Suspicion: Recurrent fever and thrombocytopenia in a 4 year old girl. *Pediatrics in Review*. 2015 March;36(3):130-1. PMID 25733765.
13. Khasawneh, R., Simonsen, K., **Snowden, J.**, Higgins, J., Beck, G. The effectiveness of e-learning in pediatric medical student education. *Medical Education Online*. 2016, 21:29516.
14. Gutierrez-Murgas YM, Skar G, Beaver M, Ramirez, D., **Snowden J**. IL10 plays an important role in control of inflammation but not bacterial burden in *S. epidermidis* CNS catheter infection. *Journal of Neuroinflammation*. 2016 October; 13(1): 271.
15. Harris M, Aldrich A, **Snowden J**. Tularemia: A review of pathogenesis, clinical presentations and current diagnostic and treatment approaches. *Internal Medicine Reviews*, 2016 November;2(10).
16. **Snowden J**, Darden P, Palumbo P, Saul P, Lee J. The institutional development award states pediatric clinical trials network: building research capacity among the rural and medically underserved. *Curr Opin Pediatr*, 2018, 30:297–302.
17. Upinder Singh, Jaclyn Levy, Wendy Armstrong, Roger Bedimo, Buddy Creech, Anne Kasmar, Ebbing Lautenbach, Kyle Popovich, **Jessica Snowden**, and Jatin Vyas, on behalf of The Infectious Diseases Society of America, HIV Medicine Association, and Pediatric Infectious Diseases Society. Policy Recommendations for Optimizing the Infectious Disease Physician-Scientist Workforce. *Journal of Infectious Disease*, 2018 June; 218(suppl\_1):S49-S54.
18. Reinecke J, Lowas S, **Snowden J**, Neemann K. Blood Stream Infections and Antibiotic Utilization in Pediatric Leukemia Patients with Febrile Neutropenia. *J Pediatr Hematol Oncol*, 2018 Aug [Epub ahead of print].
19. **Snowden J**, James S. Developing Careers in Pediatric Infectious Diseases. *J Pediatric Infect Dis Soc*, 2018 Dec; 7(supple\_2):S57-S59.
20. Skar G, Synhorst D, Beaver M, **Snowden J**. CSF Inflammatory Markers Differ in Gram Positive versus Gram Negative Shunt Infections. *J Neuroinflammation*, 2019 Jan;16(1):7.
21. Zozus MN, Young LW, Simon AE, Garza M, Lawrence L, Ounpraseuth ST, Bledsoe M, Newman-Norlund S, Jarvis JD, McNally M, McCulloh R, Aikman R, Cox S, Malloch L, Walden A, **Snowden J**, Mangan Chedjieu I, Wicker CA, Atkins L, Devlin L. Training as an intervention to decrease medical record abstraction errors in multicenter studies. *Stud Health Technol Inform*. 2019;257:526-539.

22. Brooks D, Thomas V, **Snowden J**. *Staphylococcus capitis* osteomyelitis: Case Report. *Global Pediatric Health*. 2019 Mar 7; 6:2333794X19833736.
23. **Snowden J**, Akshatha, Annett RD, Das A, Devlin LA, Higgins RD, Lindsay E, Merhar S, Nesmith CC, Pratt-Chavez H, Ross J, Simon AE, Smith MC, Turley CB, Walden A, Hu Z, Young L, Whalen B. The ACT NOW Clinical Practice Survey: Gaps in the Care of Infants with Neonatal Opioid Withdrawal Syndrome. *Hospital Pediatrics*. August 01, 2019; 9 (8).
24. Skar G, Beaver M, Aldrich A, Lagundzin D, Thapa I, Woods N, Ali H, **Snowden J**, Kielian T. Identification of potential cerebrospinal fluid (CSF) biomarkers to discriminate between infection and sterile inflammation in a rat model of *S. epidermidis* catheter infection. *Infection and Immunity*. Aug 21, 2019: 87(9).
25. Nabower A, Miller S, Biewen B, Lyden E, Goodrich N, Miller A, Gollehon N, Skar G, **Snowden J**. Association of the FilmArray Meningitis/Encephalitis panel with clinical management. *Hospital Pediatrics*. October 2019, 9 (10) 763-769.
26. Madden C, Malloch L, Jarvis JD, Foster K, Cox S, Swango-Wilson A, Faiella J, Bledsoe M, Chassereau L, Sanders S, Nunez O, McCauley G, Bancroft B, **Snowden J**, Nader Ph. Team Science Process Builds Research Coordinators' Voices in a National Pediatric Clinical Trials Network. *SOCRA Source*. August 2020.
27. Nabower A, Hall M, Burrows J, Dave A, Deschamp A, Dike C, Euteneur J, Mauch T, McCulloh R, Ortmann L, Simonsen K, Skar G, **Snowden J**, Taylor V, Markham J. Trends and variation in care and outcomes for children hospitalized with acute gastroenteritis. *Hospital Pediatrics*. July 2020, 10(7):547-554.
28. Springer SA, Barocas JA, Wurcel A, Nijhawan A, Thakarak K, Lynfield R, Hurley H, **Snowden J**, Thornton A, del Rio C on behalf of the Infectious Diseases Society of America and HIV Medicine Association's *Infectious Diseases and Opioid Use Disorder Working Group*. Federal and State Action Needed to End the Infectious Complications of Illicit Drug Use in the United States: IDSA and HIVMA's Advocacy Agenda. *Journal of Infectious Disease*. October 2020, 222(5):S230-238.
29. O'Sullivan B, James L, Majure JM, Bickel S, Phan L, Serrano Gonzalez M, Staples H, Tam-Williams J, Lang J, **Snowden J**. Obesity-related asthma in children: A role for vitamin D. *Pediatric Pulmonology*. February 2021; 56(2). doi: 10.1002/ppul.25053. PMID: 32930511.
30. Brito MO, Dugdale CM, Collins-Ogle M, **Snowden J**, Wheeler DA. ID/HIV Physician Ambassadors: Advancing Policy to Improve Health. *Clinical Infectious Disease*. October 2020, ciaa1531 (epub ahead of print).
31. Young LW, Hu Z, Annett RD, Das A, Fuller JF . . . **Snowden J**, Devlin L. Site-Level Variation in the Characteristics and Care of Infants with Neonatal Opioid Withdrawal Syndrome: A Cross-Sectional Study. *Pediatrics*. 2021 Jan;147(1):e2020008839. doi: 10.1542/peds.2020-008839. Epub 2020 Dec 21. PMID: 33386337
32. Thoene M, Van Ormer M, Lyden E, Thompson M, Yuil-Valdes A . . . **Snowden J**. Inflammatory Compounds at Time of Birth in Mother-Infant Dyads and Associations with

Carotenoid Levels and Birth Outcomes. *Pediatric Research*. 2020 Dec 8. doi: 10.1038/s41390-020-01302-8. Online ahead of print.PMID: 33293682

33. Dunlop AL, Essalmi AG, Alvalos L, Breton C, Camargo CA . . . **Snowden J**, . . . Perera F. Racial and Geographic Variation in Effects of Maternal Education and Neighborhood-level Measures of Socioeconomic Status on Gestational Age at Birth: Findings from the ECHO Cohorts. *PLoS One*. 2021 Jan 8;16(1):e0245064. doi: 10.1371/journal.pone.0245064. eCollection 2021.PMID: 33418560.
34. Annett R, Bickel S, Carlson J, Cowan K . . . **Snowden J** . . . Atz A. Capacity Building for a New Multicenter Network within the ECHO IDeA States Pediatric Clinical Trials Network. *Frontiers in Pediatrics*. 2021 Jul 14; 9:679516.
35. Shaw J, Singleton R, Okihiro M, Semmens E, Lewis JL . . . **Snowden J** . . . Dillard, DA. Lessons Learned for Conducting Clinical Trials with Indigenous Children in the U.S. *Am J Public Health*. 2021 Sept.
36. Davis AM, Darden PM, **Snowden J**, Simon A, et al. Rationale and Protocol for a Cluster Randomized, Cross-over Trial of Recruitment Methods of Rural Children in Primary Care Clinics: A Feasibility Study of a Pediatric Weight Control Trial in the IDeA States Pediatric Clinical Trials Network. *Contemporary Clinical Trials*. 2021: 106476.
37. **Snowden J**, Patwardhan A. Association between age and ethnicity with pediatric clinical outcomes in COVID-2019. *Global Pediatric Health*. 2021 Aug 10;8:2333794X211033451
38. Ekambaram M, Nabower A, Rajbhandari P, Eisenberg J, . . . **Snowden J**. Evaluation of Discordant Results between FilmArray Meningitis/Encephalitis Panel and Conventional Testing in Pediatric Patients: A Multi-site Retrospective Cohort Study. *Journal of the Pediatric Infectious Disease Society*, piab126. 2022 Apr 30;11(4):134-141. <https://doi.org/10.1093/jpids/piab126> \*\*Highlighted as article of note for PIDS
39. Watson S, Smith P, **Snowden J**, Vaughn V, et al. Facilitators and Barriers to Pediatric Clinical Trial Recruitment and Retention in Rural and Community Settings: A Scoping Review of the Literature. *Clinical and Translational Science*. 2022 Apr; 15(4): 838–853.
40. Boehme K, Kennedy J, **Snowden J**, Owens S, et al. Estimated pediatric SARS-CoV-2 seroprevalence in Arkansas over the first year of the COVID-19 pandemic. *Journal of Pediatric Infectious Disease Society*. 2022 March.
41. Marcelin J, Swartz T, Bernice F, Berthaud V . . . **Snowden J** . . . Abdul-Mutakabbir J. Addressing and Inspiring Vaccine Confidence in Black, Indigenous, and People of Color (BIPOC) during the COVID-19 Pandemic. *Open Forum Infectious Disease*. 2021 Aug 9;8(9):ofab417.
42. Wanga V, Shi DS, Choudhary R . . . **Snowden J** . . . Siegel D. Characteristics and Clinical Outcomes of Persons Aged <18 Years Hospitalized with COVID-19 – Six Hospitals, United States, July – August 2021. *MMWR*, 2021 Dec 31; 70\*5152):1766-1772.

43. Rajbhandari P, Nabower AM, Brown MF, Ekambaram M . . . **Snowden J**. Current State and Practice Variation in the Use of Meningitis/Encephalitis (ME) FilmArray Panel in Children. *BMC Infectious Diseases*. 2022 Oct 31;22(1):811.
44. Kennedy J, Forrest JC, Young S, Amick B . . . **Snowden J** . . . Boehme K. Temporal Variations in Seroprevalence of SARS-CoV-2 Infections by Race and Ethnicity in Arkansas. *Open Forum Infectious Disease*. 2022 Mar 23;9(5):ofac154
45. Choudhary R, Webber BJ, Womack LS . . . **Snowden J** . . . Siegel DA. Risks for Severe Disease in Patients Aged <21 Years Hospitalized for COVID-19 – July-August 2021. *Hospital Pediatrics*. 2022 Jun 8;e2022006613
46. Agathis NT, Womack LS, Webber B, et al on behalf of the Pediatric COVID-19 Hospital Investigation Team (includes **Snowden J**). Children, Adolescents, and Young Adults Hospitalized with COVID-19 and Diabetes in Summer 2021. *Pediatric Diabetes*. 2022 Jul 25; 10.1111. PMID 35876454.
47. Young LW, Ounpraseuth S, Merhar SL . . . **Snowden J** . . . Devlin LA. Eating, Sleeping, Consoling for Neonatal Opioid Withdrawal (ESC-NOW): a Function-Based Assessment and Management Approach study protocol for a multi-center, stepped-wedge randomized controlled trial. *Trials*. 2022 23:638.
48. James L, O’Sullivan BP, Majure M . . . **Snowden J**. Protocol for the Vitamin D Oral Replacement in Asthma (VDORA) study. *Contemporary Clinical Trials*. 2022 Jul 27:106861. PMID 3597490.
49. Garza M, Williams T, Myeni S . . . **Snowden J**, et al. Measuring and controlling medical record abstraction (MRA) error rates in an observational study. *BMC Med Res Methodol*. 2022 Aug 15;22(1):227.
50. Kronman MP, **Snowden J**. Historical perspective on pediatric health disparities in infectious diseases: centuries in the making. *Journal of the Pediatric Infectious Disease Society*. 2022 Sep 16:piac088.
51. Roberts J, Chervinskiy S, McCulloh R, **Snowden J**\*\* , et al. Conducting a Pediatric Randomized Clinical Trial During a Pandemic: A Shift to Virtual Procedures. *J Clinical and Translational Sciences*. 2022 Aug 25;6(1):e115. \*\*Corresponding author.
52. McCulloh RJ, Darden P, **Snowden J**, Ounpraseuth S, et al. Improving pediatric COVID-19 vaccine uptake using an mHealth tool (MoVeUP): a randomized, controlled trial. *BMC Trials*. 2022 Oct 28;23(1):911.
53. Sanders S, Taylor MD, Filipek J, Williford D . . . **Snowden J**, et al. Demographic and clinical characteristics of pediatric COVID-19 in Arkansas: March – December 2020. *Medicine*. 2022 Oct 21;101(42):e31058.
54. Darden PM, Davis AM, Lee JY, Bimali M . . . **Snowden J**. Active versus traditional methods in recruiting children for a clinical trial in rural primary care clinics: A cluster randomized clinical trial. Accepted, *JAMA Open* October 2022.

55. Boyanton B, **Snowden J**, Frenner R, Rosenbaum E, Young H, Kennedy J. COVID-19 Infection Mitigation Strategies Concomitantly Reduce Group A Streptococcus Pharyngitis. Accepted, *Clinical Pediatrics*.
56. Devlin LA, Hu Z, Ounpraseuth S, Simon AE . . . **Snowden J**, Young L. The Influence of Mediators of the Relationship between Antenatal Opioid Agonist Exposure and the Severity of Neonatal Opioid Withdrawal Syndrome. Accepted, *Maternal and Child Health*.

Articles in review for publication in scholarly journals

1. Young L, Hu Z, Merhar S, Ounpraseuth S . . . **Snowden J**, Devlin L. Eat, Sleep, Console, versus Usual Care for Neonatal Opioid Withdrawal. In Revision, *New England Journal of Medicine*.
2. Greer M, Garza M, Lee J, Prior F . . . **Snowden J**. Informatics Infrastructure in a Rural Pediatric Clinical Trials Network: Matching Specific Clinical Research Needs with Best Practices and Industry Guidelines. In Revision, *Contemporary Clinical Trials*.
3. Skar G, Woods K, Beaver M, Harris M, **Snowden J**. Attenuated inflammatory response in infant mice with *S epidermidis* CNS catheter infection. In review, *Journal of Neuroinflammation*.
4. Davies HD, Treinen C, Otto W, Jackson MA . . . **Snowden J**. Comparative Effectiveness of Antibiotic Management on Outcomes of Pediatric Osteomyelitis: A Multicenter Retrospective Cohort Study. In review, *Clinical Infectious Disease*.
5. Czynski A, Laptook A, Simon A, Das A . . . **Snowden J**, et al. Pragmatic, Randomized, Blinded Trial to Shorten Pharmacologic Treatment of Newborns with Neonatal Opioid Withdrawal Syndrome (NOWS). In review, *Trials*.
6. Beaver M, Noe D, Thapa I, Ali H, **Snowden J**, Kielian T, Skar GL. Bacteria Commonly Associated with Central Nervous System Catheter Infections Elicit Distinct CSF Proteome Signatures. In revision, *Frontiers in Neurology*.
7. Gandy J, et al (including **Snowden J**). SARS-CoV-2 Antibody Seroprevalence in College Students in a Rural Southern State. In revision, *Journal of American College Health*.
8. Cantu R, Sanders S, Turner G, **Snowden J**, et al. Younger and rural children were hospitalized more often during SARS-CoV-2 variant waves. In review, *Pediatrics*.
9. O'Connor T, Cuevas Guaman M, Randell K, Keenan H, **Snowden J**, et al. Effect of COVID-19 pandemic on academic pediatric faculty's productivity among 9 institutions. In review, *Pediatrics*.

10. Garza MY, Williams T, Ounpraseuth S, Hu Z, Lee J, **Snowden J**, et al. Error rates of data processing methods in clinical research: A systematic review and meta-analysis. In review, *BMC*.
11. Nabower A, **Snowden J**. Multiplex panels for identifying infection- An opportunity for improved diagnosis or overuse? In review, *Journal of Hospital Medicine*
- 12.

#### Books published

1. Skar G and **Snowden J**. *Neuroglia in Biology and Medicine: Neuroglia in Infectious Brain Disease*. Verkhatsky A and Parpura V (eds). Morgan & Claypool Colloquium Series. March 2015.

#### Chapters in Books

1. **Nichols J**, Hillenbrand KH. Wheezing. In: *Pediatric Hospital Medicine: Textbook of Inpatient Management, 2<sup>nd</sup> edition*. Perkin RM, Swift JD and Newton DA (eds), Lippincott Williams & Wilkins, 2007.
2. **Nichols J**, Stovall S, Jacobs RF. Tularemia. In: *Rudolph's Pediatrics*. Rudolph CD, Rudolph AM, Hostetter MK, Lister G, Siegel NJ (eds), Mcgraw-Hill, 2011.
3. Neemann K, **Snowden J**. Tularemia. In: *Clinical Infectious Disease*. Schlossberg D (ed), Cambridge Press, May 2015.
4. Simonsen KA, **Snowden J**. Tularemia. In: *Succinct Pediatrics*. Feld LG, Mahah JD (eds), American Academy of Pediatrics, January 2017.
5. **Snowden J**. Bacterial Biofilm Formation and Immune Evasion Mechanisms. In: *The Human Microbiota and Chronic Disease – Dysbioses as a Cause of Human Pathology*. Nibali L (ed), Wiley Blackwell.
6. Skar G, **Snowden J**, Stovall S. Tularemia. In: *Rudolph's Pediatrics*. Rudolph CD, Rudolph AM, Hostetter MK, Lister G, Siegel NJ (eds), Mcgraw-Hill.
7. **Snowden J**, Fey P. Biofilm-associated animal infection models - role of staphylococcal virulence factors. In: *Staphylococcal Biofilms*. Heilmann, C (ed), Springer.
8. Skar G, **Snowden J**. Pathogenesis, Diagnosis and Treatment of Central Nervous System Catheter Infections. In: *Clinical Microbiology: Diagnosis, treatment and prophylaxis of infections*. Kon K and Rai M (eds), Elsevier.
9. **Snowden J**, Bhimji S. Rickettsial Infection. *STATPearls*. 2017 June – 2017 May 24. PMID 28613765.
10. **Snowden J**, Simonsen K. Tick, Rickettsia Rickettsiae (Rocky Mountain Spotted Fever). *STATPearls*. 2017 June – 2017 May 26. PMID 28613631.



11. **Snowden J**, Simonsen K. Tularemia. *STATPearls*. 2017 June – 2017 May 26. PMID 28613655.
12. **Snowden J**, Simonsen K. Ehrlichiosis. *STATPearls*. Published online July 2017. PMID 28722995.
13. **Snowden J**, Badri T. Acrodermatitis / Gianotti-Crosti. *STATPearls*. Published online July 2017. PMID 28722855.
14. **Snowden J**, Bhimji S. Relapsing Fever. *STATPearls*. Published online July 2017. PMID 28722942.
15. Foris L, **Snowden J**. Proteus Mirabilis Infections. *STATPearls*. Published online July 2017. PMID 28723046.
16. Janssen B, **Snowden J**. Cryptosporidiosis. *STATPearls*. Published online October 2018. PMID 28846353.
17. Simonsen K, **Snowden J**. Smallpox. *STATPearls*. Published online October 2018. PMID 29262186.
18. Neemann K, Highsmith H, **Snowden J**. Tularemia. In: *Clinical Infectious Disease, 2<sup>nd</sup> edition*. Schlossberg D (ed), Cambridge Press, Submitted.
19. Abdelmaseeh T, **Snowden J**. Agammaglobulinemia. *STATPearls*. In preparation.
20. Young H, **Snowden J**. Update on Congenital Infections. *Updates on Pediatric Health and Disease*. Bentham Science, 2021. Accepted.
21. Dahl S, Skar G, **Snowden J**. Tularemia. In: *Rudolph's Pediatrics*. Rudolph CD, Rudolph AM, Hostetter MK, Lister G, Siegel NJ (eds), McGraw-Hill. Submitted.

Published audiovisual or computer based educational materials

1. **Nichols J**. Infectious Disease Images: Tularemia. January 2009 Featured Case. [www.idimages.org](http://www.idimages.org)
2. **Snowden J**. First Consult: Tularemia. August 2011. [www.mdconsult.com](http://www.mdconsult.com)
3. **Snowden J**. Update on select infections in the neonate. *Audio-Digest Pediatrics*. 2013 August; 59(30). ISSN 0271-1346.
4. **Snowden J**. Hot Topics in Infectious Disease. *Audio-Digest Pediatrics*. 2013 September; 59(36), ISSN 0271-1346.
5. **Snowden J**. Pediatric Board Review: Bacterial Pathogens. *Audio-Digest Pediatrics*. Accepted, April 2014.
6. **Snowden J**. Meningococcal Vaccines. *Children's Hospital Omaha Just In Time CME*. Published online February 2015.

7. **Snowden J.** Pneumococcal Vaccines. *Children's Hospital Omaha Just In Time CME*. Published online February 2015.
8. Frenck R, Fiscus M, **Snowden J.** EQIPP: Immunizations. *AAP*. In revisions to publish online Spring 2020.

### **Educational and Mentoring Activities**

Detailed Teaching Appendix available.

- |                |   |
|----------------|---|
| 2009 – present | Clinical and bedside teaching on the Pediatric Infectious Disease consult service   |
| 2009 –present  | Lectures to medical students, residents, and fellows (>90 hours)  |
| 2014 – present | Course director for 9 courses, including 4 current courses <ol style="list-style-type: none"> <li>1. UNMC Pediatric Writing Workshop</li> <li>2. ECHO IDeA States Pediatric Clinical Trials Network (ECHO ISPCTN) Professional Development Program</li> <li>3. UAMS Clinical and Translational Research (Arkansas Children's Campus rotation), UAMS Clinical Informatics Fellowship Program</li> <li>4. PRIME: Improving Pediatric Clinical Research Competency Through Interactive E-learning Modules</li> </ol> |

- |                |  |
|----------------|--|
| 2009 – present | <p>Mentoring Activities</p> <ol style="list-style-type: none"> <li>1. Undergraduates and Medical Students: 7 mentees           <ul style="list-style-type: none"> <li>Current: Samuel Edogun (UAMS)</li> <li>Kathryn Eaton (UAMS)</li> </ul> </li> <li>2. Graduate Students: 10 mentees           <ul style="list-style-type: none"> <li>Current: Aubree Honcoop (UNMC)*</li> </ul> </li> <li>3. Pediatric Residents: 4 mentees, all now in academic practice</li> <li>4. Pediatric Infectious Disease Fellows: 6 mentees, all now in academic or academic-affiliated practice</li> <li>5. Faculty: 19 mentees, 16 on-going           <ul style="list-style-type: none"> <li>Current: Gwenn Skar (UNMC)*</li> <li>Aleisha Nabower (UNMC)*</li> <li>Kari Neemann (UNMC)</li> <li>Michelle Hoffman (Gosliano Children's)</li> <li>Lori Devlin (University of Louisville)*</li> <li>Leslie Young (University of Vermont)*</li> <li>Sheva Chervinskiy (UAMS)*</li> <li>Rebecca Cantu (UAMS)*</li> <li>Heather Young (UAMS)</li> <li>Tara Johnson (UAMS)**</li> <li>Sara Sanders (UAMS)**</li> <li>Akilah Jefferson (UAMS)**</li> <li>Maryam Garza (UAMS)*</li> <li>Mallory Perry (CHOP)*</li> <li>Nadia Marconi (UAMS)</li> <li>Arunkumar Modi (UAMS)**</li> <li>Lauren Appell (UAMS)</li> </ul> </li> </ol> |
|----------------|--|

\*Associated with funded research work

---

**Community Service**

- 2009 – present      Extensive media involvement nationally and regionally in print, radio, and television, reflecting pediatric infectious disease expertise  
Selected national highlights:
- October 2014 CNN, What parents should know about EV-D68 <https://www.cnn.com/2014/09/08/health/enterovirus-d68-symptoms/index.html>; [CNN.com - Transcripts](#)
  - October 2014 CNN, Ebola [CNN.com - Transcripts](#)
  - March 2018, MD for Moms Radio, Childhood Illnesses <https://www.carlysnydermd.com/md-for-moms-radio-dr-jessica-snowden-sick-kids-march-7-2018/>
  - August 2021, *The Atlantic*, Delta is bad news for kids: [Why the Delta Variant Is a Serious Threat to Kids - The Atlantic](#)
  - August 2021 NBC Nightly News, [Watch NBC Nightly News with Lester Holt Excerpt: Troubling spike in Covid cases among children - NBC.com](#)
  - AP, [GOP governors, school districts battle over mask mandates \(apnews.com\)](#)
  - Newsweek, [Mom Regrets Not Vaccinating Daughter, 13, in Fight for Her Life on Ventilator \(newsweek.com\)](#)
- 2014 – 2018      Sanitation Improvement District #500 (Pacific Woods, Elkhorn)  
**Elected** representative
- 2014 - 2018      Food Advisory Board, Primrose Schools of Legacy
- 2009 – 2018      Volunteer physician, Pediatric Tuberculosis Clinic, OneWorld Community Health Centers. Omaha, NE