

JESSICA NICHOLS SNOWDEN, MD, MS, MHPTT



7/1/2022

Horace C. Cabe Distinguished Chair in Pediatric Infectious Disease
Professor and Division Chief, Pediatric Infectious Disease
Vice Chair for Research, UAMS Department of Pediatrics
(University of Arkansas for Medical Sciences)
Associate Director for Clinical and Translational Research, ACRI
(Arkansas Children's Research Institute)

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Current Appointments

University of Arkansas for Medical Sciences (UAMS)

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| 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 |

Other Current Appointments

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| 2018 – | Principal Investigator Data Coordinating & Operations Center ECHO IDeA States Pediatric Clinical Trial Network Little Rock, AR |
| 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;
- (2) Leveraging ECHO ISPCTN authority and expertise to establish second clinical research network for pediatric post-COVID-19 research (NIH-RECOVER);
- (3) Infectious Disease division growth in 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; and
- (4) Facilitating academic pediatrician identities and skills in faculty across multiple institutions through individual and institution level influence
- **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; and
 - (3) Masters degree in Health Professions Teaching and Technology, focused specifically on adults learners in health professions
 - **Nationally recognized clinical expertise** in pediatric infectious disease, with 12 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

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

Prior Academic Appointments

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|-------------|---|
| 2019 – 2022 | Director for Clinical and Translational Research Arkansas Children's Research Institute Little Rock, AR |
| 2019 – 2022 | 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) |

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| 2015 – 2018 | Little Rock, AR 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

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| 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

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| 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

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| 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 |

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| 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

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| 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

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| 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 |
| 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

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

Current University and Hospital Committee Assignments

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| 2021 – present | Arkansas Children's Workforce Planning Committee |
| 2021 – present | Arkansas Children's Patient Care Oversight Committee |
| 2020 – present | 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 |

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| 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"> ○ Microbiology “Invaders” foundations ○ Infectious disease synthesis ○ Pediatric synthesis |
| 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, Chair |
| 2014 – 2018 | UNMC Pediatric Infectious Disease Fellowship Program Evaluation Committee, Chair |
| 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**, Jeannette Lee
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

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| 2021 – present | <p>MoVeUP: Improving COVID-19 Vaccine Uptake Using mHealth Tools Operational Principal Investigator (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</p> |
| 2021 – present | <p>Reduction of indoor air pollution with high efficiency particulate air filtration to decrease respiratory symptom burden after hospitalization for bronchiolitis Operational Principal Investigator (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</p> |
| 2021 – present | <p>MoVeUP: Improving COVID-19 Vaccine Uptake Using mHealth Tools, A qualitative study Operational Principal Investigator (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</p> |
| 2020 – present | <p>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 Principal Investigator</p> |
| 2020 – present | <p>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 Task Force Member</p> |
| 2020 – present | <p>Antibodies Defining Response to SARS-CoV-2 in Population Exposure Testing (ADaPT) Co-investigator (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 Co-investigator (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</p> |

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| | Operational Principal Investigator (Full operational oversight for multisite trial) Mobile health obesity treatment in rural children 4-site IDeA States Pediatric Clinical Trials Network clinical trial |
| 2019 – present | Eating, Sleeping, Consoling for Neonatal Opioid Withdrawal (ESC-NOW): a Function-Based Assessment and Management Approach Operational Principal Investigator (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 |
| 2019 – present | Randomized Blinded Trial to Shorten Pharmacologic Treatment of Newborns with Neonatal Opioid Withdrawal Syndrome (Nows) Operational Principal Investigator (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 |
| 2018 – present | Vitamin D Supplementation in Children with Obesity Related Asthma (VDORA1) Operational Principal Investigator (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 |

Consulting Positions & Scientific Review

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| 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) |

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| 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. Rumple, 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

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| 2020 – present | National Institutes of Health; <i>ad hoc</i> Pediatric HIV / AIDS Cohort Study; <i>ad hoc</i> Veterinary training programs |
| 2020 – present | 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"> 1. Discovery Award – Hydrocephalus 2. Discovery Award – Emerging Infectious Diseases 3. Investigator Initiated Research Award – Hydrocephalus 4. Focused Program Award – Infectious Disease; COVID-19 |
| 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

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| 2018 – present | Intramural Grant Review: UAMS and Arkansas Children's Research Institute <ol style="list-style-type: none"> 1. Translational Research Institute Team Science Vouchers 2. Translational Research Institute Interinstitutional Pilot 3. COVID Pilot Funding |
| 2012 – 2018 | Intramural Grant Review: UNMC <ol style="list-style-type: none"> 1. University of Nebraska Medical Center Pediatric Research Fund 2. Edna Ittner Research Grant |

Editorial Review

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| 2022 – present | Associate Editor, <i>Journal of Infectious Diseases</i> |
| 2019 – present | Co-editor, <i>Frontiers in Cellular and Infection Microbiology</i> Research Topic: Updates in Pediatric Infectious Disease Laboratory Medicine and Diagnostics |
| 2016 – present | Editor-in-chief, Pediatric Infectious Disease, STATPearls |
| 2014 - present | Editorial board, <i>Medicine</i> |

Ad hoc journal review (28 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

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| 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)

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| 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. |

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| 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 <u>Workshop presentation</u> 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. <u>Platform presentation</u> 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 <u>workshop presentation</u> 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 <u>workshop</u> . |
| 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 <u>workshop</u> . |
| May 2019 | Snowden J, Hanson C, Furtado J, Van Ormer M, Anderson-Berry A. Maternal tobacco use affects the relationship between nutritional anti- |

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| | oxidants and infant inflammation. <u>Platform presentation</u> 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. <u>Platform presentation</u> at Pediatric Academic Societies Annual Meeting in Baltimore, MD. |
| March 2019 | Snowden J . Bench to Bedside: Advancing Pediatric Health Across the Research Spectrum. <u>Invited platform presentation</u> 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. <u>Invited platform presentation</u> 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 <i>Staphylococcus epidermidis</i> Biofilm and Microglia Co-Cultures. Presented at Society for Leukocyte Biology Annual Meeting in Phoenix, AZ as <u>poster and flash talk</u> (Kathryn Woods, presenter). * Kathryn Woods also awarded <u>Mentoring Diversity Award</u> . |
| 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. <u>Workshop</u> 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. <u>Platform presentation</u> 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. <u>Workshop</u> 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. <u>Workshop</u> 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. <u>Invited panel presentation</u> 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)

- 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.

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| 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. |
| February 2017 | Snowden J. Defining a Question. 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. PMCID 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- γ Agonists. *PPAR Research*. 2008 June; 2008:453120. PMCID 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:10.1042/AN20090004. *First two authors contributed equally. PMCID 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. PMCID 19454709
5. **Snowden J**, Stovall S. Tularemia: Retrospective Review of 10 Years' Experience in Arkansas. *Clinical Pediatrics*. 2010 September. PMCID 20837613

6. Nagarajan UM, Sikes J, Prantner D, Andrews CW, Goodwin A, **Snowden J**, Darville T. MyD88 deficiency leads to decreased NK cell IFN- γ 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, Thakrar 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. Accepted, *BMC Infectious Diseases*.
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. Kronman MP, **Snowden J**. Historical perspective on pediatric health disparities in infectious diseases: centuries in the making. *Journal of the Pediatric Infectious Disease Society*. Accepted, August 2022.

Articles in review for publication in scholarly journals

1. 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*.
2. Devlin L, Hu Z, Annett RD, Das A, Fuller JF . . . **Snowden J**, Young LW. The Direct and Indirect Associations of Maternal Medication-Assisted Treatment with the Severity of Neonatal Opioid Withdrawal Syndrome: A Cross-Sectional Study. In revision, *Journal of Pediatrics*.
3. 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*.
4. Boyanton B, **Snowden J**, Frenner R, Rosenbaum E, Young H, Kennedy J. COVID-19 Infection Mitigation Strategies Concomitantly Reduce Group A Streptococcus Pharyngitis. In review, *Clinical Pediatrics*.
5. Darden PM, Davis AM, Lee J, Bimali M, Simon AE, Atz A, Lim CS, Phan TL, Roberts JR, McCulloh R, Pyles L, Shaffer M, **Snowden J**. Recruitment Methods Targeting Rural Children in Primary Care Clinics: A Cluster Randomized Clinical Trial. In review, *JAMA Open*.

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, 2nd 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, 2nd 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
2. **Snowden J.** First Consult: Tularemia. August 2011. 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. French R, Fiscus M, **Snowden J.** EQIPP: Immunizations. *AAP*. In revisions to publish online Spring 2020.

Educational and Mentoring Activities

Detailed Teaching Appendix available.

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| 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"> 1. UNMC Pediatric Writing Workshop 2. ECHO IDeA States Pediatric Clinical Trials Network (ECHO ISPCTN) Professional Development Program 3. UAMS Clinical and Translational Research (Arkansas Children's Campus rotation), UAMS Clinical Informatics Fellowship Program 4. PRIME: Improving Pediatric Clinical Research Competency Through Interactive E-learning Modules |
| 2009 – present | Mentoring Activities <ol style="list-style-type: none"> 1. Undergraduates and Medical Students: 7 mentees <ul style="list-style-type: none"> Current: Samuel Edogun (UAMS) Kathryn Eaton (UAMS) 2. Graduate Students: 10 mentees <ul style="list-style-type: none"> Current: Aubree Honcoop (UNMC)* 3. Pediatric Residents: 4 mentees, all now in academic practice 4. Pediatric Infectious Disease Fellows: 6 mentees, all now in academic or academic-affiliated practice 5. Faculty: 19 mentees, 16 on-going <ul style="list-style-type: none"> Current: Gwenn Skar (UNMC)* |

Aleisha Nabower (UNMC)*
 Kari Neemann (UNMC)
 Michelle Hoffman (Gosliano Children's)
 Lori Devlin (University of Louisville)*
 Leslie Young (University of Vermont)*
 Sheva Chervinskiy (UAMS)*
 Rebecca Cantu (UAMS)*
 Heather Young (UAMS)
 Tara Johnson (UAMS)**
 Sara Sanders (UAMS)**
 Akilah Jefferson (UAMS)**
 Maryam Garza (UAMS)*
 Mallory Perry (CHOP)*
 Nadia Marconi (UAMS)
 Arunkumar Modi (UAMS)**
 *Associated with funded research work
 **Committee Chair, UAMS Department of
 Pediatrics Mentoring Program

Community Service

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| 2009 – present | <p>Extensive media involvement nationally and regionally in print, radio, and television, reflecting pediatric infectious disease expertise</p> <p>Selected national highlights:</p> <ul style="list-style-type: none"> 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, <i>The Atlantic</i>, 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 |