# Research (30%)

1. **Summary**

Since her initial appointment, Dr. \*\*\*\* has focused on research related to food allergy and mucosal immunology. Dr. \*\*\*\* has been involved in therapeutic trials for food allergy for her entire career, including enrolling the first peanut and egg oral immunotherapy (OIT) research participants in clinical trials in the United States during her Fellowship at \*\*\*\* University. During her early faculty appointment at UAMS, she capitalized on strong local research mentorship from established laboratory and basic science researchers focused on bacterial immunopathogenesis, mucosal immune responses and T-cell regulation to hone her laboratory and research skills. This collaborative work led to a funded NIH/NIAID Mentored Clinical Scientist Career Development Award (K08) focused on T-cell immunoregulatory networks and provided Dr. \*\*\*\* with a strong research foundation. Because of her continued interest and work in food allergy research and to better align her clinical and research efforts, Dr. \*\*\*\* has subsequently focused primarily on clinical and translational investigation in food allergy, applying the knowledge she gained from this early work and building productive collaborative research networks.

# Translational and Clinical Research in Food Allergy

Dr. \*\*\*\* is a nationally recognized expert in food allergy, with particular expertise in novel therapies, including oral immunotherapy (OIT), sublingual immunotherapy (SLIT), epicutaneous immunotherapy (EPIT) and application of novel biologics for treatment of food allergy. The original investigator-initiated research in egg and peanut OIT initiated by Dr. \*\*\*\* and her colleagues provided important foundational insights that have been built upon in multi-center clinical trials, ultimately leading to licensure of the first FDA-approved therapy for peanut allergy, Palforzia® produced by Aimmune Therapeutics. Dr. \*\*\*\* has been a co-investigator in the NIH-funded Consortium for Food Allergy Research (CoFAR) since its inception in 2005 and has taken on additional leadership within the consortium as a member of the Steering Committee and Conflict of Interest Committee. She has also served as Principal Investigator (PI) or Co- Investigator (Co-I) on multiple clinical research protocols involving therapeutic interventions in food-allergic children and adults. Dr. \*\*\*\* is currently the PI for the Food Allergy Research and Education (FARE) Clinical Network Discovery Center of Distinction which is funded through 2025. The FARE Clinical Network is the leading organization supporting clinical care and research in food allergy and has facilitated numerous advances in the field.

The Arkansas Children’s Food Allergy Clinical and Research Program has been leading innovative research and clinical trials in food allergy for the past three decades through NIH- funded, investigator-initiated, and industry-sponsored multi-center trials in food allergy. Dr. \*\*\*\* is the Associate Director of the program and helps lead a center that combines a skilled clinical research team adept at food allergy clinical trials, with established leadership, experience, and expertise in food allergy immunotherapeutics. Dr. \*\*\*\*’s contributions in the field of food allergy and successes in mentoring the next generation of academic physicians provides a strong foundation for continued expansion and advancement to assure future productivity and programmatic success.

# Mucosal Immunoregulatory Networks During Chlamydial Infection

During her early career, Dr. \*\*\*\* capitalized on strong basic science mentorship at UAMS to investigate mucosal T-cell immunoregulatory networks in chlamydia infection models, work that was funded by an NIH Mentored Clinical Scientist Career Development Award (K08). This research provided a foundation for application of knowledge gained from studying pathologic and protective mucosal immune responses in infection models to exploration of immunoregulatory networks in food allergic disease. *Chlamydia trachomatis* sexually transmitted infections (STI) are the most common bacterial STIs in the United States and worldwide and represent a significant public health concern due to their adverse effects on reproduction. Complications of this common STI, such as infertility and ectopic pregnancy, can be devastating and there are no reliable biomarkers to predict adverse disease outcomes. CD4+ T-helper type 1 (Th1) responses are

critical for resolution of infection, however these responses also result in reproductive tract pathology. Dr. \*\*\*\*’s work examined the contribution of distinct effector and regulatory T-cell subsets in resolution of infection and development of genital tract pathology resulting in peer- reviewed publications, presentations at scientific meetings and a strong research foundation in mucosal immunology.

# External Collaborations

Dr. \*\*\*\* has leveraged strong collaborative networks through the FARE Clinical Network, the NIH/NIAID Consortium of Food Allergy Research, and collaborative multi-center industry trials to advance care and treatment for individuals with food allergy. In addition to these national networks, Dr. \*\*\*\* and Dr. Drew Bird from University of Texas Southwestern and Children’s Medical Center in Dallas have developed the Food Allergy Collaborative of Texas and Arkansas (FACTA) to strengthen regional collaboration in food allergy investigation.

# Future Research Plans

Building on a foundation of success in the Arkansas Children’s Food Allergy Clinical and Research Program, Dr. \*\*\*\* plans to continue investigation of novel, next-generation therapies for individuals with food allergy using innovative approaches in collaboration with a nationwide network of experts. She is also interested in the impact of food allergy on mental health, resilience, and quality of life, particularly during the COVID-19 pandemic and has initiated a multi-center study with Dr. Drew Bird at UTSW to investigate this topic. Because of her long- standing interest in social determinants of health in food allergy, she has a developing collaboration with the Food Equality Initiative, one of the nation’s leading organization working to increase access to allergy friendly and gluten free foods for food-allergic, food-insecure individuals with food allergy and other disorders requiring restricted diets using their novel online delivery platform. Dr. \*\*\*\* will continue her leadership and involvement with the FARE Clinical Network with two novel food allergy therapeutic clinical trials set to begin in the next 3-4 months and an additional pilot project starting in the next 6-12 months. Dr. \*\*\*\* is committed to advancing the food allergy program’s overall mission to provide state-of-the art clinical care while advancing knowledge and new discovery toward therapeutic interventions and improved quality of life for food allergic individuals.

# Invited Reviewer

Dr. \*\*\*\* has served on national grant review panels including the Department of Defense, Congressionally Medical Research Program, Peer Reviewed Medical Research Program, Food Allergy Review Panel and the Food Allergy Research and Education (FARE) Discovery Center of Distinction Pilot Project Review Panels for 1) Food Allergy Immunotherapy; 2) Eosinophilic Esophagitis; 3) Biologics; 4) Patient-Centered Outcomes. She has been an expert reviewer for 8 journals.

# Research Funding

Dr. \*\*\*\* and her team have been successful in securing funding for their research efforts. She has received a total of $19,971,110 in extramural funding as a PI or Co-investigator. Dr. \*\*\*\* has been PI or Co-I on 44 clinical trials in food allergy with total funding of $5,880,204 (Principal Investigator- $1,230,628, Co-Investigator- $4,649,576). Due to her expertise in food allergy, Dr. \*\*\*\* has been asked to participate as a site lead investigator for 2 pending NIH awards, a U44 application evaluating a novel therapy for peanut allergy and a U01 application evaluating a food allergy prevention strategy using probiotic therapy in food allergy. In addition, a pilot project through the FARE Clinical Network Discovery Center of Distinction will be implemented over the next 6-12 months.

# Extramural Funding-Principal Investigator

American Academy of Pediatrics 2001 Resident Research Grant, **PI: AM \*\*\*\***. “Clinical Correlation of Asthma Severity with Beta-2-Adrenoreceptor Polymorphisms”. $3000, 7/01-6/02.

National Institutes of Health, PI Patrik Bavoil. NIH Subcontract Site **PI: AM \*\*\*\***. “Polymorphic Membrane Proteins of Chlamydia Trachomatis” $125,000 5/1/07-5/1/09.

National Institutes of Health Mentored Clinical Scientist Career Development Award (K08)- 1K08AI077932. **PI: AM \*\*\*\***. “Immunoregulatory Networks in Chlamydia Genital Tract Infection”. 12/25/2008-11/30/2013. Total Direct Costs: $612,500, Total Indirect Costs: $49,000, 75% Effort.

Food Allergy Research and Education (FARE), PI-S. Jones, **AM \*\*\*\***, “FARE Clinical Network.”

$300,000, 7/15-6/19. *\*transitioned to PI in 2017*

Food Allergy Research and Education (FARE), **PI: AM \*\*\*\*, “**FARE Clinical Network.” Discovery Center of Distinction, Food Allergy Collaborative of Texas and Arkansas. $100,000 annually, 9/2020- 8/2025

# Extramural Funding- Co-Investigator

Food Allergy and Anaphylaxis Network (FAAN). Co-PI: S. Jones, **Co-I:AM \*\*\*\***. “Oral Peanut Immunotherapy”, $81,250, 1/05-9/07.

NIH-NIAID, PI-H. Sampson, Site PI: S. Jones, **Co-I: AM \*\*\*\***. Consortium of Food Allergy Research, “Immunobiology of Peanut Allergy and Its Treatment: A Prototype Education Supplement”,

$245,955, 7/05-6/10.

National Peanut Board, Co-PI: S. Jones, AW Burks, **Co-I: AM \*\*\*\***. “Oral Immunotherapy for Peanut Allergy”, $300,000, 9/12/07-9/11/12.

Food Allergy Initiative and NIH, Site-PI: S. Jones, **Co-I: AM \*\*\*\***. “Establish a system for analyzing and certifying the quality of anti-allergy herbal products.” $172,231, 7/1/10-12/31/12.

Food Allergy Research and Education (FARE), Co-PI: S. Jones, AW Burks, **Co-I: AM \*\*\*\*** “Walnut Oral Immunotherapy (OIT) in Tree Nut Allergic Children and Adults”, $300,000, 3/1/12-12/31/17.

NIH-NIAID (U19AI066738), PI: H. Sampson, Site PI: S. Jones, **Co-I: AM \*\*\*\***. Consortium of Food Allergy Research, “Immunobiology of Peanut Allergy and Its Treatment: A Prototype”, $17,000,000 (Total Grant), $1,147,156 (Site Total), 7/05-6/10. Renewal (2U19AI066738): $1,389,311(Site Total) 7/10-6/17.

NIH-NIAID (UM1AI109565), PI: S. Jones (Study Co-Chair), **Co-I: AM \*\*\*\***. Immune Tolerance Network (ITN) “IMPACT Study: Oral Immunotherapy for Induction of Tolerance and Desensitization in Peanut Allergic Children.” $937,677, 5/1/12-9/30/19.

Food Allergy Research and Education (FARE), PI: S. Jones, **AM \*\*\*\***, “FARE Clinical Network.”$300,000, 7/15-6/19. *\*transitioned to PI in 2017*

NIH-NIAID (UM1AI130781) PI: S. Jones, **Co-I: AM \*\*\*\***. “Arkansas Center for Food Allergy Research (ArCOFAR)”. $1,645,000, 3/3/17-2/28/24.

NIH-NIAID (UM2AI130836) PI: R. Wood, Site PI: S. Jones, **Co-I: AM \*\*\*\***. “New Horizons in the Prevention and Treatment of Food Allergy.” 3/1/17-2/29/24: (Project 6, 7) $192,891, 3/1/17-8/31/18; (Project 11: OUtMATCH) $287,096/year, 3/1/19-2/29/23; (Project 12: SUNBEAM) $529,315/year, 9/1/18- 8/31/26 Role: Co-Investigator, Steering Committee, COI Committee

Johns Hopkins University, Project Director R. Wood, Site Project Director: S. Jones, **Co-I: AM \*\*\*\***. Funding agency, Genentech, Inc., “Omalizumab as Monotherapy and as Adjunct Therapy to Multi-Allergy OIT in Food Allergic Children and Adults (OUtMATCH) COFAR 11 $235,146, 6/1/19 - 2/29/22.

NIH/NIAID (2U54AI117804-06) PI: M. Rothenberg, Site PI: RD Pesek, **Site Co-I-AM: \*\*\*\***. “A prospective, multicenter study to compare and validate endoscopic, histologic, molecular, and patient- reported outcomes in pediatric and adult patients with eosinophilic esophagitis, gastritis, and

colitis”. Consortium of Eosinophilic Gastrointestinal Disease Researchers (CEGIR). $73,626. 9/17/2019- 8/31/2024.

NIH-NIAID (2UM1AI109565), Immune Tolerance Network, Co-PIs: J. Baker, R. Gruchalla, F. Adkinson; Site PI: S. Jones, **Co-I: AM \*\*\*\***. “Systemic Allergic Reactions to SARS-CoV-2 Vaccination”,

$585,150, 2/1/2021-1/31/2022.

# Intramural Funding- Principal Investigator

UAMS Arkansas Biosciences Institute Tobacco Settlement Research Fund. **PI: AM \*\*\*\*.** Immunopathogenesis of Chlamydia Genital Tract Infection. Support for salary and institutional research development funds. $344,703. 7/04-6/06.

Arkansas Children’s Hospital Research Institute (ACHRI) New Scientist Development Award. **PI: AM \*\*\*\***. “Persistence of *Chlamydia trachomatis* in the Female Gastrointestinal Tract”. $25,000. 9/05- 9/06.

UAMS Medical Research Endowment Herbert L. Thomas, Sr. Research Award. **PI: AM \*\*\*\***. “Characterization of Immunoregulatory Networks in Chlamydial Disease.” $13,947. 1/06-1/07.

Dean’s Research Development Fund. **PI: AM \*\*\*\***. “Immunoregulatory Networks in Chlamydial Disease.” $40,000. 1/06-1/08.

Marion B. Lyon New Scientist Development Award. **PI: AM \*\*\*\***. “The T-helper 17 Immune Response Following Chlamydia Trachomatis Genital Tract Infection” $50,000. 4/1/07-3/31/09.

Children’s University Medical Group, **PI: AM \*\*\*\***. Targeting PPAR-gamma to modulate the peanut allergic response. $40,000. 7/13-9/16.

# Clinical Trials

1. **Industry Funding-Principal Investigator**

Genocea Biosciences, **PI: AM \*\*\*\***. “T-cell Immune Responses to Chlamydia Trachomatis Infection”, $43,581, 8/1/08-7/31/2010.

Aimmune Therapeutics, Inc., **PI: AM \*\*\*\*.** Real-World AR101 Market-Supporting Experience Study in Peanut-Allergic Children Ages 4 to 17 Years (RAMSES) (ARC007) $238,689, 07/01/2017-06/30/2019.

Aimmune Therapeutics, Inc., **PI: AM \*\*\*\***. A Multicenter, Open-label, Long-term Safety Study of AR101 Characterized Oral Desensitization Immunotherapy in Subjects who Participated in a Prior AR101 Study (ARC008) $244,289, 11/20/2017-11/20/2020.

Aimmune Therapeutics, Inc., **PI: AM \*\*\*\***. Real-World AR101 Market-Supporting Experience Study in Peanut-Allergic Children, Active Treatment Arm Open-Label Extension Study (RAMSES OLE) (ARC011) $90,418, 02/01/2018-01/31/2020.

Aimmune Therapeutics, Inc., **PI: AM \*\*\*\***. Peanut Oral Immunotherapy Study of Early Intervention for Desensitization (POSEIDON) (ARC005) $244,288, 10/01/2018-09/30/2021.

Aimmune Therapeutics, Inc. **PI: AM \*\*\*\***. Phase 2 Study of AR201 Oral Immunotherapy for Desensitization in Children, Adolescents, and Young Adults with Hen Egg Allergy (AIME01) $138,653, 10/01/19-10/31/2021.

Siolta Therapeutics, **PI: AM \*\*\*\***. A Phase 1b/2, randomized, double-blind, placebo-controlled, multi-center study of STMC-103H in neonates and infants at high-risk for developing allergic disease.

$230,710, 6/1/2021-5/30/2023

Novartis, **PI: AM \*\*\*\*.** A 52-week, multi-center, randomized, double-blind placebo-controlled study to assess the clinical efficacy and safety of ligelizumab (QGE031) in decreasing the sensitivity to peanuts in patients with peanut allergy. Study start-up in progress, Targeted FPFV 12/2021.

# Industry Funding- Co-Investigator

Novartis Pharmaceuticals Corporation, PI: S. Jones, **Co-I: AM \*\*\*\***. Xolair (Omalizumab), Protocol IA05, “A 1 Year, Randomized, Double Blind, Parallel-Group, Placebo-Controlled, Multicenter Evaluation of Efficacy, Safety, Pharmacokinetics and Pharmacodynamics of Omalizumab in Children (6-<12 years) with Moderate-Severe, Persistent, Inadequately Controlled Allergic Asthma”, $72,784, 4/04-12/06.

Mead Johnson & Company, PI: S. Jones, **Co-I: AM \*\*\*\*.** “Assessment of Efficacy and Tolerance of Infant Formula Containing Prebiotics Fed to Infants”, $52,063, 4/04-4/05.

Aventis Pharmaceuticals, PI: S. Jones, **Co-I: AM \*\*\*\***, “A Randomized, Double-Blind, Parallel Group, Placebo-Controlled, four-week Efficacy and Safety Evaluation of Nasacort AQ 110 µg QD, Followed by Six-Month Open-Label Safety in Children Ages 2-5 years with Perennial Allergic Rhinitis”, XRG5029C3502, $39,438, 5/04-3/06.

Genentech, PI: S. Jones, **Co-I: AM \*\*\*\***. “A Phase II, Randomized, Double-Blind, Parallel Group, Placebo-Controlled, Oral Food Challenge Trial of XOLAIR® (Omalizumab) in Peanut Allergy,”

$158,260, 6/04-6/05.

Mead Johnson & Company, PI: S. Jones, **Co-I: AM \*\*\*\***. “Double Blind Placebo Controlled Trial of an Amino Acid Formula vs. Neocate in Children with Milk Hypersensitivity”, $48,500, 6/04- 6/05.

Mead Johnson, PI: S. Jones, **Co-I: AM \*\*\*\***. “The Effects on Growth and Development on an Elemental Formula Fed to Term Infants”, $20,062.50, 9/04-9/05

Nestle, PI: S. Jones, **Co-I: AM \*\*\*\***. “Assessment of Growth of Infants Fed US Starter Formula Containing Synbiotics”, $104,687, 9/04-9/05

Dyax, Inc., PI: S. Jones, **Co-I: AM \*\*\*\***. “EDEMA2: Evaluation of DX-88’s Effects in Mitigating Angioedema. An Open Label Study to Access the Efficacy and Tolerability of Repeated Doses of DX-88 (recombinant plasma kallikrein inhibitor) in Patients with Hereditary Angioedema”, $17,387, 10/04-12/06.

Mead Johnson, PI: S Jones, **Co-I: AM \*\*\*\*,** “Double Blind Placebo Controlled Trial of an Amino Acid Formula vs. Neocate in Children with Milk Hypersensitivity”, $59,839, 5/05-4/07.

Dyax Corp., PI: S. Jones, **Co-I: AM \*\*\*\***, “Edema 3: Evaluation of Dx-88’s Effects in Mitigating Angioedema (A double-blind, placebo-controlled study followed by a repeat dosing phase to assess the efficacy and safety of Dx-88 for the treatment of acute attacks of Hereditary Angioedema)”,

$9,425, 1/5/06-1/5/07

Mead Johnson, PI: S. Jones, **Co-I: AM \*\*\*\*.** “The Effects of Growth and Tolerance of Hydrolyzed Formulas Fed to Term Infants”, $47,788, 5/06-5/07.

Dyax Corp., PI: S. Jones, **Co-I: AM \*\*\*\*,** “Edema 4: A Randomized, Double-Blind, Placebo- Controlled, Multi-Center Study to Assess the Efficacy and Safety of DX-88 (Ecallantide) for the Treatment of Acute Attacks of Hereditary Angioedema”, $38,650, 4/1/07-4/1/10.

Dyax Corp., PI: S. Jones, **Co-I: AM \*\*\*\*.** “DX88/19 “Open label Patient Continuation of DX-88 (Ecallantide) for Acute Hereditary Angioedema Attacks”, $16,818, 4/1/07-4/1/10.

DBV Technologies, PI: S. Jones, **Co-I: AM \*\*\*\***. **“**Epicutaneous Immunotherapy (EPIT) for Peanut Allergy: A Randomized, Double-Blind, Placebo-Controlled Phase 1 Safety Study in Adult and Pediatric Subjects”, $358,875, 3/10-12/11.

Kedrion Biopharma, PI: R. Pesek, **Co-I: AM \*\*\*\***. “Multicenter, Open-label, historically controlled, Phase III Study to Assess the Efficacy, Tolerability, Safety, and Pharmacokinetics of Kedrion IVIG 10% in Adult and Pediatric Subjects with Primary Immunodeficiency (PID)”, $204,800, 4/13-6/14.

Danone Research, PI: R. Pesek, **Co-I: AM \*\*\*\***. “A prospective, double blind randomized controlled study to evaluate the immunological benefits and clinical effects of an elimination diet using an amino acid-based formula (AAF) with an added pre-probiotic blend in infants with cow’s milk allergy (PRESTO study).” $96,442, 2/1/13-7/30/19.

Allergen Research Corporation. PI: S. Jones, **Co-I: AM \*\*\*\***. “Oral Desensitization to Peanut in Peanut-Allergic Children and Adults using Characterized Peanut Allergen (CPNA) Oral Immunotherapy”,

$296,897, 1/1/14-12/31/14.

Allergen Research Corporation/Aimmune Therapeutics. PI: S. Jones, **Co-I: AM \*\*\*\***. “Oral Desensitization to Peanut in Peanut-Allergic Children and Adults using Characterized Peanut Allergen (CPNA) Peanut Oral Immunotherapy (OIT) Safety Follow-On Study”, $137,750, 5/14-10/17.

Patient Centered Outcomes Research Institute, PI: Pesek R, **Co-I: AM \*\*\*\***. Eosinophilic Esophagitis (EoE) Intervention Trial-Randomized 1 Food Elimination vs 4 Food Elimination Diet followed by Swallowed Glucocorticoids. $45,077, 1/1/15 – 12/31/17.

DBV Technologies, PI: S. Jones, **Co-I: AM \*\*\*\***. A Double-Blind, Placebo-Controlled Randomized Trial to Study the Efficacy and Safety of Viaskin Milk for Treating IgE-Mediated Cow’s Milk Allergy in Children (MILES Study)”, $131,330, 1/5/15-1/4/17.

Aimmune, Inc. PI: S. Jones, **Co-I: AM \*\*\*\***. “Peanut Allergy Oral Immunotherapy Study of AR101 for Desensitization in Children and Adults (PALISADE)”, $115,486, 12/2015-12/2017.

DBV Technologies, PI: S. Jones, **Co-I: AM \*\*\*\***. “A Double-Blind, Placebo-Controlled, Randomized Phase III Pivotal Trial to Assess the Efficacy and Safety of Peanut Epicutaneous Immunotherapy with Viaskin Peanut in Peanut-Allergic Children (PEPITES)”, $244,280, 5/2016-5/2018.

DBV Technologies, Inc., PI: S. Jones, **Co-I: AM \*\*\*\***. Long-term Assessment of Safety and Therapeutic Benefit of Viaskin Peanut Epicutaneous Treatment in Peanut-Allergic Children: A 6 month

Randomized, Double-blind, Placebo-Controlled Phase III Study Followed by An Open Label Active Treatment (REALISE Study). Phase 3, $241,665, 1/2017-1/2021.

DBV Technologies, Inc. PI: S. Jones, **Co-I: AM \*\*\*\***. Open Label Follow-up Study of the PEPITES Study to Evaluate the Long-Term Efficacy and Safety of Viaskin Peanut (PEOPLE STUDY) $124,400, 3/2017-2/2018.

DBV Technologies, PI: S. Jones, **Co-I: AM \*\*\*\***. A double-blind, placebo-controlled, randomized Phase 3 Trial to Assess the Safety and Efficacy of Viaskin® Peanut in Peanut- Allergic Young Children 1-3 Years of Age (EPITOPE) $159,791, 3/07/2017-2/28/2021.

Aimmune Therapeutics, Inc., PI: S. Jones, **Co-I: AM \*\*\*\***. Peanut Allergy Oral Immunotherapy Study of AR101 for Desensitization in Children and Adults (PALISADE) Follow on Study (ARC004)

$140,856, 03/17/2017-02/28/2020.

Astellas Pharma, Inc. PI: S. Jones, **Co-I: AM \*\*\*\***. Phase 1, Randomized, Placebo Controlled Study to Evaluate Safety, Tolerability and Immune Response in Adults Allergic to Peanut after Receiving Intradermal or Intramuscular Administration of ASP0892 (ARA LAMP vax), a Single Multivalent Peanut (Ara h1, h2, h3) Lysosomal Associated Membrane Protein DNA Plasmin Vaccine MATRIX 1001,

$219,698. 8/2017-2/2019.

DBV Technologies, PI: TT Perry, **Co-I: AM \*\*\*\***. An open-label Phase I study to assess the biological potency of peanut allergens extract in adolescent and adult peanut allergic subjects (BIOPOT study) $97,379, 01/31/2018-12/31/2018.

Regeneron Pharmaceuticals, Inc. PI: RD Pesek, **Co-I: AM \*\*\*\***. A Phase 3, Randomized, 3-Part Study to Investigate the Efficacy and Safety of Dupilumab In Adult and Adolescent Patients with Eosinophilic Esophagitis (EOE) $65,037, 11/01/2018-10/31/2023.

Astellas Pharma, Inc. PI: S. Jones, **Co-I: AM \*\*\*\*.** Phase 1, Randomized, Placebo Controlled Study to Evaluate Safety, Tolerability and Immune Response in Adolescents Allergic to Peanut after Receiving Intradermal or Intramuscular Administration of ASP0892 (ARA LAMP vax), a Single Multivalent Peanut (Ara h1, h2, h3) Lysosomal Associated Membrane Protein DNA Plasmin Vaccine MATRIX 1002, $162,550. 11/2018-2/2021

DBV Technologies, PI: S. Jones, **Co-I: AM \*\*\*\***. EPITOPE Open-label Extension Study to Evaluate the Long-term Clinical Benefit and Safety of DBV712 in Peanut-Allergic Children (EPOPEX)

$183,587, 12/01/2018-12/31/2021.

Regeneron Pharmaceuticals, Inc. PI: S. Jones, **Co-I: AM \*\*\*\*.** A Phase 2, Multicenter, Randomized, Double-Blind, Placebo-Controlled Study in Pediatric Subjects with Peanut Allergy to Evaluate the Efficacy and Safety of Dupilumab as Adjunct to AR101-CODIT (Peanut Oral Immunotherapy (OIT) $266,788, 2/01/18-6/30/2021.

Regeneron Pharmaceuticals, Inc.; PI: RD Pesek, **Co-I: AM \*\*\*\***. A Phase 3, Randomized, 3-Part Study to Investigate the Efficacy and Safety of Dupilumab in Adult and Adolescent Patients with Eosinophilic Esophagitis, $221,916, 11/2019-12/2021.

Regeneron Pharmaceuticals, Inc.; PI: RD Pesek, **Co-I: AM \*\*\*\***. A Randomized, Double-blind, placebo-controlled Study to investigate the Efficacy and Safety of Dupilumab in Pediatric Patients with Active Eosinophilic Esophagitis, $205,102. 7/20-7/22.

AstraZeneca AB; PI: RD Pesek, **Co-I: AM \*\*\*\***. A Multi-center, Randomized, Double-blind, parallel- group, placebo-controlled Study to Investigate the Use of Benralizumab for Eosinophilic Esophagitis (MESSINA), $244,168, 8/20-8/22.

# Pending submissions:

NIAID U44 Fast-track Application, Moonlight Therapeutics, PI: Samirkumar Patel, **Co-I: AM \*\*\*\***. “Safety and Tolerability of TASIS-Peanut (Targeted Allergen Specific Immunotherapy within the Skin) patch for the Treatment of Peanut Allergy.” *In review*.

NIAID U01 Implementation Award, Siolta Therapeutics, **Site PI: AM \*\*\*\***. A Phase 2 randomized, double-blind, placebo-controlled trial of STMC-103H to prevent food allergy in infants with atopic dermatitis. *In review.*

# Publications

Dr. \*\*\*\* has authored 44 peer-reviewed full-length original manuscripts, 10 invited review articles, and five book chapters, including being lead author for the book chapter in Pediatric Allergy, a leading textbook for the field, on immunotherapy for treatment of food allergy. She has four manuscripts that are currently in preparation or in review, including collaboration with experts in the field and innovative leaders in industry.

# Peer-reviewed original articles

* 1. **\*\*\*\* AM**, Althage KA, Christie L, Burks AW, Jones SM. Anaphylaxis after ingestion of gummy bears. *J Allergy Clin Immunol* 2002 Dec;110(6):936-7. PMID: 12464963
  2. Rosenzweig SD, Dorman SE, Uzel G, Shaw S, **\*\*\*\* AM**, Brown MR, Buckley RH, Holland SM. A novel mutation in Interferon-gamma receptor 2 with dominant negative activity: biological consequences of homozygous and heterozygous states*. J Immunol*. 2004 Sep 15; 173(6): 4000- 4008. PMID: 15356149
  3. Buchanan AD, Green TD, Jones SM, **\*\*\*\* AM**, Christie L, Althage KA, Steele PH, Pons L, Helm RM, Lee LA, Burks AW. Egg oral immunotherapy in nonanaphylactic children with egg allergy. *J Allergy Clin Immunol*. 2007 Jan;119 (1): 199-205. PMID: 17208602
  4. O’Connell CM, Ingalls R, Andrews CW, **\*\*\*\* AM**, Darville T. Plasmid-deficient *Chlamydia muridarum* fail to induce immune pathology and protect against oviduct disease. *J. Immunol*. 2007 Sep 15;179(6):4027-34. PMID: 17785841
  5. Hofmann AM, **\*\*\*\* AM**, Jones SM, Palmer KP, Lokhnygina Y, Steele PH, Kamilaris J, Burks AW. Safety of a peanut oral immunotherapy protocol in children with peanut allergy. *J Allergy Clin Immunol*. 2009 Aug; 124(2): 286-91, 291.e1-6. PMID 19477496.
  6. Tan C, Hsia RC, Shou H, Haggerty CL, Ness RB, Gaydos CA, Dean D, **\*\*\*\* AM**, Wilson DP, Bavoil PM. Chlamydia trachomatis-infected patients display variable antibody profiles against the nine-member polymorphic membrane protein family. *Infect Immun*. 2009 Aug; 77(8): 3218-26. PMID: 19487469.
  7. Jones SM, Pons L, Roberts JL, **\*\*\*\* AM**, Perry TT, Kulis M, Shreffler WG, Steele P, Henry KA, Adair M, Francis JM, Durham S, Vickery BP, Zhong X, Burks AW. Clinical efficacy and immune regulation with peanut oral immunotherapy. *J Allergy Clin Immunol*. 2009 Aug;124:292-300.e1-97. PMID 195777283.
  8. Varshney P, Steel PH, Vickery BP, Bird JA, Thyagarajan A, **\*\*\*\* AM**, Perry TT, Jones SM, Burks AW. Adverse reactions during peanut oral immunotherapy home dosing. *J Allergy Clin Immunol* 2009 Dec;124(6):1351-1352. PMID: 19913285
  9. Chavez A, Mian A, **\*\*\*\* AM**, Blackall D, Com G. Antibiotic hypersensitivity in CF: Drug-induced life-threatening hemolytic anemia in a pediatric patient. *J. Cystic Fibrosis* 2010 Dec; 9(6): 433-438. PMID: 20833594
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# Local/Regional Meetings:

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3. Jordan TJ, Jones SM, Perry TT, Palmer KP, Bleesing JJH, Lyle RE, **\*\*\*\* AM**. Immunologic Profile of a Preterm Neonate with Immune Deficiency Polyendocrinopathy Enteropathy, X-linked (IPEX) Syndrome. Pediatric Summit, September 6, 2007.
4. Bailey AE, Bleesing JJH, Jones SM, Perry TT, Palmer KP, Nagarajan UM, **\*\*\*\* AM**. Major Histocompatibility Complex Class II Deficiency in a Child with CD4 Lymphopenia, Hypogammaglobulinemia , Recurrent Pneumonia, and Enteroviral Meningitis. Pediatric Summit, September 6, 2007.
5. Haynes A, **\*\*\*\* AM**, Jones SM, Palmer KP, Hall P, Perry TT. Prolonged Eosinophilia and Respiratory Failure Associated with Visceral Larva Migrans. Pediatric Summit, September 6, 2007.
6. Jordan TJ, Jones SM**,** Perry TT, Palmer KP, Lyle RE, Bleesing JJ, **\*\*\*\* AM**. A preterm infant with immune dysregulation, polyendocrinopathy, enteropathy, X-linked syndrome. *J Invest Med* 2008;56(1):406.
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14. Freeman CL, **\*\*\*\* AM**, Jones SM, Perry TT. Complications associated with *Toxocara canis*

infection in three pediatric patients. *J Invest Med* 2009.

1. Petitto J, Perry TT, Schaefer GB, Jones SM, **\*\*\*\* AM**. Novel chromodomain helicase DNA binding protein 7 gene mutation associated with CHARGE and Atypical, Complete DiGeorge Syndromes. Southern Society for Pediatric Research February 17, 2011. *J Invest Med* 2011.
2. Anvari S, Hall PL, Perry TT, **\*\*\*\* AM**, Bufford JD, Jones SM. Influenza Vaccine Testing and Administration in Egg Allergic Children. Southern Society for Pediatric Research. *J Invest Med* 2011.
3. Cranmer JM, Ward WL, Hale RB, **\*\*\*\* AM**. Two Decades of Faculty Mentoring: An Effective Model for Successful Promotion and Career Development. UAMS Women in Research Poster Showcase- October 30, 2014