

BLFK

Curriculum Vitae

BARBARA LEE-FAUBERT KAPLAN

January 2023

PERSONAL

Home 679 Rieves Road
Starkville, MS 39759
517-896-9875 cell

Business Mississippi State University
College of Veterinary Medicine
Department of Comparative Biomedical Sciences
Center for Environmental Health Sciences
PO Box 6100
240 Wise Center Drive (for express delivery)
Mississippi State, MS 39762
662-325-1113
bkaplan@cvm.msstate.edu or barbara.kaplan@msstate.edu

EDUCATION

Doctor of Philosophy 2001
Pharmacology and Toxicology
Michigan State University
East Lansing, MI
Dissertation Title: *Cannabinoid-Induced Immune Suppression in Mouse Splenocytes Involves both Cannabinoid Receptor-Dependent and – Independent Mechanisms*

Bachelor of Sciences 1992
Environmental Toxicology
University of California, Davis
Davis, CA

EMPLOYMENT

Associate Professor (with tenure) July 2019 – present
Mississippi State University
Center for Environmental Health Sciences
Department of Comparative Biomedical Sciences
(name change from Basic Sciences in Fall 2020)
College of Veterinary Medicine
Mississippi State, MS

Assistant Professor August 2013 - June 2019
Mississippi State University
Center for Environmental Health Sciences

Department of Basic Sciences
College of Veterinary Medicine
Mississippi State, MS

Research Assistant Professor July 2004 – June 2013
Michigan State University
Center for Integrative Toxicology
Neuroscience Program (joined August 2011)
Department of Pharmacology and Toxicology
East Lansing, MI

Postdoctoral Research Associate May 2001 – May 2004
University of Chicago
Department of Surgery
Chicago, IL

Chemist III March 1994 – July 1995
Quanterra, Inc.
West Sacramento, CA

Chemist I July 1992 – March 1994
Eureka Laboratories, Inc.
Sacramento, CA



SCIENTIFIC AND PROFESSIONAL SOCIETIES

Member, Society of Toxicology and Immunotoxicology specialty section
Member, South Central Chapter of the Society of Toxicology
Member, International Cannabis Research Society



AWARDS

December 2022 Mississippi State University College of Veterinary Medicine Dean's Pegasus Award for Research
July 2021 Boehringer Ingelheim Research Mentorship Award
April 2021 Nominee, Mississippi State University Graduate Student Association Outstanding Advisor Award
February 2020 Society of Toxicology ToxScholar Travel Grant to visit Mississippi University for Women (\$200) *in person visit canceled due to COVID*
April 2019 Nominee, Mississippi State University Graduate Student Association Outstanding Advisor Award
April 2019 Nominee and accepted member, Omega Chapter of Phi Zeta Veterinary Academic Honor Society
February 2019 Society of Toxicology ToxScholar Travel Grant to visit Mississippi University for Women (\$220)
October 2018 Zoetis Award for Veterinary Research Excellence, Mississippi State University College of Veterinary Medicine
April 2018 Mississippi State University Division of Agriculture, Forestry, and Veterinary Medicine College of Veterinary Medicine Faculty Award

March 2018	Society of Toxicology ToxScholar Travel Grant to visit Mississippi University for Women (\$180)
February 2017	Society of Toxicology ToxScholar Travel Grant to visit Mississippi University for Women (\$200)
October 2013	Mississippi State University Graduate Student Recruitment Grant (\$500)
March 2012	Immunotoxicology Specialty Section of the Society of Toxicology Outstanding Young Investigator Award
March 2007	American Association of Immunologists Junior Faculty Travel Award (\$500)
May 2006	National Food Safety and Toxicology Center Research Expense Award (\$1800)
June 2000	International Cannabis Research Society Annual Meeting Student Travel Award
May 1997	Michigan State University Chapter of Sigma Xi Graduate Student Research Grant (\$500)

■ PROFESSIONAL DEVELOPMENT

March 2022	Organizer and moderator, Scientific Liaison Coalition, “Toxmasters: Feedback Makes Perfect”, webinar
February and March 2022	Organizer, Mississippi State University Office of Research and Economic Development, “Science Communication: Practice Makes Progress” seminar, Starkville, MS
September 2021 – December 2022	Accepted Participant, Mississippi State University Donald Zacharias Faculty Leadership Program, Starkville, MS
June 2021	Attendee, AAAS SciLine webinar “Ask a Reporter Anything: A Briefing for Scientists About how the News Works”, virtual
September 2020	Participant, Mississippi Science Communication Summit, virtual
May 2020	Certificate, ‘Online Teaching 101: Best Practices in Online Instruction’, Mississippi State University Center for Teaching and Learning, virtual
August 2018	Participant, Mississippi State University Alda-Kavli Leadership Workshop, Mississippi State University, Starkville, MS
October 2017	Accepted attendee, Nancy Walton Laurie Leadership Institute of Chi Omega Flagship Weekend “The Resilient Leader”, Memphis, TN Performed the Gallup Strengths Finder 2.0 Top 5 strengths identified: Woo, Positivity, Communication, Input, Learner
June 2017	Accepted attendee, Alan Alda Center for Communicating Science Boot Camp, Stony Brook University, Long Island, NY
June 2008	Accepted attendee, Grantsmanship Workshop, National Institutes of Health, National Center for Complementary and Alternative Medicine, Bethesda, MD

■ TEACHING EXPERIENCE

Mississippi State University College of Veterinary Medicine

CVM 5033	Veterinary Immunology Innate immunology lectures, Summers 2014 - present Innate immunity section director, Summers 2016 - present
CVM 6021	Essentials of Research Practice and Professionalism

Laboratory sociology and etiquette lectures, Fall semesters, 2014 - present

CVM 8011 Graduate Research Seminar
Course Director, Fall 2015, Spring 2019, Fall 2022
Course Co-director, Fall 2018, Spring 2022

Mississippi State University Department of Comparative Biomedical Sciences

CVM 4193/6193 Medical Pharmacology
CNS drugs, immunopharmacology, chemotherapeutics, biologics, and steroid lectures, Spring semesters 2015 - present
Course co-director, Spring semesters 2015 - present

CVM 8303 Advanced Immunology
Immunotoxicology lectures, Spring semesters, 2014 - present

CVM 8523 Organ Systems Toxicology I
Immunotoxicology lectures, Spring semesters (even years), 2014 - present

Mississippi State University Department of Biological Sciences

BIO 4413 Immunology
T cell development lecture, March 2014

Michigan State University Department of Pharmacology and Toxicology

PHM 431 Pharmacology of Drug Addiction
Marijuana and cannabinoids lectures, Fall semesters, 2005-2012

PHM 820 Cellular and Molecular Pharmacology and Toxicology
Halogenated aromatic hydrocarbons lectures, Fall semesters, 2004-2012

PHM 450 Introduction to Chemical Toxicology
Liver toxicology, metals toxicology, and immunotoxicology lectures, Spring semesters (various), 1999-2011

GRADUATE MENTORING

Mississippi State University

Audrey Miceli January 2023 - present
Masters of Science Thrive in Five Program (combined BS/MS)
Veterinary Medical Sciences Concentration

Christa Frodella June 2020 - December 2022
Doctor of Philosophy
Veterinary Medical Sciences Concentration

Dissertation title: *Unraveling the Anti-inflammatory Mechanisms and Efficacy of Cannabidiol on the Progression of a Murine Model of Multiple Sclerosis from the Innate to the Adaptive Immune System to Clinical Symptoms*

- Mississippi State University Office of Research and Economic Development Graduate Student Travel Award, March 2022
- 1st place, Graduate student poster presentation, Mississippi State University Graduate Student Symposium, June 2022
- 2nd place, Graduate student poster presentation, Mississippi State University College of Veterinary Medicine Annual Research Day, August 2022

Brittany Szafran

July 2014 - December 2020

Doctor of Philosophy (DVM/PhD program; DVM earned 2017),
Environmental Toxicology Concentration (Co-PI with Matthew Ross),
Dissertation title: *The Role of the Endocannabinoid System in Immune Homeostasis with an Emphasis on the Immune Effects of Carboxylesterase Inhibition by Chlorpyrifos in Murine Lung Tissue*

- Student representative for Society of Toxicology Comparative and Veterinary Specialty Section, May 2017-present
- 2nd place, Graduate student poster presentation, Society of Toxicology South Central Regional Chapter Annual Meeting, October 2017
- 2nd place, Graduate student poster presentation, Mississippi State University Graduate Research Symposium, February 2018
- Society of Toxicology Roger O. McClellan Student Award, March 2018
- 1st place, Graduate student oral presentation, Mississippi State University College of Veterinary Medicine Research Day, August 2018
- 2nd place, Graduate student oral presentation, Society of Toxicology South Central Regional Chapter Annual Meeting, October 2018
- 2nd place, Graduate student oral presentation, Mississippi State University College of Veterinary Medicine Research Day, August 2019
- Society of Toxicology Outstanding Graduate Student Leadership Committee Award, March 2019
- Mississippi State University Office of Research and Economic Development Graduate Student Award for the College of Veterinary Medicine, March 2020
- 2nd place, Graduate student poster presentation, Mississippi State University College of Veterinary Medicine Research Day, August 2020 (virtual)
- 2nd place Graduate student poster presentation, Mississippi State University Graduate Research Symposium, October 2020 (virtual)
- Grand Champion Runner Up Mississippi State University 3-Minute Thesis (3-MT) competition, November 2020 (virtual)
- Mississippi State University College of Veterinary Medicine 2021 Graduate Student Hall of Fame Award
- 2021 Boehringer Ingelheim Graduate Veterinary Research Award
- <https://vimeo.com/579189477/92a855264c>

James Nichols January 2015 - May 2020
DVM, Doctor of Philosophy (PhD started while in DVM; DVM earned 2016)
Veterinary Medical Sciences, Infectious Disease Concentration
Dissertation title: *Exploring the immunosuppressive properties of various agents in the experimental autoimmune encephalomyelitis models of multiple sclerosis*

- Selected for platform presentation for Veterinary Science Training Program (VSTP) Colloquium at NIH, August 2017
- The C. Edward Couvillion DVM/PhD Endowed Graduate Scholarship, October 2017
- American Association of Immunologists 2018 Trainee Poster Award, May 2018
- International Cannabinoid Research Society Student Travel Award, July 2018
- CVM-ORGS Graduate Student Travel Award, July 2018
- 3rd place, Graduate student poster presentation, Mississippi State University College of Veterinary Medicine Research Day, August 2018
- Mississippi State University College of Veterinary Medicine 2020 Graduate Student Hall of Fame Award

Michigan State University

Tyrell Simkins August 2007 - January 2014
Doctor of Philosophy (DO/PhD program), Neuroscience Program (Co-PIs Keith Lookingland and John Goudreau)
Dissertation Research Director for PhD dissertation: *The Function of Sympathetic Innervation in the Spleen and the Role of Endogenous CB₁/CB₂ Receptor Signaling*

■ POSTDOCTORAL TRAINEE MENTORING

Mississippi State University

Evangel Kummari October 2015 - May 2019
Postdoctoral researcher

- Outstanding Poster Presentation Award, UMMC Neuroscience Research Day, Jackson, MS, April 2017
- 2nd place, Postdoctoral poster presentation, Society of Toxicology South Central Regional Chapter Annual Meeting, Baton Rouge, LA, October 2017

Saphala Dhital April 2014 - September 2016
Research associate

Eun-Ju Yang March 2014 - November 2015
Postdoctoral researcher

■ VETERINARY SUMMER RESEARCH EXPERIENCE (SRE) MENTORING

Mississippi State University

Karis Blankenship	1 st year DVM summer research scholar 2022
Matt Mitsch	1 st year DVM summer research scholar 2022 <ul style="list-style-type: none"> ▪ First place, Oral Presentations for SRE Category, MSU-CVM Research Day, August 2022
Madison Mertz	1 st year DVM summer research scholar 2021
Abbey Fleming	1 st year DVM summer research scholar 2020
Carly Campbell	1 st year DVM summer research scholar 2020
Mimi Pelanne	1 st year DVM summer research scholar 2019
Clare Brown	1 st year DVM summer research scholar 2018
Jessica Sherman	1 st year DVM summer research scholar 2017 <ul style="list-style-type: none"> ▪ First place, Oral Presentations for SRE Category, MSU-CVM Research Day, August 2017
Christa Gilfeather	1 st year DVM summer research scholar 2016
Yianelly Rodriguez	1 st year DVM summer research scholar (Tuskegee University)
Ruiz	2015
Brittany Szafran	1 st year PhD/DVM summer research scholar 2014

■ VETERINARY STUDENT RESEARCH INITIATIVE (VSRI) MENTORING

Clare Brown	4 th year DVM student research rotation 2020
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■ POST BACCALAUREATE STUDENT MENTORING

Abigail Bell	part time research associate, May 2019-May 202 <ul style="list-style-type: none"> ▪ 3rd place, Non-student non-faculty poster presentation, Society of Toxicology South Central Regional Chapter Annual Meeting, October 2019
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■ UNDERGRADUATE MENTORING

Mississippi State University

Lucy Sword	Mississippi State University undergraduate student worker September 2022 – present
Kailyn Lott	Mississippi State University undergraduate student worker January 2022 – present
Olivia Cresswell	Mississippi State University undergraduate volunteer, directed independent study and Provost Scholar January 2020 – present <ul style="list-style-type: none"> ▪ 2nd place (tie), Undergraduate student poster presentation, Society of Toxicology South Central Regional Chapter Virtual Annual Meeting, November 2021
Quintrell Sturgis	Mississippi State University Mississippi INBRE Research Scholars Mentor Program May 2021 - July 2021
Ashleigh Nicaise	Mississippi State University undergraduate student worker January 2019 - June 2021 <ul style="list-style-type: none"> ▪ 1st Place Poster Award, Undergraduate Division Ecology, Cellular and Molecular Biology, Mississippi Academy of Sciences Summer Meeting, Starkville, MS, July 2019

Randi Jenkins Mississippi State University directed independent study
January 2020 - April 2020

Erin (Rushing) Sears Mississippi State University undergraduate student worker
November 2017 - May 2020

- 3rd Place Award, Poster Presentation, Biological Sciences and Engineering Category, Mississippi State University Shackoul's Honor College Undergraduate Research Symposium, Mississippi State, MS, April 2018

Amye McDonald Mississippi State University undergraduate student worker and Provost Scholar
August 2017 - May 2020
Honors College Thesis Title: *Effect of TCDD on B Cell Populations in Various Anatomic Locations in EAE*

- 1st place, Undergraduate student poster presentation, Society of Toxicology South Central Regional Chapter Annual Meeting, October 2018

Jaylan Sears Mississippi State University undergraduate volunteer
August 2018 - May 2019

- Mississippi State University Shackouls Honor College Travel Award, March 2019
- 3rd Place Award, Poster Presentation, Biological Sciences and Engineering Category, Mississippi State University Shackoul's Honor College Undergraduate Research Symposium, Mississippi State, MS, April 2019

Luke Wojohn Mississippi State University undergraduate student worker
June 2017 - December 2018

Jada Parish Mississippi State University undergraduate volunteer
October 2014 - May 2016

- 2nd Place Award, Poster Presentation, Biological Sciences and Engineering Category, Mississippi State University Shackoul's Honor College Undergraduate Research Symposium, Mississippi State, MS, April 2015

Gabriella Yray Decker Mississippi University for Women Mississippi INBRE Research Scholars Mentor Program
May 2016 - July 2016

- Honorable Mention, Poster Presentation, Mississippi Academy of Sciences Annual Meeting, Hattiesburg, MS, February 2017

Robert Grady Mississippi State University undergraduate volunteer
September 2015 - May 2016

Leanne Cornelius Mississippi State University undergraduate volunteer
February 2014 - April 2015

William Parker Mississippi State University undergraduate volunteer
January 2014 - May 2014

Michigan State University

Anthony Bach Michigan State University undergraduate volunteer
May 2011 - August 2011 and June 2012 - August 2012

Nidhal Ghraib Michigan State University undergraduate volunteer
October 2010 - April 2011

Ryan DasGupta Michigan State University undergraduate volunteer

Nicholas Lichorobiec September 2009 - December 2010
Michigan State University undergraduate volunteer and independent study

Lauren Topper March 2009 - July 2010
Michigan State University undergraduate volunteer

Sapna Sharma March 2008 - July 2010
Kalamazoo College senior individualized project

Ericka Velez June 2009 - September 2009
University of Puerto Rico at Cayey
Michigan State University McNair-Summer Research Opportunities Program (SROP) Scholars Program
May 2009 - August 2009 and May 2010 - August 2010

■ HIGH SCHOOL STUDENT MENTORING

Chaeyeong Ahn junior at Starkville High School
January 2023 – present

Jordan Rogers senior at Mississippi School of Math and Science
May 2021 - August 2021

■ STUDENT ADVISORY COMMITTEES

Mississippi State University

Katie Strickland Masters, Department of Comparative Biomedical Sciences
PI Janice Chambers, October 2021 - present

Cassandra Barber Doctor of Philosophy (DVM/PhD program), Department of Pathobiology and Population Medicine
PI Amelia Woolums, June 2021 - present

Chiquita Price Doctor of Philosophy, Department of Comparative Biomedical Sciences
Environmental Toxicology track
PI Janice Chambers, August 2019 - present

Darby Stanford Doctor of Philosophy, Department of Comparative Biomedical Sciences
Environmental Toxicology track
PI Janice Chambers, January 2019 - present

Kylee Burroughs Masters, Department of Comparative Biomedical Sciences
PI Russell Carr, October 2021 - July 2022

Afzaal Nadeem Mohammad Doctor of Philosophy, Department of Basic Sciences
Environmental Toxicology track
PI Russell Carr, November 2014 - June 2018

Juyeun Lee Doctor of Philosophy, Department of Basic Sciences
PI Keun Seok Seo, April 2016 - March 2018

Michigan State University

Weimin Chen Doctor of Philosophy, Department of Microbiology and Molecular Genetics
PI Norbert Kaminski, August 2008 - February 2014

Shawna D'Ingillo Master of Science, Department of Pharmacology and Toxicology
PI Norbert Kaminski, January 2012 - November 2013

Jose Suarez-Martinez	Doctor of Philosophy, Comparative Medicine and Integrative Biology Program PI Norbert Kaminski, August 2012 - August 2013
Natalia Kovalova	Doctor of Philosophy, Department of Pharmacology and Toxicology PI Norbert Kaminski, August 2010 - August 2013
Thitirat Ngaoteprutaram	Doctor of Philosophy, Department of Pharmacology and Toxicology PI Norbert Kaminski, August 2008 - February 2013
Priyadarshini Raman	Doctor of Philosophy, Department of Pharmacology and Toxicology PI Norbert Kaminski, February 2007 - December 2011
Peer Karmaus	Doctor of Philosophy, Department of Cell and Molecular Biology PI Norbert Kaminski, November 2006 - August 2011
Haitian Lu	Doctor of Philosophy, Department of Pharmacology and Toxicology PI Norbert Kaminski, June 2007 - October 2010
Kelly Janis	Doctor of Philosophy (DO/PhD program), Neuroscience Program PI John Goudreau, February 2007 - September 2008

FUNDING

PENDING

CURRENT

PI, "Investigation of AhR Ligands on FcGamma Receptor Signaling: Consequences of Antibody Suppression"	
2R15 ES027650	08/03/22-08/02/25
NIH/National Institute for Environmental Health Sciences	\$300,000 total directs

PI, "Research Experience Program for Veterinary Students"	
N/A	04/28/21-08/31/21
Boehringer-Ingelheim	\$10,000 total costs

Co-PD/PI (Co-PD/PI, Pruett and Samuel), "Summer Research Experience for Veterinary Students"	
T35OD010432	05/01/21-04/30/27
NIH	\$545025 total directs

Co-I (PI Ross), "Crosstalk between CES1 and PPAR α and LXR α "	
1R15HL157818-01A1	3/15/22-03/14/25
NIH/National Heart, Lung, Blood Institute	\$300,000 total directs

COMPLETED

Co-PI (Co-PI Carr, Ross and Swanson), "Analysis of Blood Levels of CBD utilizing a Slow-Release Device"	
N/A	11/01/21-04/30/22
NanoMedical Systems, Inc. (Austin, TX)	\$28,141 total cost

PI, "TCDD-treated B Cells Modulate T Effector and T Regulatory Function in EAE"

R15 ES027650 09/30/17-08/31/20
NCE 2021
NIH/National Institute for Environmental Health Sciences \$300,000 total directs

PI, "Superantigen-induced T Regulatory Cells as a Cell-based Treatment for EAE"
Junior Investigator NIH/NIGMS (\$200,000 direct per year) 06/01/16-05/31/18
Parent grant:
P20GM103646 (PI Pruett) 06/01/13-05/31/18
NIH/National Institute of General Medical Sciences \$2,016,391 (FY 2015)
"Center for Biomedical Research Excellence on Pathogen-Host Interactions"

Co-Investigator (PI Ross), "Role of Carboxylesterases in Innate Immunity"
R15 GM128206 04/01/18-03/30/21
NCE 2021
NIH/National Institute for General Medical Sciences \$300,000 total directs

INTRAMURAL COMPLETED

PI, "Investigation of Additive or Synergistic Anti-inflammatory and Analgesic Effects Between Cannabidiol (CBD) and Lipoxin A4 (LXA4)" Mississippi State University College of Veterinary Medicine Office of Research and Graduate Studies Seed Grant (\$10,000), September 2020

PI, "Investigation of mechanisms for cannabinoid-mediated suppression of Th1/Tc1 immunity"
Mississippi State University College of Veterinary Medicine Office of Research and Graduate Studies Seed Grant (\$10,000), September 2019

PI, "The role of interleukin (IL)-6 in inflammation-induced suppression of endocannabinoid metabolizing enzymes" Mississippi State University College of Veterinary Medicine Office of Research and Graduate Studies Seed Grant (\$9,990), August 2015

Co-PI, "Effect of exposure to persistent organic pollutants on the development of hepatic steatosis and steatohepatitis" Mississippi State University College of Veterinary Medicine Office of Research and Graduate Studies Seed Grant (\$9,800), August 2014

PI, "The Effect of Plant-Derived Cannabinoids on LPS-Induced Pulmonary Inflammation"
Michigan State University Respiratory Research Initiative Group Seed Grant (\$15,000), February 2008

PI, "The Effect of Plant-Derived Cannabinoids on LPS-Induced Pulmonary Inflammation",
Michigan State University Respiratory Research Initiative Group Seed Grant (\$15,000), November 2006



PUBLICATIONS

2023 Brown C, Mitsch M, Blankenship K, Campbell C, Pelanne M, Sears J, Bell A, Olivier AK, Archer T and Kaplan BLF. Canine Immune Cells Express High Levels of CB1 and CB2 Cannabinoid Receptors and Cannabinoid-Mediated Alteration of Canine Cytokine Production is Vehicle-Dependent. Submitted, *Vet Immunol Immunopath.*

- 2023 Szafran B, Nichols J, Nicaise A, Borazjani A, Carr RL, Wilson JR, Ross MK and Kaplan BLF. *Cnr1* Knockout has Minimal Impact on Chlorpyrifos-mediated Effects in the Mouse Endocannabinoid System, but it Does Alter Lipopolysaccharide-induced Cytokine Levels in Splenocytes. Submitted, *Chemico-Biological Interactions*
- 2023 Kaplan BLF and Lawrence BP. Environmental Chemical-Sensing AHR Remains an Enigmatic Key Player in Toxicology. Submitted, *Environ Health Perspec*, *invited editorial
- 2023 Nichols J and Kaplan BLF. Transgenic 2D2 Mice Exhibit Age-dependent Effects in the Passive EAE Model. Submitted, *Cells*
- 2022 Kaplan BLF, Swanson EA, Ross MK, Olivier AK, Guo-Ross SX, Burroughs KB, Ross AK, Matula M, Tarbox T, Greenberg M and Carr RL. Nanochannel Delivery for CBD Therapy: Sustained Low Level Plasma Levels without Liver Toxicity. In Press, *J Drug Delivery Sci Technol*
- 2022 McDonald A, Nicaise A, Rushing Sears E, Bell A, Kummari E and Kaplan BLF. Potential for TCDD to Induce Regulatory Functions in B Cells as Part of the Mechanism for T Cell Suppression in EAE. *Toxicol Appl Pharmacol*. 454: 116259. doi 10.1016/j.taap.2022.116259
- 2022 Szafran B, Borazjani A, Scheaffer H, Crow J, McBride A, Adekanye O, Lehner R, Kaplan BLF and Ross, MK. *Ces1d* Inactivation Augments Lung Inflammation in Female Mice. *ACS Pharmacol Transl Sci*. 5: 919-931. doi: 10.1021/acsptsci.2c00098
- 2022 Germolec DR, Lebrec H, Anderson SE, Bureson GR, Cardenas A, Corsini E, Elmore SE, Kaplan BLF, Lawrence BP, Lehmann GM, Maier CC, McHale CM, Myers LP, Pallardy M, Rooney AA, Zeise L, Zhang L and Smith MT. Consensus on the Key Characteristics of Immunotoxic Agents as a Basis for Hazard Identification. *Environ Health Perspec*. 130: 105001. doi: 10.1289/EHP10800
- 2022 Kaplan BLF, Baglolle C and Sulentic CEW. The Enigmatic Role of the Aryl Hydrocarbon Receptor in Immune Modulation: Some Progress but More Questions. *Front Toxicol*. 4: 1-3. *editorial doi: 10.3389/ftox.2022.941665
- 2022 Aloufi N, Traboulsi H, Namkung Y, Wilson E, Laporte S, Kaplan BLF, Ross M, Nair P, Eidelman DH and Baglolle CJ. Standardized Cannabis Smoke Extract Induces Inflammation in Human Lung Fibroblasts. *Front Pharmacol*. 13:852029. doi: 10.3389/fphar.2022.852029
- 2022 Nicaise AJ, McDonald A, Rushing Sears E, Sturgis T and Kaplan BLF. TCDD Inhibition of IgG1 Production in Experimental Autoimmune Encephalomyelitis (EAE) and In Vitro. *Antibodies*. 11: 4. doi.org/10.3390/antib11010004
- 2022 Stokes JV, Nicaise AJ, Frodella CM, Varela-Stokes A, Thompson T and Kaplan BLF. Isolation of Transcriptomic-Quality Total RNA from Mouse Spinal Cords. *Current Prot Neurosci*. 2(1):e338. doi: 10.1002/cpz1.338
- 2021 Szafran B, Borazjani A, Seay C, Carr R, Lehner R, Kaplan BLF and Ross, MK. Effects of Chlorpyrifos on Serine Hydrolase Activities, Lipid Mediators, and Immune Responses in Lungs of Neonatal and Adult Mice. *Chem Res Toxicol*. 34: 1556-1571. DOI: 10.1021/acs.chemrestox.0c00488
- 2021 Kummari E, Rushing E, Nicaise A, McDonald A and Kaplan BLF. 2021. TCDD Attenuates EAE Through Induction of FasL on B Cells and Inhibition of IgG Production. *Toxicology*. 448:152646. DOI: 10.1016/j.tox.2020.152646
- 2021 Nichols JM, Kummari E, Sherman J, Yang EJ, Dhital S, Gilfeather C, Yray G, Morgan T and Kaplan BLF. CBD Suppression of EAE is Correlated with Early Inhibition of Splenic IFN- γ +CD8⁺ T Cells and Modest Inhibition of

- Neuroinflammation. *J Neuroimmune Pharmacol.* 21:10 DOI: 10.1007/s11481-020-09917-8.
- 2021 Nichols JM and Kaplan BLF. The CB₁ Receptor Differentially Regulates IFN- γ Production *In Vitro* and in Experimental Autoimmune Encephalomyelitis. *Cannabis Cannabinoid Res.* 6:300-314. doi: 10.1089/can.2020.0046
- 2020 Szafran BN, Pinkson R, Perveen Z, Ross MK, Morgan T, Paulsen DB, Penn AL, Kaplan BLF and Noel A. Electronic Cigarette Vehicles and Flavoring Affect Lung Function and Immune Responses in a Murine Model. *Int J Mol Sci.* 21: 6022-6044. DOI: 10.3390/ijms21176022
- 2020 Nichols JM and Kaplan BLF. Immune Responses Regulated by Cannabidiol (CBD). *Cannabis Cannabinoid Res* 5: 12-31. * peer-reviewed review article DOI: 10.1089/can.2018.0073
- 2019 Coole JB, Burr SS, Kay AM, Singh JA, Kondakala S, Yang EJ, Kaplan BLF, Howell GE 3rd, and Stewart JA. Persistent organic pollutants (POPs) increase rage signaling to promote downstream cardiovascular remodeling. *Environ Toxicol.* 34: 1149-1159. DOI: 10.1002/tox.22817
- 2019 Kummari E, Nichols J and Kaplan BLF. Neuroinflammation and B Cell Phenotypes in Cervical and Lumbosacral Regions of the Spinal cord in Experimental Autoimmune Encephalomyelitis in the Absence of Pertussis Toxin. *Neuroimmunomodulation.* 26:198-207. DOI: 10.1159/000501765
- 2018 Szafran B, Lee JW, Borazjani A, Morrison P, Zimmerman G, Andrzejewski K, Ross MK and Kaplan BLF. Characterization of Endocannabinoid Metabolizing Enzymes in Human Peripheral Blood Mononuclear Cells Under Inflammatory Conditions. *Molecules.* 23: 3167-3180. DOI: 10.3390/molecules23123167
- 2018 Mohammed AN, Alugubelly N, Kaplan BLF, and Carr RL. Effect of Repeated Juvenile Exposure to Δ^9 -tetrahydrocannabinol on Anxiety-related Behavior and Social Interactions in Adolescent Rats. *Neurotoxicol and Teratol.* 69: 11-20. DOI: 10.1016/j.ntt.2018.06.003
- 2018 Li J, Bach A, Crawford RB, Phadnis-Moghe AS, Chen W, D'Ingillo SD, Kovalova N, Suarez-Martinez J, Zhou J, Kaplan BLF and Kaminski NE. CLARITY-BPA: Effects of Chronic Bisphenol A Exposure on the Immune System: Part 1 – Quantification of the Relative Number and Proportion of Leukocyte Populations in the Spleen and Thymus. *Toxicology.* 396-397: 46-53. DOI: 10.1016/j.tox.2018.01.004
- 2018 Li J, Bach A, Crawford RB, Phadnis-Moghe AS, Chen W, D'Ingillo SD, Kovalova N, Suarez-Martinez J, Zhou J, Kaplan BLF and Kaminski NE. CLARITY-BPA: Effects of Chronic Bisphenol A Exposure on the Immune system: Part 2 – Characterization of Lymphoproliferative and Immune Effector Responses by Splenic Leukocytes. *Toxicology.* 396-397: 54-67. DOI: 10.1016/j.tox.2018.02.004
- 2018 Kaplan BLF. Endocannabinoid Engagement of CB₂ regulates RSV-induced Immunity. *Virulence.* 9:494-495. *invited editorial DOI: 10.1080/21505594.2017.1421830
- 2018 Lee JY, Park N, Park JY, Kaplan BLF, Pruett SB, Park JW and Seo KS. Induction of Immunosuppressive CD8⁺CD25⁺FOXP3⁺ Regulatory T cells by Suboptimal Stimulation with Staphylococcal Enterotoxin C1. *J Immunol.* 200: 669-680. DOI: 10.4049/jimmunol.1602109
- 2017 Dhital S, Stokes J, Park N, Seo KS and Kaplan BLF. Cannabidiol (CBD)-Induced Immunosuppression in Response to Low-Level T Cell Activation Involves Induction of Functional Tregs. *Cell Immunol.* 312: 25-34. DOI: 10.1016/j.cellimm.2016.11.006.

- 2017 Mulligan C, Kondakala S, Yang E-J, Stokes JV, Stewart JA, Kaplan BLF and Howell GE. Exposure to an Environmentally Relevant Mixture of Organochlorine Compounds and Polychlorinated Biphenyls Promotes Hepatic Steatosis in Male *ob/ob* Mice. *Environ Toxicol.* 32: 1399-1411. DOI: 10.1002/tox.22334
- 2016 Phadnis-Moghe A, Chen W, Li J, Crawford RB, Bach T, D'Ingillo S, Kovalova N, Suarez-Martinez J, Kaplan BLF, Harrill JA, Budinsky R, Rowlands JC, Thomas RS and Kaminski NE. Immunological Characterization of the Aryl Hydrocarbon Receptor (AHR) Knockout Rat in the Presence and Absence of 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD). *Toxicol.* 368-369: 172-182. DOI: 10.1016/j.tox.2016.08.019
- 2016 Simkins TJ, Fried D, Parikh K, Galligan JJ, Goudreau JL, Lookingland KJ and Kaplan BLF. Reduced Noradrenergic Signaling in the Spleen Capsule in the Absence of CB₁ and CB₂ Cannabinoid Receptors. *J Neuroimmune Pharmacol.* 11:669-679. DOI: 10.1007/s11481-016-9689-2
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CHAPTERS

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- 2021 Kaminski NE and Kaplan BLF. Immunomodulation by Cannabinoids: Current Uses, Mechanisms, and Identification of Data Gaps to be Addressed for Additional Therapeutic Application. *Advances in Pharmacology* Volume 91. (ed. CE Rockwell and B Copple). Chapter 1. Pp. 1-59. Science Direct. DOI: 10.1016/bs.apha.2021.01.001
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- 2018 Kaplan BLF. Evaluation of Marijuana Compounds on Neuroimmune Endpoints in Experimental Autoimmune Encephalomyelitis. In: *Current Protocols in Toxicology.* 75: 11.25.1-11.25-22. Wiley, Hoboken, NJ. DOI: 10.1002/cptx.43.
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- 2008 Kaminski NE, Faubert Kaplan BL, and Holsapple MP. Toxic Responses of the Immune System. In: Casarett and Doull's *Toxicology 7th Edition* (ed. CD Klaassen). Chapter 12. McGraw-Hill, New York, NY.

PODCASTS

- 2023 Society of Toxicology Adverse Reactions, season 3, "Interactions" . In preparation.
- 2021 It's High Time We Talked About Cannabis. ScienceNight.com. Posted November 5, 2021
<https://www.scinight.com/episodes/its-high-time-we-talked-about-cannabis>

BLOGS

- 2018 [Kaplan BLF. CBD is Certainly a Big Deal! PLOS Science Communication Blog. Posted July 5, 2018. http://blogs.plos.org/scicomm/2018/07/05/cbd-is-certainly-a-big-deal/](http://blogs.plos.org/scicomm/2018/07/05/cbd-is-certainly-a-big-deal/)
- 2017 [Kaplan BLF. Marijuana: More Than Just the High. PLOS Science Communication Blog. Posted October 25, 2017. http://blogs.plos.org/scicomm/2017/10/25/marijuana-more-than-just-the-high/](http://blogs.plos.org/scicomm/2017/10/25/marijuana-more-than-just-the-high/)

■ INTERVIEWS

- 2019 Phone interview, Amanda Hoover, NJ.com, “CBD to cure the common cold? Experts are split on its powers” story posted November 25, 2019

■ INVITED SPEAKING ENGAGEMENTS

- September 2022 The Other Project in the Kaplan Lab: TCDD Induces Regulatory B Cells to Suppress Autoimmune Disease, Mississippi State University College of Veterinary Medicine Graduate Seminar Course, Starkville, MS
- September 2022 Insights Regarding CBD’s Immune Suppressive Effects Obtained from Murine and Canine Cells, University of Iowa Interdisciplinary Graduate Program in Human Toxicology seminar series, virtual
- February 2022 Pursuing Research with Integrity on Controversial Topics: Marijuana in the Immune System, Society of Toxicology, Faculty United for Toxicology Undergraduate Recruitment and Education (FUTURE) Committee, Undergraduate Education Network Webinar, virtual
- October 2021 Research Opportunities at MSU-CVM, Mississippi State University Pre-Vet Club, Starkville, MS
- November 2020 Inhibition of Peripheral Immune Function and Neuroinflammation by CBD in EAE, Michigan State University Center for Research on Ingredient Safety Annual Meeting, virtual
- December 2019 Mechanisms and Critical Targets of Immune Modulation by CBD, University of Mississippi, Department of BioMolecular Sciences, Oxford, MS
- October 2019 Mechanisms of Immune Suppression by Plant-Derived Cannabinoids, East Carolina University, Department of Anatomy and Cell Biology, Greenville, NC
- February 2019 Basic Research in MSU CVM: A PhD Studies Marijuana, Mississippi State University Pre-Vet Club, Starkville, MS
- April 2017 Immune Suppression by Plant-Derived and Endogenous Cannabinoids, University of Southern Mississippi, Department of Biological Sciences, Hattiesburg, MS
- April 2017 The Immunopharmacology of Cannabinoid Compounds, University of Mississippi School of Pharmacy, Third Year Assembly, Jackson, MS
- February 2017 Let’s Talk About Toxicology, Mississippi University for Women, Department of Mathematics and Science, Columbus, MS
- February 2014 NFAT is a Critical T Cell Target of Cannabinoid Compounds, Mississippi State University, Department of Biological Sciences, Starkville, MS

December 2013	Immunopharmacology of Cannabinoid Compounds: Roles of the G Protein-Couple Receptors CB ₁ and CB ₂ , Quarantine and Inspection Agency Veterinary Drugs and Biologics Division, Seoul, South Korea
December 2013	Immunopharmacology of Cannabinoid Compounds: Roles of the G Protein-Coupled Receptors CB ₁ and CB ₂ , Kyungpook National University College of Pharmacy, Daegu, South Korea
August 2012	The Role of CB ₁ , CB ₂ and β ₂ AR in Cannabinoid-Mediated Inhibition of Spleen Capsule Norepinephrine and Humoral Immunity, Mississippi State University Department of Basic Sciences, Starkville, MS
April 2012	The Role of CB ₁ , CB ₂ and β ₂ AR in Cannabinoid-Mediated Suppression of Immune Function, Midwestern University, Department of Pharmacology, Downers Grove, IL
April 2012	Cannabis Chemistry, Biology and Immunology: An Overview of the Compounds that Comprise Marijuana, University of Illinois, Alpha Chi Sigma Professional Chemistry Fraternity, Louis Krug Lecture, Champaign, IL
September 2011	Δ ⁹ -Tetrahydrocannabinol (THC)-Induced Inhibition of Norepinephrine in the Splenic Capsule: A Mechanism for Immune Suppression by THC, Michigan State University Neuroscience Program, East Lansing, MI
July 2011	The Role of CB ₁ , CB ₂ and β ₂ AR in Cannabinoid-Induced Immune Suppression, Michigan State University Department of Pathobiology and Diagnostic Investigation, East Lansing, MI
February 2011	The Role of CB ₁ , CB ₂ and β ₂ AR in Δ ⁹ -THC-Induced Suppression of Humoral Immunity, University of North Carolina, Greensboro, Department of Biology, Greensboro, NC
January 2009	Development of Models to Assess Effects of Cannabinoids on Pulmonary Inflammation, Michigan State University Respiratory Research Initiative Meeting, East Lansing, MI
September 2007	Intranasal Instillation of Lipopolysaccharide: A Murine Model of Pulmonary Inflammation, Michigan State University, Respiratory Research Initiative Meeting, East Lansing, MI
October 2006	The Non-Psychoactive Cannabinoid, Cannabidiol, Suppresses T Cell Function Through Inhibition of NFAT, Wright State University Department of Pharmacology and Toxicology, Dayton, OH
March 2006	An Overview of the Biological Effects of Marijuana, Montcalm Community College Science Club Meeting, Sidney, MI

■ MEETING PRESENTATIONS

ORAL PRESENTATIONS

November 2022	<u>Kaplan BLF</u> . Development of a Detailed Review Paper (DRP) on Non-animal Approaches for Immunosuppression, Japanese Society for Alternatives to Animal Experiments Annual Meeting, Shizuoka, Japan
March 2022	<u>Kaplan BLF</u> . Talking about Toxicology: Some Tips for Explaining the Frustrating Scientific Gray Areas. Society of Toxicology Annual Meeting, <i>The Toxicologist</i> 186 #1202, San Diego, CA

March 2021 Kaplan BLF. Interferon (IFN)-Gamma is a Sensitive Target in CBD-Induced Immune Suppression In Vivo and In Vitro. Society of Toxicology Annual Meeting, *The Toxicologist* 180 #1307, Virtual

November 2020 Kaplan BLF. Inhibition of Peripheral Immune Function and Neuroinflammation by CBD in EAE. Center for Research on Ingredient Safety at Michigan State University 2020 Science Symposium, Virtual

March 2020 Kaplan BLF. Cannabidiol Suppresses IFN γ Production and Neuroinflammation in the EAE Model. Society of Toxicology Annual Meeting, *The Toxicologist* 174 #2454, Virtual

August 2019 Kaplan BLF. Oral Administration of the Plant-derived Cannabinoid, Cannabidiol (CBD), Attenuates Experimental Autoimmune Encephalomyelitis (EAE). Mississippi IDEa Conference, Jackson, MS

March 2018 Kaplan BLF. Graduate Toxicology Presented in the Context of Problem Formulation and Experimental Design. Society of Toxicology Annual Meeting, *The Toxicologist* 162 #3292 San Antonio, TX

March 2018 Kaplan BLF. Model Systems and Regulations for Cannabinoid Research in Academia. Society of Toxicology Annual Meeting, *The Toxicologist* 162 #1702, San Antonio, TX

March 2017 Kaplan BLF. Neuroimmune Interactions and Drugs of Abuse: Overview of Marijuana Compounds with a Focus on Critical Exposure Windows. Society of Toxicology Annual Meeting, *The Toxicologist* 156 #1559, Baltimore, MD.

March 2016 Kaplan BLF. Make an Impact with Your Research Seminar. Society of Toxicology Annual Meeting, *The Toxicologist* 150 #3354, New Orleans, LA

March 2014 Kaplan BLF. Cannabinoid-Induced Suppression of β 2AR⁺ B Cell Function. Society of Toxicology Annual Meeting, *The Toxicologist* 138 #1411, Phoenix, AZ.

March 2012 Kaplan BLF. Current Challenges in Pursuit of Careers in Academia. Society of Toxicology Annual Meeting, *The Toxicologist* 126 #1697, San Francisco, CA

March 2009 Kaplan BLF and Kaminski NE. Immune Modulation by Plant-derived Cannabinoid Compounds. Society of Toxicology Annual Meeting, *The Toxicologist* 108 #676, Baltimore, MD

March 2008 Kaplan BLF and Kaminski NE. The Mechanism by Which Cannabidiol, a Plant-Derived Cannabinoid, Suppresses Immune Function Involves Suppression of Nuclear Factor of Activated T Cells (NFAT) Transcriptional Activation, but not Suppression of NFATc1 or NFATc2 mRNA Expression. Society of Toxicology Annual Meeting, *The Toxicologist* 102 #2002, Seattle, WA

March 2007 Kaplan BLF and Kaminski NE. The Non-psychoactive Cannabinoid, Cannabidiol, Suppresses T Cell Function Through Inhibition of Nuclear Factor of Activated T Cells (NFAT). Society of Toxicology Annual Meeting, *The Toxicologist* 96 #620, Charlotte, NC

March 2005 Kaplan BLF, Ouyang Y, Rockwell CE, Rao GK and Kaminski NE. The Endogenous Cannabinoid, 2-Arachidonoyl-Glycerol, Suppresses NFAT Nuclear Translocation and Interferon- γ Production. Society of Toxicology Annual Meeting, *The Toxicologist* 90 #369, New Orleans, LA.

May 2002 Kaplan BLF, Roszkowski JJ and Nishimura MI. Alteration of T Cell Specificity with TCR Genes: Use in a Melanoma Model. Ninth Annual Charles Huggins Research Conference, Chicago, IL

June 2000 Faubert BL and Kaminski NE. The Role of ERK MAP Kinases in Cannabinol-Induced Inhibition of AP-1 Binding Activity in PMA/Io-

- Stimulated Mouse Splenocytes. International Cannabinoid Research Society Annual Symposium, Hunt Valley, MD
- June 1999 Faubert BL. Cannabinol Inhibits the Activation of ERK MAP Kinases in PMA/Io-Stimulated Mouse Splenocytes. Twenty-seventh Annual Pharmacology Research Colloquium, Ann Arbor, MI
- June 1999 Faubert BL and Kaminski NE. Inhibition of AP-1 Activity by Cannabinol is Mediated by Inhibition of its Protein Components, c-fos and c-jun. International Cannabinoid Research Society Annual Symposium, Acapulco, Mexico
- June 1998 Faubert BL. Inhibition of AP-1 and NF-AT Binding by Cannabinol in Mouse Splenocytes. Twenty-Sixth Annual Pharmacology Research Colloquium, Toledo, OH
- June 1997 Faubert BL. Inhibition of AP-1 Binding in Splenocytes by Cannabinol is Mediated by an Inhibition of its Protein Components, c-fos and c-jun. Twenty-Fifth Annual Pharmacology Research Colloquium, Detroit, MI

POSTER PRESENTATIONS

- June 2021 Kaplan BLF, Szafran B, Nicaise A, Ross MK and Nichols J. CB₁ Inactivation Increases Pro-inflammatory Cytokine Production in Response to Lipopolysaccharide. 31st Annual International Cannabinoid Research Society Meeting, Jerusalem (hybrid/virtual)
- July 2018 Kaplan BLF, Szafran BN, Lee JH, Hou X, Borazjani A, Andrzejewski K and Ross MK. Characterization of Endocannabinoid Metabolizing Enzymes in Human Peripheral Blood Mononuclear Cells Under Inflammatory Conditions. 28th Annual International Cannabinoid Research Society Meeting, Leiden, the Netherlands
- March 2017 Kaplan BLF, Dhital S, Stokes J, Park N and Seo KS. Cannabidiol (CBD) Induces Functional CD4+CD25+FOXP3+ Tregs in Response to Low Level T Cell Activation. Society for Neuroimmune Pharmacology Annual Meeting, Philadelphia, PA
- August 2016 Kaplan BLF, Kummari E, Yang E-J and Dhital S. Low Dose TCDD Inhibits MOG-specific T and B Cell Response. AHR 2016: The aryl hydrocarbon receptor as a central mediator of health and disease, Rochester, NY
- March 2016 Kaplan BLF, Szafran B, Borazjani A, Lee H-W and Ross MK. LPS Suppression of Serine Hydrolase Activity and 2-Arachidonylglycerol (2-AG) Hydrolysis: A Possible Mechanism to Regulate Inflammation. Marijuana and Cannabinoids: A Neuroscience Research Summit at NIH, Bethesda, MD
- March 2016 Kaplan BLF, Stokes J and Yang E-J. Inhibitory Effect of Subchronic Low Dose 2,3,7,8-Tetrachlorodibenzo-p-dioxin in Experimental Autoimmune Encephalomyelitis (EAE). Society of Toxicology Annual Meeting, *The Toxicologist* 150 #2869, New Orleans, LA
- November 2015 Kaplan BLF, Rodriguez-Ruiz Y, Park N, Yang E-J, Eells J, and Seo K-S. *Staphylococcus aureus* Superantigen-induced T Regulatory Cells in Mouse Splenocytes. 2015 Southeast MS IDeA Conference, Biloxi, MS
- March 2015 Kaplan BLF, Szafran B, Borazjani A, Lee J and Ross MK. LPS Suppresses Spleen Serine Hydrolase Activity and 2-Arachidonylglycerol (2-AG) Hydrolysis: A Possible Mechanism to Regulate Inflammation. Society of Toxicology Annual Meeting, *The Toxicologist* 144 #151, San Diego, CA

March 2013 Kaplan BLF, Chen W, Zhang Q, Baker GL and Kaminski NE. Engineered Nanoparticles Enhanced CD8⁺ T Cell Cytokine Production. Society of Toxicology Annual Meeting, *The Toxicologist* 132 #1760, San Antonio, TX

March 2012 Kaplan BLF, Chen W, and Kaminski NE. Induced T Cell Cytokine Production is Enhanced by Engineered Nanomaterials. Society of Toxicology Annual Meeting, *The Toxicologist* 126 #1367, San Francisco, CA

April 2010 Kaplan BLF, Topper LA, Lichorobiec NR and Kaminski NE. Mechanisms by Which Cannabidiol Enhances T Cell Function. Society of Neuroimmune Pharmacology Annual Meeting, Manhattan Beach, CA

March 2010 Kaplan BLF, Crawford RB, Arencibia A, Kim SS, Pinnavaia TJ, and Kaminski NE. A Model to Mimic the Effect of TCDD-Contaminated Soil Ingestion on Immune Function. Society of Toxicology Annual Meeting, *The Toxicologist* 114 #1997, Salt Lake City, UT

May 2007 Kaplan BLF and Kaminski NE. Nuclear Factor of Activated T Cells (NFAT) is Suppressed by the Plant-Derived Cannabinoid, Cannabidiol. American Association of Immunologists Annual Meeting, Miami, FL

May 2006 Kaplan BLF, Springs AEB, and Kaminski NE. Cannabidiol, a Non-Psychoactive Congener of Marijuana, Suppresses Immune Function. American Association of Immunologists Annual Meeting, Boston, MA

March 2006 Kaplan BLF and Kaminski NE. Characterization of the Immunosuppressive Activity of the Plant-Derived Cannabinoid, Cannabidiol. Society of Toxicology Annual Meeting, *The Toxicologist* 90 #1732, San Diego, CA

May 2004 Kaplan BLF, Moore TV, Schreiber K, Callender GG, Schreiber H and Nishimura MI. Human Her-2/Neu-Reactive T Cells Recognize Two Novel Murine Tumor Cell Lines. Eleventh Annual Charles Huggins Research Conference, Chicago, IL

January 2004 Kaplan BLF, Moore TV, Schreiber K, Callender GG, Schreiber H and Nishimura MI. Two Novel Murine Cell Lines Express Functional HLA-A2/K^b. Midwinter Conference of Immunologists, Pacific Grove, CA

October 2002 Kaplan BLF, Schreiber K and Nishimura MI. A New Mouse Tumor Model for Human Cancer. Committee on Immunology Annual Retreat, Lake Geneva, WI

March 2001 Faubert Kaplan BL and Kaminski NE. Immune Suppression by Cannabinoids is Mediated via a CB1-, CB2-Independent Inhibition of Interleukin-2. Society of Toxicology Annual Meeting, *The Toxicologist* 60, San Francisco, CA

October 1999 Faubert BL and Kaminski NE. Cannabinol-induced Immune Suppression Involves Inhibition of the Activation of ERK MAP Kinases. College of Veterinary Medicine Research Day, Michigan State University, East Lansing, MI

September 1999 Faubert BL and Kaminski NE. Cannabinol-induced Immune Suppression Involves Inhibition of the Activation of ERK MAP Kinases. Fourteenth Annual Symposium on Mechanisms of Immunotoxicity, Morgantown, WV

March 1999 Faubert BL and Kaminski NE. Inhibition of MAPK (ERK) Activation by Cannabinol in PMA/Io-Stimulated Mouse Splenocytes. Society of Toxicology Annual Meeting, *The Toxicologist* 48, New Orleans, LA

September 1998 Faubert BL and Kaminski NE. Effects of Cannabinol on c-fos and c-jun Protein Expression in Mouse Splenocytes. Thirteenth Annual Symposium on Mechanisms of Immunotoxicity, Morgantown, WV

- May 1998 Faubert BL. Cannabinoid-Induced Inhibition of Transcription Factor Binding to Proximal and Consensus AP-1 Sites in Mouse Splenocytes. Michigan Regional Chapter of the Society of Toxicology, Spring Meeting. East Lansing, MI
- March 1998 Faubert BL and Kaminski NE. Cannabinoid Compounds Inhibit Binding to Several Different AP-1 Sites. Society of Toxicology Annual Meeting, *The Toxicologist* 42, Seattle, WA
- September 1997 Faubert BL and Kaminski, NE. Cannabinol-Mediated Inhibition of AP-1 and NF-AT Binding in the Interleukin-2 Promoter in Splenocytes is Due to an Inhibition of the Protein Components, c-fos and c-jun. Twelfth Annual Symposium on Mechanisms of Immunotoxicity, Morgantown, WV
- March 1997 Faubert BL and Kaminski NE. Inhibition of AP-1 Binding in Splenocytes by Cannabinol is Mediated by an Inhibition of c-fos. Society of Toxicology Annual Meeting, *The Toxicologist* 36, Cincinnati, OH.
- June 1996 Faubert BL, Pulaski J, Hwang SG and Kaminski NE. Immune System Tolerance to Cannabinoids: The Role of the CB2 Receptor *In Vivo* and *In Vitro*. Twenty-Fourth Annual Pharmacology Research Colloquium, East Lansing, MI

MEETING ABSTRACTS (PAST 5 YEARS)

- Blankenship K, Mitsch M and Kaplan BLF. In Vitro Model of MOG and OVA Peptide-Stimulated T-Cell Responses and Effects of Cannabinoids. Mississippi State University College of Veterinary Medicine Annual Research Day, Starkville, MS, August 2022.
- Mitsch M, Blankenship K, Archer T and Kaplan BLF. Cannabinoid vehicle effects on immune function in dog PBMCs. Mississippi State University College of Veterinary Medicine Annual Research Day, Starkville, MS, August 2022.
- Frodella C, Pruett SB and Kaplan BLF. Pre-treatment with Cannabidiol Impacts Macrophage Polarization and Secretion of TNF α through Tumor Necrosis Factor- α -converting Enzyme (TACE). Mississippi State University College of Veterinary Medicine Annual Research Day, Starkville, MS, August 2022.
- Blankenship K, Mitsch M and Kaplan BLF. In Vitro Model of MOG and OVA Peptide-Stimulated T-Cell Responses and Effects of Cannabinoids. 23rd Annual Boehringer-Ingelheim National Veterinary Scholars Symposium, Minneapolis, MN. August 2022.
- Mitsch M, Blankenship K, Archer T and Kaplan BLF. Cannabinoid vehicle effects on immune function in dog PBMCs. 23rd Annual Boehringer-Ingelheim National Veterinary Scholars Symposium, Minneapolis, MN. August 2022.
- Frodella C, Pruett SB and Kaplan BLF. Exploring the Impact of Cannabidiol on the Brain Transcriptome in a Mild Disease Model of Experimental Autoimmune Encephalomyelitis. 32nd Annual International Cannabinoid Research Society Meeting, Galway, Ireland. June 2022.
- Cresswell O and Kaplan BLF. Cannabinoids Render Peptide-stimulated Immune Cells Sensitive to Inhibition in Response to Subsequent Stimulation. Mississippi State University Shackouls Honors College Undergraduate Research Symposium. Starkville, MS. April 2022.
- Rogers J, Moore D, Brown A, Sparks D, Lawrence M, Reichley S and Kaplan BLF. Detection of Persistent Organic Pollutants in the Tissues of Dolphins Stranded Along the MS Gulf Coast. Mississippi State University Shackouls Honors College Undergraduate Research Symposium. Starkville, MS. April 2022.

Mertz M, Archer T and Kaplan BLF. Method Optimization for Studying Effects of Cannabinoids on Canine PBMC Immune Responses. 22nd Annual Boehringer-Ingelheim National Veterinary Scholars Symposium, Virtual. August 2021.

Sturgis T, Nicaise A and Kaplan BLF. Effect of an Endogenous AhR Ligand, ITE, on Autoimmune Disease in Male and Female Mice. MS Academy of Sciences Annual Meeting. Biloxi, MS. March 2022.

Sturgis T, Nicaise A and Kaplan BLF. Effect of an Endogenous AhR Ligand, ITE, on Autoimmune Disease in Male and Female Mice. Annual Biomedical Research Conference for Minority Students (ABRCMS). San Juan, Puerto Rico (virtual). November 2021.

Sturgis T, Nicaise A and Kaplan BLF. Effect of an Endogenous AhR Ligand, ITE, on Autoimmune Disease in Male and Female Mice. MS INBRE Conference, Jackson, MS. August 2021.

Frodella C and Kaplan BLF. Pilot Study Reveals Sex Differences in T cell Stimulated Mouse Splenocytes Pre-treated with Cannabidiol. 31st Annual International Cannabinoid Research Society Meeting, Jerusalem (virtual). June 2021.

Cresswell O and Kaplan BLF. Development of an In Vitro Peptide-stimulated T Cell Model to Study Cannabinoid Effects. Mississippi State University Shackouls Honors College Undergraduate Research Symposium. Virtual. April 2021.

Nicaise A and Kaplan BLF. TCDD Inhibits IgG1 Antibody Production *In Vivo* and *In Vitro*. Mississippi State University Shackouls Honors College Undergraduate Research Symposium. Virtual. April 2021.

Szafran BN, Borazjani A, Carr R, Ross MK, and Kaplan BLF. Carboxylesterase Inactivation by Chlorpyrifos: Immunotoxic or Protective in the Murine Lung? Society of Toxicology Annual Meeting. Virtual. Abstract #3110, March 2021.

Nicaise A and Kaplan BLF. TCDD Inhibits IgG1 Antibody Production *In Vivo* and *In Vitro*. Society of Toxicology Annual Meeting. Virtual. Abstract #2414, March 2021.

Szafran B, Borazjani A, Carr RL, Ross MK and Kaplan BLF. Immune Effects of Carboxylesterase Inactivation in the Neonatal Murine Lung. Society of Toxicology South Central Regional Chapter Annual Meeting. Virtual, November 2020.

Frodella, C, Nanduri, B and Kaplan BLF. A Reanalysis: CBD-Treated Human Neuroblastoma Cells Reveal Potential Mediators in Understanding the Anti-inflammatory and Neuroprotective Mechanisms. Society of Toxicology South Central Regional Chapter Annual Meeting. Virtual, November 2020.

Szafran B, Borazjani A, Carr RL, Ross MK and Kaplan BLF. Immune Effects of Carboxylesterase Inactivation in the Neonatal Murine Lung. Mississippi State University Graduate Research Symposium, Virtual, October 2020.

Szafran B, Borazjani A, Carr RL, Ross MK and Kaplan BLF. Immune Effects of Carboxylesterase Inactivation in the Neonatal Murine Lung. Mississippi State University College of Veterinary Medicine Annual Research Day, Starkville, MS, August 2020.

Frodella, C, Nanduri, B and Kaplan BLF. A Reanalysis: CBD-Treated Human Neuroblastoma Cells Reveal Potential Mediators in Understanding the Anti-inflammatory and Neuroprotective Mechanisms. Mississippi State University College of Veterinary Medicine Annual Research Day, Starkville, MS, August 2020.

Szafran B, Borazjani A, Carr RL, Ross MK and Kaplan BLF. Immune Effects of Carboxylesterase Inactivation in the Neonatal Murine Lung. 21st Annual Boehringer-Ingelheim National Veterinary Scholars Symposium, Virtual, August 2020.

Campbell C, Fleming A and Kaplan BLF. Effects of Cannabinoids on TNF- α in Mouse Splenocytes as a Pre-clinical Model for Canine Immune Function. 21st Annual

- Boehringer-Ingelheim National Veterinary Scholars Symposium, Virtual, August 2020.
- Fleming A, Campbell C, Jaffe M and Kaplan BLF. Establishment of a Cell Culture Model Using Whole Lung to Study Effects of Cannabinoids. 21st Annual Boehringer-Ingelheim National Veterinary Scholars Symposium, Virtual, August 2020.
- Szafran B, Borazjani A, Carr RL, Ross MK and Kaplan BLF. Immune Effects of Carboxylesterase Inactivation in the Neonatal Murine Lung. Society of Toxicology Annual Meeting. Anaheim, CA. *The Toxicologist* 174 #2317, March 2020 (in person presentation canceled due to COVID-19).
- Rushing E, McDonald A, Nicaise A, Bell A, Kummari E, and Kaplan BLF. TCDD-mediated Upregulation of FasL on B cells Triggers Apoptosis in T Cells in EAE. Society of Toxicology Annual Meeting. Anaheim, CA. *The Toxicologist* 174 #1836, March 2020 (in person presentation canceled due to COVID-19).
- McDonald A, Rushing E, Nicaise A, Bell A, Kummari E, and Kaplan BLF. Effect of TCDD on Antibody Production in Various Anatomic Locations in Experimental Autoimmune Encephalomyelitis. Society of Toxicology Annual Meeting. Anaheim, CA. *The Toxicologist* 174 #1837, March 2020 (in person presentation canceled due to COVID-19).
- Szafran B, Pinkston R, Perveen Z, Schexnayder M, Hossain E, Ross M, Penn A, Kaplan B, and Noel A. Immune Consequences of Electronic-Cigarette Vehicle and Flavoring in Mouse Lungs. Society of Toxicology South Central Regional Chapter Annual Meeting. Shreveport, LA. October 2019.
- Nicaise A, Bell A, McDonald A, Rushing E, Kummari E, and Kaplan BLF. The Effect of the Environmental Contaminant, TCDD, on IgG1 And IgG3 Antibodies In Vitro. Society of Toxicology South Central Regional Chapter Annual Meeting. Shreveport, LA. October 2019.
- Bell A, Nicaise A, McDonald A, Rushing E, Kummari E, and Kaplan BLF. Role of Iron in TCDD-Mediated Suppression of Experimental Autoimmune Encephalomyelitis. Society of Toxicology South Central Regional Chapter Annual Meeting. Shreveport, LA. October 2019.
- Nichols J and Kaplan BLF. The Role of CB1 in Experimental Autoimmune Encephalomyelitis. Mississippi State University College of Veterinary Medicine Annual Research Day, Starkville, MS, August 2019.
- Szafran B, Borazjani A, Carr RL, Ross MK and Kaplan BLF. Immune Consequences of carboxylesterase isoform-selective inactivation in the murine lung. Mississippi State University College of Veterinary Medicine Annual Research Day, Starkville, MS, August 2019.
- Nicaise A, Kummari E and Kaplan BLF. Optimization of a Prime Flow RNA Expression Assay to Evaluate Effects of the Environmental Contaminant TCDD. Mississippi State University Shackoul's Honor College Undergraduate Research Symposium, Mississippi State, MS, August 2019.
- Pelanne M, Sears J, Ross M, Archer T and Kaplan BLF. The Effect of Cannabinoids on Pro-inflammatory Cytokines in Canine PBMCs and Granulocytes. 20th Annual Boehringer-Ingelheim National Veterinary Scholars Symposium, Boston, MA, July 2019.
- Nichols J and Kaplan BLF. The Role of CB1 in Experimental Autoimmune Encephalomyelitis. Mississippi Academy of Sciences Meeting, Starkville, MS, July 2019.
- Szafran B, Borazjani A, Carr RL, Ross MK and Kaplan BLF. Carboxylesterase Isoform-Selective Inactivation in Lung Following Oral Chlorpyrifos Exposures of Neonatal and Adult Mice. Mississippi Academy of Sciences Meeting, Starkville, MS, July 2019.

- Nicaise A, Kummari E and Kaplan BLF. Optimization of a Prime Flow RNA Expression Assay to Evaluate Effects of the Environmental Contaminant TCDD. Mississippi Academy of Sciences Meeting, Starkville, MS, July 2019.
- Nichols J and Kaplan BLF. The Role of CB1 in Experimental Autoimmune Encephalomyelitis. American Association of Immunologists Annual Meeting. San Diego, CA, May 2019.
- Rushing E, Kummari E and Kaplan BLF. Optimization of JC-1 Apoptosis Assay to Evaluate Effects of the Environmental Contaminant TCDD. Mississippi State University Shackoul's Honor College Undergraduate Research Symposium, Mississippi State, MS, April 2019.
- Sears J, Brown C, Archer T and Kaplan BLF. In vitro Assessment of Cannabinoids on Immune Responses in Canine PBMCs. Mississippi State University Shackoul's Honor College Undergraduate Research Symposium, Mississippi State, MS, April 2019.
- Szafran B, Borazjani A, Carr RL, Ross MK and Kaplan BLF. Carboxylesterase Isoform-Selective Inactivation in Lung Following Oral Chlorpyrifos Exposures of Neonatal and Adult Mice. Society of Toxicology Annual Meeting. Baltimore, MD. *The Toxicologist* 168 #1916, March 2019.
- Kummari E, Kaplan BLF. Effect of TCDD on B Cell Responses in the Spinal Cord in EAE. Society of Toxicology Annual Meeting. Baltimore, MD. *The Toxicologist* 168 #2318, March 2019.
- Sears J, Brown C, Archer T and Kaplan BLF. In vitro Assessment of Cannabinoids on Immune Responses in Canine PBMCs. Society of Toxicology Annual Meeting. Baltimore, MD. *The Toxicologist* 168 #2288, March 2019.
- Szafran B, Ross MK and Kaplan BLF. Characterization of Endocannabinoid Metabolizing Enzymes in Human Peripheral Blood Mononuclear Cells Under Inflammatory Conditions. Society of Toxicology South Central Regional Chapter Annual Meeting. Starkville, MS. October 2018.
- Kummari E and Kaplan BLF. Characterizing the Effects of TCDD and ITE on Regulatory B Cells in Experimental Autoimmune Encephalomyelitis. Society of Toxicology South Central Regional Chapter Annual Meeting. Starkville, MS. October 2018.
- Nichols JM, Kummari E, Sherman J and Kaplan BLF. The Effects of Cannabidiol on Neuroinflammation in Experimental Autoimmune Encephalomyelitis. Society of Toxicology South Central Regional Chapter Annual Meeting. Starkville, MS. October 2018.
- McDonald A, Rushing E, Kummari E and Kaplan BLF. Comparison of Two Pilot Studies to Optimize the Dosing Paradigm to Study the AhR Ligand, ITE, in the EAE Autoimmune Model. Society of Toxicology South Central Regional Chapter Annual Meeting. Starkville, MS. October 2018.
- Brown C, Kummari E, Archer T and Kaplan BLF. Optimization of Methods to Study the Effect of Cannabinoids on Immune Responses in Stimulated Canine PBMCs. 2018 American College of Veterinary Pathologists (ACVP) and American Society for Veterinary Clinical Pathology (ASVCP) Concurrent Annual Meeting. Washington DC. November 2018.
- Nichols J, Kummari E, Sherman J and Kaplan BLF. The Effects of Cannabidiol on Neuroinflammation in Experimental Autoimmune Encephalomyelitis. 2nd Veterinary Scholars Training Program Colloquium. College Station, TX. August 2018.
- Szafran B, Borazjani A, Carr R, Ross MK and Kaplan BLF. Biochemical Effects of Oral Chlorpyrifos in Lungs of Neonatal and Adult Mice. 2nd Veterinary Scholars Training Program Colloquium. College Station, TX. August 2018.
- Park N, Kaplan BLF, Archer T, Yoon S, Lee JY, Park JY and Seo KS. Comparative in vitro Analysis of Immunosuppression Induced by Staphylococcal Superantigen in

- Vertebrate Animals. Mississippi State University College of Veterinary Medicine Research Day. August 2018.
- Nichols J, Kummari E, Sherman J and Kaplan BLF. The Effects of Cannabidiol on Neuroinflammation in Experimental Autoimmune Encephalomyelitis. Mississippi State University College of Veterinary Medicine Research Day. August 2018.
- Szafran B, Borazjani A, Carr R, Ross MK and Kaplan BLF. Biochemical Effects of Oral Chlorpyrifos in Lungs of Neonatal and Adult Mice. Mississippi State University College of Veterinary Medicine Research Day. August 2018.
- Brown C, Kummari E, Archer T and Kaplan BLF. Optimization of Methods to Study the Effect of Cannabinoids on Immune Responses in Stimulated Canine PBMCs. 19th Annual Boehringer-Ingelheim Veterinary Scholars Symposium. College Station, TX. August 2018.
- Nichols J, Kummari E, Sherman J, Szafran B and Kaplan BLF. Early Treatment of Experimental Autoimmune Encephalomyelitis with Cannabidiol Suppresses Splenic Tc1 Cells and Reduces Neuroinflammation. 28th Annual International Cannabinoid Research Society Meeting, Leiden, the Netherlands. July 2018.
- Nichols J, Kummari E, Sherman J, Szafran B, and Kaplan BLF. Early Treatment of Experimental Autoimmune Encephalomyelitis with Cannabidiol Suppresses Splenic Tc1 Cells and Reduces Neuroinflammation. American Association of Immunologists Annual Meeting. Austin, TX. May 2018.
- Rushing E, McDonald A, Kummari E and Kaplan BLF. Effects of Low-Level Aryl Hydrocarbon Receptor (AhR) Ligands in an Autoimmune Disease Model. Mississippi State University Shackoul's Honor College Undergraduate Research Symposium, Mississippi State, MS, April 2018.
- Wojohn L and Kaplan BLF. Characterization of Cannabinoid Effects on CD24 Expression in B Cells. Mississippi State University Shackoul's Honor College Undergraduate Research Symposium, Mississippi State, MS, April 2018.
- Mohammed A, Kaplan B, Alugubelly N, and Carr R. Altered Protein Expression in the Amygdala of Adolescent Rats Exposed to Δ 9-Tetrahydrocannabinol as Juveniles. Society of Toxicology Annual Meeting. San Antonio, TX. *The Toxicologist* 162 #2752, March 2018.
- Szafran B, Borazjani A, Carr RL, Ross MK, and Kaplan BLF. Effects of Low-Level Chlorpyrifos Exposure on Endocannabinoid Metabolism and Immune Function. Society of Toxicology Annual Meeting. San Antonio, TX. *The Toxicologist* 162 #2246, March 2018.
- Kummari E and Kaplan BLF. TCDD-Induced FasL Expression in Follicular and Marginal-Zone B Cells. Society of Toxicology Annual Meeting. San Antonio, TX. *The Toxicologist* 162 #1082, March 2018.
- Li J, Bach A, Crawford RB, Phadnis-Moghe AS, Chen w, D'Ingillo S, Kovalova N, Suarez-Martinez JE, Kaplan BL, and Kaminski NE. CLARITY-BPA: The Effects of Chronic Bisphenol A Exposure on the Relative Number and Proportion of Leukocyte Populations in the Spleen and Thymus. Society of Toxicology Annual Meeting. San Antonio, TX. *The Toxicologist* 162 #1076, March 2018.
- Li J, Bach A, Crawford RB, Phadnis-Moghe AS, Chen W, D'Ingillo S, Kovalova N, Suarez-Martinez JE, Kaplan BL, and Kaminski NE. CLARITY-BPA: The Effects of Chronic Bisphenol A Exposure on the Cellular Proliferation and Immune Responses in Rat Splenocytes. Society of Toxicology Annual Meeting. San Antonio, TX. *The Toxicologist* 162 #1081, March 2018.

■ PROFESSIONAL ACTIVITIES

Editorial Board Member, *Toxicological Sciences*, January 2020-present

Guest Editor, Role of The Aryl Hydrocarbon Receptor in Immune Modulation, *Frontiers in Toxicology* Research Topic, February 2021 – June 2022

Peer reviewer as requested by Editor/Associate Editor (average ~11 reviews per year):

BBA General Subjects
Cannabis and Cannabinoid Research
Current Opinion in Toxicology
Cellular and Molecular Immunology
Environmental Research
Food and Chemical Toxicology
Anti-Cancer Agents in Medicinal Chemistry
International Journal of Toxicology
Journal of Leukocyte Biology
Journal of Neuroimmune Pharmacology
Journal of Proteome Research
Molecules
Neuroscience Letters
Neurotoxicology
Life Sciences
Nutrition Research
Pharmacological Research
Prostaglandins and Other Lipid Mediators
Scientific Reports
The Open Rheumatology Journal
Toxicological Sciences
Toxicological Reports
Toxicology and Applied Pharmacology
Toxicon
Virulence

PEER REVIEWER

International peer review panel for IL-2-Luciferase Assay, Multi-immunotoxicity Test Assay through the Japanese Centre for the Validation of Alternative Test Methods, National Institutes of Health Sciences, February 2019 and January 2020, Tokyo, Japan; November 2022, Shizuoka, Japan
Deliverable: Detailed Review Paper submitted to the Organization for Economic Cooperation and Development (OECD: Paris, France). “In vitro tests addressing immunotoxicity with a focus on immunosuppression”. 2022.
Authors: Kojima H (Contractor), Corsini E, Germolec D, Kaplan BLF, Roggen EL, Neff-LaFord H, van Lovern H, Yoshimoto T, Kimura Y and Aiba S.
Ad hoc reviewer, NSF International Health Advisory Board, October 2019 and May 2020 (virtual meeting), Ann Arbor, MI

PEER REVIEWER GRANT PANELS (VIA VIDEO CONFERENCE)

National Institutes of Health, Interdisciplinary Molecular Sciences and Training Panel for Comparative Medicine Training Proposals, November 2020
National Institutes of Health, Exploring the Mechanisms Underlying Analgesic Properties of Minor Cannabinoids and Terpenes (R01 and R21) Scientific Review Group, June 2019
National Institutes of Health, Discovery and Biological Signatures of Diet-Derived Microbial Metabolites (R01) Scientific Review Group, July 2018

PEER REVIEWER GRANT PANELS (VIA E-MAIL/SUBMITTED ONLINE)

Irish Research Council, Laureate Awards grant review, February 2022
Consortium for Medical Marijuana Clinical Outcomes Research grant review (FL, USA), May 2021
Natural Sciences and Engineering Research Council of Canada (NSERC) Alliance Grant review, April 2020
Barth Syndrome Foundation Grant Review, January 2020
Natural Sciences and Engineering Research Council of Canada (NSERC) Collaborative Research and Development Grant review, April 2018
National Institutes of Health Center for Scientific Review Anonymization Study Grant Review, August 2018
National Institutes of Health, Innate Immunity and Inflammation Scientific Review Group, February 2015
Natural Sciences and Engineering Research Council of Canada (NSERC) Collaborative Research and Development Grant review, January 2015
National Institute of Occupational Safety and Health, Internal Proposal, July 2014
Medical Research Council, Infections and Immunity Board, United Kingdom, December 2012
National Institute of Environmental Health Sciences Children's Environmental Health Sciences Core Center Pilot Project at Medical College of Wisconsin, June 2010, February 2012

SEMINARS HOSTED AT MISSISSIPPI STATE UNIVERSITY

Dr. Courtney Sulentic, Associate Professor, Pharmacology and Toxicology
Wright State University Boonshoft School of Medicine
"A Key Transcriptional Regulator of Antibody Production May be a Significant Toxicological and Therapeutic Target"
CVM 8011 Graduate Seminar Course
Virtual presentation: October 25, 2022
Dr. Jason Organ, Assistant Professor of Anatomy and Cell Biology
Indiana University School of Medicine
"Tips and Tricks to Effectively Convey a Scientific Message"
Sponsored by Mississippi State University Office of Research and Economic Development
Date of visit: November 19-20, 2019
Dr. Leigh Ann Burns Naas, President of the Society of Toxicology and Vice President of Nonclinical Safety and Pathobiology
Gilead Pharmaceuticals, San Francisco, CA
"The Evolving Role of Toxicology in the Drug Development Paradigm"
Date of visit: April 15-16, 2019

- Dr. Chander Raman, Professor, Professor of Medicine, Division of Clinical Immunology and Rheumatology
 University of Alabama at Birmingham, Birmingham, AL
 “Interferons in Pathogenesis and Regulation in Autoimmunity”
 Date of visit: October 16-17, 2017
- Dr. Steven Hermansky, Vice President, Science and Regulatory Affairs
 ConAgra Foods and Science Forum Chairman, Omaha, NE
 “Science Communication in a World that Mistrusts Scientists: What Can We Do?”
 Date of visit: October 10-11, 2016
- Dr. Norbert Kaminski, Director, Institute for Integrative Toxicology, Professor, Pharmacology and Toxicology
 Michigan State University, East Lansing, MI
 “Plasmacytoid Dendritic Cells are a Sensitive Target for Modulation by Cannabinoids: Potential Relevance to HIV”
 Date of visit: February 1-2, 2016
- Dr. Peer Karmaus, Post-doctoral fellow
 St. Jude Children’s Research Hospital, Memphis, TN
 “Metabolic Programming of Myeloid Cell Development”
 Date of visit: November 17-18, 2013

SCIENTIFIC SESSION CHAIR/CO-CHAIR

- Co-chair, Continuing Education Session, “Put Your Science Where Your Mouth Is: Practice Makes Progress in Effective Science Communication”, March 2023
- Co-chair, Symposium Session “Communicating Science in an Age of Misinformation and Mistrust”, Society of Toxicology Annual Meeting, March 2022
- Co-chair, Symposium Session “Immunosuppressive and Anti-inflammatory Activity of Cannabis and Cannabinoids: Adverse or Therapeutic”, Society of Toxicology Annual Meeting, March 2020 (in person presentation canceled due to COVID-19)
- Chair, Education-Career Session “Research-based Approaches to Improve Teaching Effectiveness in Toxicology Classrooms”, Society of Toxicology Annual Meeting, March 2018
- Chair, Education-Career Session “Talksology: Effective Oral Presentation Techniques”, Society of Toxicology Annual Meeting, March 2016
- Chair, Workshop Session “Communication and Engagement with the Public about Toxicology in a World that Misunderstands Science and Scientists: How do you Make your Message Relevant and “Sticky?”, Society of Toxicology Annual Meeting, Phoenix, AZ, March 2014
- Co-Chair, Workshop Session “Contribution of Nonimmune Cells to Adverse Immune Responses: Implications for Toxicology”, Society of Toxicology Annual Meeting, Phoenix, AZ, March 2014
- Co-Chair, Educational Session “New Submissions to Competitive Renewals: Different Phases of Grant Writing”, Society of Toxicology Annual Meeting, San Antonio, TX, March 2013
- Co-Chair, Workshop Session “Polishing Today’s Job Candidate in a Tough Economy”, Society of Toxicology Annual Meeting, Washington DC, March 2011
- Chair, Symposium Session “Immunomodulation During Complementary and Alternative Medicine (CAM) Therapy: Risks and Benefits”, Society of Toxicology Annual Meeting, Baltimore, MD, March 2009
- Chair, Platform Session “Immunotoxicology: T Cells”, Society of Toxicology Annual Meeting, Seattle, WA, March 2008

Chair, 26th Annual Pharmacology Research Colloquium, Medical College of Ohio, Toledo, OH, June 1998

REGIONAL OR NATIONAL SERVICE

Member, Scientific Liaison Coalition (Society of Toxicology representative), May 2021-present
Invited member, "Key Characteristics of Immunotoxicants" working group, September 2020-December 2022
Councilor (elected position), Society of Toxicology, May 2018-April 2021
Member, Society of Toxicology Undergraduate Consortium Task Force, May 2017-April 2020
Chair, Society of Toxicology Undergraduate Consortium Task Force, May 2017-April 2018
Chair, Society of Toxicology Education Committee, May 2016-April 2017
Co-Chair, Society of Toxicology Education Committee, May 2015-April 2016
Appointed Member, Society of Toxicology Education Committee, May 2014-April 2017
Co-Chair, Society of Toxicology Mentoring Breakfast Planning Committee, August 2013-July 2014
Chair, Society of Toxicology Mentoring Breakfast Planning Committee, August 2012-July 2013
Toxicology Consulting, Mead Johnson Nutrition (Evansville, IN), May 2012-January 2013
Facilitator, Society of Toxicology Mentor Match Program, February 2012-August 2012
Appointed Member, Society of Toxicology Career Resource and Development Committee, April 2010-March 2013
Faculty Judge for Graduate Student Oral and Poster Presentations, Midwest Annual Pharmacology Colloquium, June 2010, June 2012
Member, Program Committee, Society of Toxicology Immunotoxicology Specialty Section Program Committee, March 2007-March 2009

COLLEGE OR UNIVERSITY SERVICE

Mississippi State University

Member, Search Committee for Mississippi State University College of Veterinary Medicine Dean, September 2022-present
Co-director, Mississippi State University College of Veterinary Medicine Summer Research Experience (SRE) for veterinary students, August, 2019-present
Alternative faculty representative for Mississippi State University, Federal Demonstration Partnership, January 2018-present
Member, CVM 8011 Seminar Course Leadership Committee, August 2015-present
Faculty Judge for College of Veterinary Medicine Research Day, Mississippi State University, Annually in August, 2014-August 2021
Faculty interviewer Mississippi State University College of Veterinary Medicine for veterinary school admission, February 2017, 2018, 2019, 2020 and 2021
Coordinator, College of Veterinary Medicine Research Day, Mississippi State University, August 2016-2018
Faculty Judge for Shackoul's Honor College Undergraduate Research Symposium, Mississippi State University, April 2014, July 2014, April 2015, April 2016, April 2018
Faculty Judge for Biology Undergraduate Research Program (BURP), Mississippi State University, April 2015, April 2016

Member, Mississippi State University College of Veterinary Medicine Scholarship Committee, March 2014-February 2016
Member (*ad hoc*), College of Veterinary Medicine Seminar Series Course Update Committee, May 2015-August 2015
Member, Mississippi State University Department of Basic Sciences Faculty Search Committee for Research Assistant Professor (PI Henry Wan), August 2014
Panel Member, Mississippi State University College of Veterinary Medicine Lab Animal and Research Club Discussion “Ethical Use of Animals in Research”, November 2013

Michigan State University

Faculty Representative, Michigan State University College of Veterinary Medicine Graduate Grievance Hearing Pool, July 2011-June 2013
Faculty Judge for Graduate Student Oral Presentations, Michigan State University College of Veterinary Medicine Phi Zeta Day, October 2012
Faculty Judge for Resident, Intern and Masters Student Oral Presentations, Michigan State University College of Veterinary Medicine Phi Zeta Day, October 2011
Member, Department of Pharmacology and Toxicology Graduate Student Recruitment Committee, Michigan State University, October 2004-February 2008

University of Chicago (post-doctoral training)

Faculty Discussion Leader for Medical Student Presentation Entitled “Impact of CD8 on Tumor Cell Recognition by High and Low Affinity T Cell Receptors”, 58th Senior Scientific Session for Medical Students, University of Chicago, Chicago, IL, May 2004