

CURRICULUM VITAE

Carmen Jane Booth, DVM, PhD

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Contact Information:

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School: Yale School of Medicine

Education:

09/1982 - 08/1984 California State Polytechnic University, Animal Science Pre-Vet, Pomona, CA
09/1984 - 06/1987 BS, University of California at Davis, Animal Science Pre-Vet, Davis, CA
09/1987 - 06/1992 DVM, University of California at Davis, School of Veterinary Medicine, Davis, CA
09/1999 - 04/2005 PhD, University of Washington (Seattle), Pathology, Seattle, WA

Career/Academic Appointments:

07/1995 - 09/1998 Postdoctoral Fellow, Pathology, Harvard Medical School, New England Primate Research Center, Southborough, MA
09/1999 - 12/2003 Postdoctoral Fellow, Pathology, University of Washington, Seattle, WA
01/2004 - 06/2024 Assistant Professor, Comparative Medicine, Yale School of Medicine, New Haven, CT
07/2024 - 06/2029 Associate Professor on Term, Comparative Medicine, Yale School of Medicine, New Haven, CT

Administrative Positions:

2004 - 2019 Co-director Mouse Research Pathology, Comparative Medicine, Yale School of Medicine, New Haven, CT
2019 - Present Director, Comparative Pathology Research, Comparative Medicine, Yale School of Medicine, New Haven, CT

Grants/Clinical Trials History:

Current Grants

Agency: NIH/DHHA
I.D.#: 1U54AG079759-01

Title: Yale Murine-TMC on Immune Cell Senescence Derived Inflammation
P.I.: Vishwa Deep Dixit
Role: Key Personnel
Percent effort: 5%
Total costs: \$6,280,757.00
Project period: 08/01/2022 - 07/31/2026

Agency: NIH Institute of Allergy and Infectious Diseases
I.D.#: 1R01AI173256-01
Title: Defining the host and pathogen determinants of peptidoglycan induced pathophysiology in Lyme disease.
P.I.: Brandon Jutras
Role: Subcontract Site PI
Percent effort: 2%
Total costs: \$61,316.00 (of which \$24,709.00 indirects)
Project period: 08/02/2023 - 07/31/2027

Past Grants

Agency: The Steven & Alexandra Cohen Foundation, Subaward
I.D.#: Lyme-56
Title: Title: Targeting the peptidoglycan cell wall of *Borrelia burgdorferi* to diagnose and treat Lyme disease
P.I.: Jutras, B.
Role: co-investigator sub-award
Percent effort: 2%
Total costs: \$661,216.00
Project period: 01/01/2020 - 12/31/2022

Agency: NIH
I.D.#: 1R01AI1300068-01
Title: Pathogenesis of *Borrelia miyamotoi* infection and Lyme coinfection in mice.
P.I.: Linda Bockenstedt
Role: Co-Investigator
Percent effort: 5%
Total costs: \$2,093,750.00
Project period: 12/01/2017 - 11/30/2021

Agency: NIH
I.D.#: 1R01 CA237586-01A1
Title: Targeting histone demethylase KDM5B in breast cancer.
P.I.: Qin Yan
Role: Co-Investigator
Percent effort: 2%
Total costs: \$1,915,780.00

Project period: 06/01/2019 - 05/31/2024

Agency: NCI (NIH)
I.D.#: R01 CA237037
Title: Developing translationally-relevant genetically engineered mouse models of lung adenocarcinoma for investigations in lung cancer,
P.I.: Nikhil Joshi
Role: Co-Investigator
Percent effort: 2%
Total costs: \$557,766.00
Project period: 06/01/2019 - 05/31/2024

Agency: NSF EAGER
I.D.#: (FAIN) 2031806
Title: Investigation of host and viral factors that influence the severity of coronaviral disease.
P.I.: James Macy
Role: Co Principal Investigator
Percent effort: 20%
Total costs: \$299,999.00
Project period: 06/01/2020 - 03/31/2022

Invited Speaking Engagements, Presentations & Workshops Not Affiliated With Yale:

International/National

1. "'Don't throw the baby out with the bath water? Hunting the Gene for Excess Fetal Membrane Fluid in Gravid Golden Retrievers." Golden Retriever Club of America, National Specialty: Breeder Education Seminar, St. Louis, MO, October 2018. (Oral Presentation)

Regional

1. "Never give up." University of California, Davis, Disability Student Services, Davis, CA, January 2018. (Other)

Peer-Reviewed Presentations Given at Meetings Not Affiliated With Yale:

International/National

1. Krikun G. Expression of CXCR4 in Leiomyomas from Humans and Non Human Primates.. Society for Reproductive Investigation., San Diego, CA, February 2018 - February 2023. (Poster Presentation)
2. Krikun G. The Role of the CXCL12/CXCR4/CXCR7 Axis in Leiomyomas.. Society for Reproductive Investigation., Paris, IDF, France, March 2019 - February 2023. (Poster Presentation)
3. Comparison and Utility of Martius Scarlet Blue and Picro-Mallory Stains for Age dependent Differential Staining of Fibrin Post Hemorrhage in Mammalian Necropsy Cases.. 15th Annual Virtual International Veterinary Forensic Sciences Conference, Zoom Presentation, September 2022. (Oral Presentation)

Professional Service:

Journal Services

Reviewer

2006 - Present	Reviewer, Journal of the American Association for Laboratory Animal Science
2006 - Present	Reviewer, Comparative Medicine
2011 - Present	Reviewer, Veterinary Pathology
2014 - Present	Reviewer, Molecular Cancer Therapeutics

Professional Organizations

American Association for Laboratory Animal Science

2014 - Present	Member, American Association for Laboratory Animal Science
2022 - Present	Editorial Board, American Association for Laboratory Animal Science

American College of Veterinary Radiology

2018 - Present	Member, American College of Veterinary Radiology
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American Veterinary Medical Association

1991 - Present	Member, American Veterinary Medical Association
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International Veterinary Forensic Sciences Association

2020 - Present	Member, International Veterinary Forensic Sciences Association
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Yale University / Hospital System

Medical School

2008 - Present	Member, Minority Opportunity Expansion and Retention General Committee
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Public Service / Media Presence

Public Service

2008 - 2012	Co-Chair, Youth Religious Education Committee: Shoreline Unitarian Universalist Society
2008 - 2014	Volunteer, Madison Interfaith Youth Coalition Youth Leader, Shoreline Unitarian Universalist Society
2009 - 2012	Member, Board of Trustees, Shoreline Unitarian Universalist Society
2009 - 2015	Chair, Steering Committee: Yale School of Medicine Bring Your Child to Work Day
2010 - 2012	Volunteer, Senior High Youth Group Leader, Shoreline Unitarian Universalist Society
2012 - Present	Member, B-flat Soprano Clarinet, Connecticut Symphonic Winds
2012 - Present	Member, B-flat Tenor Saxophone, Guilford Town Band, B-flat Tenor Saxophone

2012 - 2013	Volunteer, Invited Exhibitor: Women in Careers in Science and Technology for Girls Exposition
2012	Volunteer, Invited Exhibitor: Discovery Museum, Bridgeport, CT Women in Careers in Science, Technology, Engineering, and Math for Celebrating Visionary Women and Extraordinary Leadership.
2018 - 2020	Volunteer, Meriden Humane Society, Perform routine vaccinations, clinical examinations, and minor treatment on dogs and cats.

Bibliography:

Peer-Reviewed Original Research

1. **Booth CJ**, Sundberg JP. Hemangiomas and hemangiosarcomas in inbred laboratory mice. *Laboratory Animal Science* 1995, 45: 497-502. [PMID: 8569146](#).
2. Seifert RA, Coats SA, Oganessian A, Wright MB, Dishmon M, **Booth CJ**, Johnson RJ, Alpers CE, Bowen-Pope DF. PTPRQ is a novel phosphatidylinositol phosphatase that can be expressed as a cytoplasmic protein or as a subcellularly localized receptor-like protein. *Experimental Cell Research* 2003, 287: 374-86. [PMID: 12837292](#), [DOI: 10.1016/s0014-4827\(03\)00121-6](#).
3. Goodyear RJ, Legan PK, Wright MB, Marcotti W, Oganessian A, Coats SA, **Booth CJ**, Kros CJ, Seifert RA, Bowen-Pope DF, Richardson GP. A receptor-like inositol lipid phosphatase is required for the maturation of developing cochlear hair bundles. *The Journal Of Neuroscience : The Official Journal Of The Society For Neuroscience* 2003, 23: 9208-19. [PMID: 14534255](#), [PMCID: PMC6740823](#).
4. Reuter JD, Fowles KJ, Terwilliger GA, **Booth CJ**. Iatrogenic tension pneumothorax in a rabbit (*Oryctolagus cuniculus*). *Contemporary Topics In Laboratory Animal Science / American Association For Laboratory Animal Science* 2005, 44: 22-5. [PMID: 16050663](#).
5. Zhang HZ, Degar BA, Rogoulina S, Resor C, Booth CJ, Sinning J, Gage PJ, Forget BG. Hematopoiesis following disruption of the Pitx2 homeodomain gene. *Experimental Hematology* 2006, 34: 167-178. [PMID: 16459185](#), [DOI: 10.1016/j.exphem.2005.11.002](#).
6. Lakhani SA, Masud A, Kuida K, Porter GA, **Booth CJ**, Mehal WZ, Inayat I, Flavell RA. Caspases 3 and 7: Key Mediators of Mitochondrial Events of Apoptosis. *Science* 2006, 311: 847-851. [PMID: 16469926](#), [PMCID: PMC3738210](#), [DOI: 10.1126/science.1115035](#).
7. Lu J, Hou R, **Booth CJ**, Yang SH, Snyder M. Defined culture conditions of human embryonic stem cells. *Proceedings Of The National Academy Of Sciences Of The United States Of America* 2006, 103: 5688-5693. [PMID: 16595624](#), [PMCID: PMC1458634](#), [DOI: 10.1073/pnas.0601383103](#).
8. Canaan A, Yu X, **Booth CJ**, Lian J, Lazar I, Gamfi SL, Castille K, Kohya N, Nakayama Y, Liu YC, Eynon E, Flavell R, Weissman SM. FAT10/Diubiquitin-Like Protein-Deficient Mice Exhibit Minimal Phenotypic Differences. *Molecular And Cellular Biology* 2006, 26: 5180-5189. [PMID: 16782901](#), [PMCID: PMC1489174](#), [DOI: 10.1128/mcb.00966-05](#).
9. Lalioti MD, Zhang J, Volkman HM, Kahle KT, Hoffmann KE, Toka HR, Nelson-Williams C, Ellison DH, Flavell R, **Booth CJ**, Lu Y, Geller DS, Lifton RP. Wnk4 controls blood pressure and potassium homeostasis via regulation of mass and activity of the distal convoluted tubule. *Nature Genetics* 2006, 38: 1124-1132. [PMID: 16964266](#), [DOI: 10.1038/ng1877](#).
10. Walker WE, Nasr IW, Camirand G, Tesar BM, **Booth CJ**, Goldstein DR. Absence of Innate MyD88 Signaling Promotes Inducible Allograft Acceptance. *The Journal Of Immunology* 2006, 177: 5307-5316. [PMID: 17015716](#), [DOI: 10.4049/jimmunol.177.8.5307](#).

11. Montgomery RR, **Booth CJ**, Wang X, Blaho VA, Malawista SE, Brown CR. Recruitment of Macrophages and Polymorphonuclear Leukocytes in Lyme Carditis. *Infection And Immunity* 2006, 75: 613-620. [PMID: 17101663](#), [PMCID: PMC1828503](#), [DOI: 10.1128/iai.00685-06](#).
12. Eswarakumar VP, Özcan F, Lew ED, Bae JH, Tomé F, **Booth CJ**, Adams DJ, Lax I, Schlessinger J. Attenuation of signaling pathways stimulated by pathologically activated FGF-receptor 2 mutants prevents craniosynostosis. *Proceedings Of The National Academy Of Sciences Of The United States Of America* 2006, 103: 18603-18608. [PMID: 17132737](#), [PMCID: PMC1693709](#), [DOI: 10.1073/pnas.0609157103](#).
13. Belperron AA, Dailey CM, **Booth CJ**, Bockenstedt LK. Marginal Zone B-Cell Depletion Impairs Murine Host Defense against *Borrelia burgdorferi* Infection. *Infection And Immunity* 2007, 75: 3354-3360. [PMID: 17470546](#), [PMCID: PMC1932939](#), [DOI: 10.1128/iai.00422-07](#).
14. Ravishankar V, Buhimschi CS, **Booth CJ**, Bhandari V, Norwitz E, Copel J, Buhimschi IA. Fetal nucleated red blood cells in a rat model of intrauterine growth restriction induced by hypoxia and nitric oxide synthase inhibition. *American Journal Of Obstetrics And Gynecology* 2007, 196: 482.e1-482.e8. [PMID: 17466713](#), [DOI: 10.1016/j.ajog.2006.12.020](#).
15. Narasimhan S, DePonte K, Marcantonio N, Liang X, Royce TE, Nelson KF, **Booth CJ**, Koski B, Anderson JF, Kantor F, Fikrig E. Immunity against *Ixodes scapularis* Salivary Proteins Expressed within 24 Hours of Attachment Thwarts Tick Feeding and Impairs *Borrelia* Transmission. *PLOS ONE* 2007, 2: e451. [PMID: 17505544](#), [PMCID: PMC1866177](#), [DOI: 10.1371/journal.pone.0000451](#).
16. Hawiger D, Tran E, Du W, **Booth CJ**, Wen L, Dong C, Flavell RA. ICOS Mediates the Development of Insulin-Dependent Diabetes Mellitus in Nonobese Diabetic Mice. *The Journal Of Immunology* 2008, 180: 3140-3147. [PMID: 18292537](#), [DOI: 10.4049/jimmunol.180.5.3140](#).
17. Kim H, **Booth CJ**, Pinus AB, Chen P, Lee A, Qiu M, Whitlock M, Murphy PS, Constable RT. Induced Hepatic Fibrosis in Rats: Hepatic Steatosis, Macromolecule Content, Perfusion Parameters, and Their Correlations—Preliminary MR Imaging in Rats. *Radiology* 2008, 247: 696-705. [PMID: 18403622](#), [DOI: 10.1148/radiol.2473070605](#).
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19. Wang Y, **Booth CJ**, Kim H, Qiu M, Constable RT. Evaluation of hepatic fibrosis with portal pressure gradient in rats. *Magnetic Resonance In Medicine* 2009, 61: 1185-1192. [PMID: 19253377](#), [PMCID: PMC11210607](#), [DOI: 10.1002/mrm.21964](#).
20. Guo X, **Booth CJ**, Paley MA, Wang X, DePonte K, Fikrig E, Narasimhan S, Montgomery RR. Inhibition of Neutrophil Function by Two Tick Salivary Proteins. *Infection And Immunity* 2009, 77: 2320-2329. [PMID: 19332533](#), [PMCID: PMC2687334](#), [DOI: 10.1128/iai.01507-08](#).
21. Park J, Fong PM, Lu J, Russell KS, **Booth CJ**, Saltzman WM, Fahmy TM. PEGylated PLGA nanoparticles for the improved delivery of doxorubicin. *Nanomedicine Nanotechnology Biology And Medicine* 2009, 5: 410-418. [PMID: 19341815](#), [PMCID: PMC2789916](#), [DOI: 10.1016/j.nano.2009.02.002](#).
22. Woodrow KA, Cu Y, **Booth CJ**, Saucier-Sawyer JK, Wood MJ, Mark Saltzman W. Intravaginal gene silencing using biodegradable polymer nanoparticles densely loaded with small-interfering RNA. *Nature Materials* 2009, 8: 526-533. [PMID: 19404239](#), [PMCID: PMC2693358](#), [DOI: 10.1038/nmat2444](#).

23. O'Connor Jr W, Kamanaka M, **Booth CJ**, Town T, Nakae S, Iwakura Y, Kolls JK, Flavell RA. A protective function for interleukin 17A in T cell-mediated intestinal inflammation. *Nature Immunology* 2009, 10: 603-609. [PMID: 19448631](#), [PMCID: PMC2709990](#), [DOI: 10.1038/ni.1736](#).
24. Liu N, Belperron AA, **Booth CJ**, Bockenstedt LK. The Caspase 1 Inflammasome Is Not Required for Control of Murine Lyme Borreliosis. *Infection And Immunity* 2009, 77: 3320-3327. [PMID: 19487481](#), [PMCID: PMC2715671](#), [DOI: 10.1128/iai.00100-09](#).
25. Adusumilli S, **Booth CJ**, Anguita J, Fikrig E. Passage through Ixodes scapularis Ticks Enhances the Virulence of a Weakly Pathogenic Isolate of *Borrelia burgdorferi*. *Infection And Immunity* 2009, 78: 138-144. [PMID: 19822652](#), [PMCID: PMC2798202](#), [DOI: 10.1128/iai.00470-09](#).
26. Stout-Delgado HW, Du W, Shirali AC, **Booth CJ**, Goldstein DR. Aging Promotes Neutrophil-Induced Mortality by Augmenting IL-17 Production during Viral Infection. *Cell Host & Microbe* 2009, 6: 446-456. [PMID: 19917499](#), [PMCID: PMC2779161](#), [DOI: 10.1016/j.chom.2009.09.011](#).
27. Dai J, Wang P, Adusumilli S, **Booth CJ**, Narasimhan S, Anguita J, Fikrig E. Antibodies against a Tick Protein, Salp15, Protect Mice from the Lyme Disease Agent. *Cell Host & Microbe* 2009, 6: 482-492. [PMID: 19917502](#), [PMCID: PMC2843562](#), [DOI: 10.1016/j.chom.2009.10.006](#).
28. Bandi P, Garcia ML, **Booth CJ**, Chisari FV, Robek MD. Bortezomib Inhibits Hepatitis B Virus Replication in Transgenic Mice. *Antimicrobial Agents And Chemotherapy* 2009, 54: 749-756. [PMID: 19949053](#), [PMCID: PMC2812171](#), [DOI: 10.1128/aac.01101-09](#).
29. Krikun G, Hu Z, Osteen K, Bruner-Tran KL, Schatz F, Taylor HS, Toti P, Arcuri F, Konigsberg W, Garen A, **Booth CJ**, Lockwood CJ. The Immunoconjugate "Icon" Targets Aberrantly Expressed Endothelial Tissue Factor Causing Regression of Endometriosis. *American Journal Of Pathology* 2009, 176: 1050-1056. [PMID: 20042667](#), [PMCID: PMC2808107](#), [DOI: 10.2353/ajpath.2010.090757](#).
30. **Booth CJ**, Brooks MB, Rockwell S. Spontaneous coagulopathy in inbred WAG/RijYcb rats. *Comparative Medicine* 2010, 60: 25-30. [PMID: 20158945](#), [PMCID: PMC2826081](#).
31. Walker WE, **Booth CJ**, Goldstein DR. TLR9 and IRF3 Cooperate to Induce a Systemic Inflammatory Response in Mice Injected With Liposome:DNA. *Molecular Therapy* 2010, 18: 775-784. [PMID: 20145605](#), [PMCID: PMC2862521](#), [DOI: 10.1038/mt.2010.1](#).
32. Zhu Y, Fariña JB, Meshack S, Santoveña A, Patel S, Oliva A, Llabrés M, Hodsdon ME, **Booth CJ**, Dannies PS. Anti-tumor effects of adenovirus containing human growth hormone sequences in a mouse model of human ovarian cancer. *Endocrine* 2010, 37: 430-439. [PMID: 20960164](#), [DOI: 10.1007/s12020-010-9333-5](#).
33. **BOOTH CJ**, BROOKS MB, ROCKWELL S, MURPHY JW, RINDER HM, ZELTERMAN D, PAIDAS MJ, COMPTON SR, MARKS PW. WAG-F8m1Ycb rats harboring a factor VIII gene mutation provide a new animal model for hemophilia A. *Journal Of Thrombosis And Haemostasis* 2010, 8: 2472-2477. [PMID: 20626616](#), [DOI: 10.1111/j.1538-7836.2010.03978.x](#).
34. Cardenas I, Means RE, Aldo P, Koga K, Lang SM, **Booth C**, Manzur A, Oyarzun E, Romero R, Mor G. Viral Infection of the Placenta Leads to Fetal Inflammation and Sensitization to Bacterial Products Predisposing to Preterm Labor. *The Journal Of Immunology* 2010, 185: 1248-1257. [PMID: 20554966](#), [PMCID: PMC3041595](#), [DOI: 10.4049/jimmunol.1000289](#).
35. Sawyer AJ, Saucier-Sawyer JK, **Booth CJ**, Liu J, Patel T, Piepmeier JM, Saltzman WM. Convection-enhanced delivery of camptothecin-loaded polymer nanoparticles for treatment of intracranial tumors. *Drug Delivery And Translational Research* 2010, 1: 34-42. [PMID: 21691426](#), [PMCID: PMC3117592](#), [DOI: 10.1007/s13346-010-0001-3](#).

36. Hu B, Elinav E, Huber S, **Booth CJ**, Strowig T, Jin C, Eisenbarth SC, Flavell RA. Inflammation-induced tumorigenesis in the colon is regulated by caspase-1 and NLRC4. *Proceedings Of The National Academy Of Sciences Of The United States Of America* 2010, 107: 21635-21640. [PMID: 21118981](#), [PMCID: PMC3003083](#), [DOI: 10.1073/pnas.1016814108](#).
37. Schober CS, Aydiner F, **Booth CJ**, Seli E, Reinke V. The kinase VRK1 is required for normal meiotic progression in mammalian oogenesis. *Cells And Development* 2011, 128: 178-190. [PMID: 21277975](#), [DOI: 10.1016/j.mod.2011.01.004](#).
38. Williams-Fritze MJ, Carlson Scholz JA, Bossuyt V, **Booth CJ**. Use of p63, a myoepithelial cell marker, in determining the invasiveness of spontaneous mammary neoplasia in a rhesus macaque (*Macaca mulatta*). *Journal Of The American Association For Laboratory Animal Science* 2011, 50: 252-7. [PMID: 21439221](#), [PMCID: PMC3061428](#).
39. Krikun G, **Booth CJ**, Buchwalder L, Caze R, Rahman M, Schatz F, Buhimschi I, Lockwood C. Long-term progestin-only contraception in humans versus animal models. *Annals Of The New York Academy Of Sciences* 2011, 1221: 119-123. [PMID: 21401639](#), [DOI: 10.1111/j.1749-6632.2010.05930.x](#).
40. Duanmu J, Cheng J, Xu J, **Booth CJ**, Hu Z. Effective treatment of chemoresistant breast cancer in vitro and in vivo by a factor VII-targeted photodynamic therapy. *British Journal Of Cancer* 2011, 104: 1401-1409. [PMID: 21427724](#), [PMCID: PMC3101942](#), [DOI: 10.1038/bjc.2011.88](#).
41. Huber S, Gagliani N, Esplugues E, O'Connor W, Huber FJ, Chaudhry A, Kamanaka M, Kobayashi Y, **Booth CJ**, Rudensky AY, Roncarolo MG, Battaglia M, Flavell RA. Th17 Cells Express Interleukin-10 Receptor and Are Controlled by Foxp3⁻ and Foxp3⁺ Regulatory CD4⁺ T Cells in an Interleukin-10-Dependent Manner. *Immunity* 2011, 34: 554-565. [PMID: 21511184](#), [PMCID: PMC3113617](#), [DOI: 10.1016/j.immuni.2011.01.020](#).
42. Elinav E, Strowig T, Kau AL, Henao-Mejia J, Thaïss CA, **Booth CJ**, Peaper DR, Bertin J, Eisenbarth SC, Gordon JI, Flavell RA. NLRP6 Inflammasome Regulates Colonic Microbial Ecology and Risk for Colitis. *Cell* 2011, 145: 745-757. [PMID: 21565393](#), [PMCID: PMC3140910](#), [DOI: 10.1016/j.cell.2011.04.022](#).
43. Zhang Y, Cobleigh MA, Lian J, Huang C, **Booth CJ**, Bai X, Robek MD. A Proinflammatory Role for Interleukin-22 in the Immune Response to Hepatitis B Virus. *Gastroenterology* 2011, 141: 1897-1906. [PMID: 21708106](#), [PMCID: PMC3199295](#), [DOI: 10.1053/j.gastro.2011.06.051](#).
44. Cu Y, **Booth CJ**, Saltzman WM. In vivo distribution of surface-modified PLGA nanoparticles following intravaginal delivery. *Journal Of Controlled Release* 2011, 156: 258-264. [PMID: 21763739](#), [PMCID: PMC3220785](#), [DOI: 10.1016/j.jconrel.2011.06.036](#).
45. Cardenas I, Means R, Aldo P, Koga K, Lang S, **Booth C**, Manzur A, Oyarzun E, Romero R, Mor G. Corrections: Viral Infection of the Placenta Leads to Fetal Inflammation and Sensitization to Bacterial Products Predisposing to Preterm Labor. *The Journal Of Immunology* 2011, 187: 2835-2835. [DOI: 10.4049/jimmunol.1190048](#).
46. Blum JS, Weller CE, **Booth CJ**, Babar IA, Liang X, Slack FJ, Saltzman WM. Prevention of K-Ras- and Pten-mediated intravaginal tumors by treatment with camptothecin-loaded PLGA nanoparticles. *Drug Delivery And Translational Research* 2011, 1: 383. [PMID: 25419505](#), [PMCID: PMC4239210](#), [DOI: 10.1007/s13346-011-0038-y](#).
47. Cheng J, Xu J, Duanmu J, Zhou H, **Booth CJ**, Hu Z. Effective treatment of human lung cancer by targeting tissue factor with a factor VII-targeted photodynamic therapy. *Current Cancer Drug Targets* 2011, 11: 1069-81. [PMID: 21933104](#), [DOI: 10.2174/156800911798073023](#).

48. Duan Q, Liu Y, **Booth CJ**, Rockwell S. Use of fenbendazole-containing therapeutic diets for mice in experimental cancer therapy studies. *Journal Of The American Association For Laboratory Animal Science* 2012, 51: 224-30. [PMID: 22776123](#), [PMCID: PMC3314526](#).
49. Shenoy AR, Wellington DA, Kumar P, Kassa H, **Booth CJ**, Cresswell P, MacMicking JD. GBP5 Promotes NLRP3 Inflammasome Assembly and Immunity in Mammals. *Science* 2012, 336: 481-485. [PMID: 22461501](#), [DOI: 10.1126/science.1217141](#).
50. Krikun G, **Booth CJ**, Buchwalder L, Schatz F, Osol G, Mandala M, Lockwood CJ. Effects of Etonogestrel Treatment in the Reproductive Organs and Uterine Arteries of Nonophorectomized Guinea Pigs. *Reproductive Sciences* 2012, 19: 400-406. [PMID: 22267537](#), [PMCID: PMC3343066](#), [DOI: 10.1177/1933719111424452](#).
51. Benavides VC, Mallela MK, **Booth CJ**, Wendler CC, Rivkees SA. Propylthiouracil Is Teratogenic in Murine Embryos. *PLOS ONE* 2012, 7: e35213. [PMID: 22529993](#), [PMCID: PMC3329451](#), [DOI: 10.1371/journal.pone.0035213](#).
52. Babar IA, Cheng CJ, **Booth CJ**, Liang X, Weidhaas JB, Saltzman WM, Slack FJ. Nanoparticle-based therapy in an in vivo microRNA-155 (miR-155)-dependent mouse model of lymphoma. *Proceedings Of The National Academy Of Sciences Of The United States Of America* 2012, 109: e1695-e1704. [PMID: 22685206](#), [PMCID: PMC3387084](#), [DOI: 10.1073/pnas.1201516109](#).
53. Steinbach JM, Weller CE, **Booth CJ**, Saltzman WM. Polymer nanoparticles encapsulating siRNA for treatment of HSV-2 genital infection. *Journal Of Controlled Release* 2012, 162: 102-110. [PMID: 22705461](#), [PMCID: PMC3543782](#), [DOI: 10.1016/j.jconrel.2012.06.008](#).
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