Stanford



Donna M. Bouley, DVM, PhD

Professor of Comparative Medicine at the Stanford University Medical Center, Emerita

Curriculum Vitae available Online

Bio

ACADEMIC APPOINTMENTS

- Emeritus Faculty-Med Ctr Line, Comparative Medicine
- Member, Stanford Cancer Institute
- Affiliate, Stanford Woods Institute for the Environment

HONORS AND AWARDS

- Award for Excellence in Faculty Advising, Human Biology IDP (2018)
- Kleinheinz Family Faculty Fellow in the Bass University Fellows Program for Undergraduate Education, Staford University (2011-2016, 2016 - 2021)
- Lloyd W. Dinkelspiel Award, Stanford University (2007)
- Diplomate, American College of Veterinary Pathologists (1996)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, American College of Veterinary Pathologists (1996 - present)

PROFESSIONAL EDUCATION

- B.S., U Mass Amherst , Animal Science (1976)
- D.V.M, U Tenn Knoxville , Veterinary Medicine (1985)
- Ph.D, U Tenn Knoxville , Comp. & Exp. Medicine (1995)

LINKS

- Stanford Undergraduate Pre-Veterinary Club: https://stanfordprevetsociety.com/

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My research interests were quite varied. I provided pathology support for several Stanford radiologists using MRI-guided minimally-invasive therapies for the ablation of prostate cancer (focused ultrasound, cryoablation, laser). Histopathological evaluation of induced lesions provided the radiologists with feedback necessary to optimize their procedures, and interpret real-time MR images in order to guarantee the most effective cancer treatment. I also worked with several radiation oncologists who studied and tested hypoxic cytotoxic drugs as cancer treatments. Other interests of mine were phenotypic analysis of transgenic and knockout mice, the use of genetically engineered mice to understand host pathogen interactions, and infectious diseases of frogs.

Publications

PUBLICATIONS

- **The glucosyltransferase activity of C. difficile Toxin B is required for disease pathogenesis.** *PLoS pathogens*
  Bilverstone, T. W., Garland, M., Cave, R. J., Kelly, M. L., Tholen, M., Bouley, D. M., Kaye, P., Minton, N. P., Bogyo, M., Kuehne, S. A., Melnyk, R. A.
  2020; 16 (9): e1008852

- **Histologic safety of transcranial focused ultrasound neuromodulation and magnetic resonance acoustic radiation force imaging in rhesus macaques and sheep.** *Brain stimulation*
  Gaur, P., Casey, K. M., Kubanek, J., Li, N., Mohammadjavadi, M., Saenz, Y., Glover, G. H., Bouley, D. M., Pauly, K. B.
  2020; 13 (3): 804–14

- **Axial Skeletal Malformations in Genetically Modified Xenopus laevis and Xenopus tropicalis.** *Comparative medicine*
  Zlatow, A. L., Wilson, S. S., Bouley, D. M., Tetens-Woodring, J. n., Buchholz, D. R., Green, S. L.
  2020; 70 (6): 532–41

- **Histologic evaluation of activation of acute inflammatory response in a mouse model following ultrasound-mediated blood-brain barrier using different acoustic pressures and microbubble doses.** *Nanotheranostics*
  Pascal, A. n., Li, N. n., Lechtenberg, K. J., Rosenberg, J. n., Airan, R. D., James, M. L., Bouley, D. M., Pauly, K. B.
  2020; 4 (4): 210–23

- **A Gut Commensal-Produced Metabolite Mediates Colonization Resistance to Salmonella Infection.** *Cell host & microbe*
  Jacobson, A., Lam, L., Rajendram, M., Tamburini, F., Honeycutt, J., Pham, T., Van Treuren, W., Pruss, K., Stabler, S. R., Lugo, K., Bouley, D. M., Vilches-Moure, J. G., Smith, et al
  2018

- **Transient Osmotic Perturbation Causes Long-Term Alteration to the Gut Microbiota.** *Cell*
  Tropini, C., Moss, E. L., Merrill, B. D., Ng, K. M., Higginbottom, S. K., Casavant, E. P., Gonzalez, C. G., Fremin, B., Bouley, D. M., Elias, J. E., Bhatt, A. S., Huang, K. C., Sonnenburg, et al
  2018; 173 (7): 1742

- **Transient Osmotic Perturbation Causes Long-Term Alteration to the Gut Microbiota** *CELL*
  Tropini, C., Moss, E., Merrill, B., Ng, K., Higginbottom, S., Casavant, E., Gonzalez, C., Fremin, B., Bouley, D., Elias, J., Bhatt, A., Huang, K., Sonnenburg, et al
  2018; 173 (7): 1742-+

- **Microbiota-accessible carbohydrates suppress Clostridium difficile infection in a murine model.** *Nature microbiology*
  Hryckowian, A. J., Van Treuren, W. n., Smits, S. A., Davis, N. M., Gardner, J. O., Bouley, D. M., Sonnenburg, J. L.
  2018

- **Toxoplasma gondii infection triggers chronic cachexia and sustained commensal dysbiosis in mice.** *PloS one*
  Hatter, J. A., Kouche, Y. M., Melchor, S. J., Ng, K., Bouley, D. M., Boothroyd, J. C., Ewald, S. E.
  2018; 13 (10): e0204895

- **Pseudogenization of the Secreted Effector Gene ssel Confers Rapid Systemic Dissemination of S. Typhimurium ST313 within Migratory Dendritic Cells.** *Cell host & microbe*
  Carden, S. E., Walker, G. T., Honeycutt, J., Lugo, K., Pham, T., Jacobson, A., Bouley, D., Idoyaga, J., Tsolis, R. M., Monack, D.
  2017; 21 (2): 182-194

- **Acute and Chronic Outcomes of Gas-Bubble Disease in a Colony of African Clawed Frogs (Xenopus laevis)** *COMPARATIVE MEDICINE*
  Tsai, J. Y., Felt, S. A., Bouley, D. M., Green, S. L.
  2017; 67 (1): 4-10

- **Endoluminal ultrasound applicators for MR-guided thermal ablation of pancreatic tumors: Preliminary design and evaluation in a porcine pancreas model** *MEDICAL PHYSICS*
  Adams, M. S., Salgaonkar, V. A., Plata-Camargo, J., Jones, P. D., Pascal-Tenorio, A., Chen, H., Bouley, D. M., Sommer, G., Pauly, K. B., Diederich, C. J.
  2016; 43 (7): 4184-4197

- **The adherens junctions control susceptibility to Staphylococcus aureus a-toxin.** *Proceedings of the National Academy of Sciences of the United States of America*
  Popov, L. M., Marceau, C. D., Starkl, P. M., Lumb, J. H., Shah, J., Guerrera, D., Cooper, R. L., Merakou, C., Bouley, D. M., Meng, W., Kiyonari, H., Takeichi, M., Galli, et al
  2015; 112 (46): 14337-14342

- **A feasibility study on monitoring the evolution of apparent diffusion coefficient decrease during thermal ablation** *MEDICAL PHYSICS*
  Plata, J. C., Holbrook, A. B., Marx, M., Salgaonkar, V., Jones, P., Pascal-Tenorio, A., Bouley, D., Diederich, C., Sommer, G., Pauly, K. B.
  2015; 42 (9): 5130-5137

- **A feasibility study on monitoring the evolution of apparent diffusion coefficient decrease during thermal ablation.** *Medical physics*
  Plata, J. C., Holbrook, A. B., Marx, M., Salgaonkar, V., Jones, P., Pascal-Tenorio, A., Bouley, D., Diederich, C., Sommer, G., Pauly, K. B.
  2015; 42 (9): 5130-5137

- **Helicobacter pylori Activates and Expands Lgr5(+) Stem Cells Through Direct Colonization of the Gastric Glands.** *Gastroenterology*
  Sigal, M., Rothenberg, M. E., Logan, C. Y., Lee, J. Y., Honaker, R. W., Cooper, R. L., Passarelli, B., Camorlinga, M., Bouley, D. M., Alvarez, G., Nusse, R., Torres, J., Amieva, et al
  2015; 148 (7): 1392-404 e21

- **Helicobacter pylori Activates and Expands Lgr5(+) Stem Cells Through Direct Colonization of the Gastric Glands** *GASTROENTEROLOGY*
  Sigal, M., Rothenberg, M. E., Logan, C. Y., Lee, J. Y., Honaker, R. W., Cooper, R. L., Passarelli, B., Camorlinga, M., Bouley, D. M., Alvarez, G., Nusse, R., Torres, J., Amieva, et al
  2015; 148 (7): 1392-?

- **Biochemical and Hematologic Reference Intervals for Aged Xenopus laevis in a Research Colony.** *Journal of the American Association for Laboratory Animal Science*
  Chang, A. G., Hu, J., Lake, E., Bouley, D. M., Johns, J. L.
  2015; 54 (5): 465-470

- **Gut Microbiota-Produced Succinate Promotes C-difficile Infection after Antibiotic Treatment or Motility Disturbance** *CELL HOST & MICROBE*
  Ferreyra, J. A., Wu, K. J., Hryckowian, A. J., Bouley, D. M., Weimer, B. C., Sonnenburg, J. L.
  2014; 16 (6): 770-777

- **m(6)A RNA Modification Controls Cell Fate Transition in Mammalian Embryonic Stem Cells.** *Cell stem cell*
  Batista, P. J., Molinie, B., Wang, J., Qu, K., Zhang, J., Li, L., Bouley, D. M., Lujan, E., Haddad, B., Daneshvar, K., Carter, A. C., Flynn, R. A., Zhou, et al
  2014; 15 (6): 707-719

- **Role of disease-associated tolerance in infectious superspreaders** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Gopinath, S., Lichtman, J. S., Bouley, D. M., Elias, J. E., Monack, D. M.
  2014; 111 (44): 15780-15785

- **Role of disease-associated tolerance in infectious superspreaders.** *Proceedings of the National Academy of Sciences of the United States of America*
  Gopinath, S., Lichtman, J. S., Bouley, D. M., Elias, J. E., Monack, D. M.
  2014; 111 (44): 15780-15785

- **Next-Generation NAMPT Inhibitors Identified by Sequential High-Throughput Phenotypic Chemical and Functional Genomic Screens.** *Chemistry & biology*
  Matheny, C. J., Wei, M. C., Bassik, M. C., Donnelly, A. J., Kampmann, M., Iwasaki, M., Piloto, O., Solow-Cordero, D. E., Bouley, D. M., Rau, R., Brown, P., McManus, M. T., Weissman, et al
  2013; 20 (11): 1352-1363

- **Applicators for magnetic resonance-guided ultrasonic ablation of benign prostatic hyperplasia.** *Investigative radiology*
  Sommer, G., Pauly, K. B., Holbrook, A., Plata, J., Daniel, B., Bouley, D., Gill, H., Prakash, P., Salgaonkar, V., Jones, P., Diederich, C.
  2013; 48 (6): 387-394

- **Focal ablation of prostate cancer: four roles for magnetic resonance imaging guidance** *CANADIAN JOURNAL OF UROLOGY*
  Sommer, G., Bouley, D., Gill, H., Daniel, B., Pauly, K. B., Diederich, C.

2013; 20 (2): 6672-6681

- **Loss of Anterior Gradient 2 (Agr2) Expression Results in Hyperplasia and Defective Lineage Maturation in the Murine Stomach** *JOURNAL OF BIOLOGICAL CHEMISTRY*
  Gupta, A., Wodziak, D., Tun, M., Bouley, D. M., Lowe, A. W.
  2013; 288 (6): 4321-4333

- **Caspase-11 increases susceptibility to Salmonella infection in the absence of caspase-1** *NATURE*
  Broz, P., Ruby, T., Belhocine, K., Bouley, D. M., Kayagaki, N., Dixit, V. M., Monack, D. M.
  2012; 490 (7419): 288-?

- **Shape Matters: Intravital Microscopy Reveals Surprising Geometrical Dependence for Nanoparticles in Tumor Models of Extravasation** *NANO LETTERS*
  Smith, B. R., Kempen, P., Bouley, D., Xu, A., Liu, Z., Melosh, N., Dai, H., Sinclair, R., Gambhir, S. S.
  2012; 12 (7): 3369-3377

- **A Novel Clinically Translatable Fluorescent Nanoparticle for Targeted Molecular Imaging of Tumors in Living Subjects** *NANO LETTERS*
  Gao, J., Chen, K., Luong, R., Bouley, D. M., Mao, H., Qiao, T., Gambhir, S. S., Cheng, Z.
  2012; 12 (1): 281-286

- **Targeting Galectin-1, a Hypoxia Induced Protein, in Non-Small Cell Lung Cancers** *European Multidisciplinary Cancer Congress on Integrating Basic and Translational Science, Surgery, Radiotherapy, Medical oncology, Advocacy and Care*
  Banh, A., Zhang, J., Cao, H., Bouley, D., Kwok, S., Kong, C., Giaccia, A., Koong, A., Le, Q.
  ELSEVIER SCI LTD.2011: S60–S60

- **Targeting GLUT1 and the Warburg Effect in Renal Cell Carcinoma by Chemical Synthetic Lethality** *SCIENCE TRANSLATIONAL MEDICINE*
  Chan, D. A., Sutphin, P. D., Nguyen, P., Turcotte, S., Lai, E. W., Banh, A., Reynolds, G. E., Chi, J., Wu, J., Solow-Cordero, D. E., Bonnet, M., Flanagan, J. U., Bouley, et al
  2011; 3 (94)

- **Tumor Galectin-1 Mediates Tumor Growth and Metastasis through Regulation of T-Cell Apoptosis** *CANCER RESEARCH*
  Banh, A., Zhang, J., Cao, H., Bouley, D. M., Kwok, S., Kong, C., Giaccia, A. J., Koong, A. C., Le, Q.
  2011; 71 (13): 4423-4431

- **Identification of an Ire1alpha endonuclease specific inhibitor with cytotoxic activity against human multiple myeloma** *BLOOD*
  Papandreou, I., Denko, N. C., Olson, M., Van Melckebeke, H., Lust, S., Tam, A., Solow-Cordero, D. E., Bouley, D. M., Offner, F., Niwa, M., Koong, A. C.
  2011; 117 (4): 1311-1314

- **EFFECTS OF RAINFALL, HOST DEMOGRAPHY, AND MUSTH ON STRONGYLE FECAL EGG COUNTS IN AFRICAN ELEPHANTS (LOXODONTA AFRICANA) IN NAMIBIA** *JOURNAL OF WILDLIFE DISEASES*
  Thurber, M. I., O'Connell-Rodwell, C. E., Turner, W. C., Nambandi, K., KINZLEY, C., Rodwel, T. C., Faulkner, C. T., Felt, S. A., Bouley, D. M.
  2011; 47 (1): 172-181

- **Loss of polyubiquitin gene Ubb leads to metabolic and sleep abnormalities in mice** *NEUROPATHOLOGY AND APPLIED NEUROBIOLOGY*
  Ryu, K., Fujiki, N., Kazantzis, M., Garza, J. C., Bouley, D. M., Stahl, A., Lu, X., Nishino, S., Kopito, R. R.
  2010; 36 (4): 285-299

- **The RGD Domain of Human Osteopontin Promotes Tumor Growth and Metastasis through Activation of Survival Pathways** *PLOS ONE*
  Courter, D., Cao, H., Kwok, S., Kong, C., Banh, A., Kuo, P., Bouley, D. M., Vice, C., Brustugun, O. T., Denko, N. C., Koong, A. C., Giaccia, A., Le, et al
  2010; 5 (3)

- **Circulating tumour cells demonstrate an altered response to hypoxia and an aggressive phenotype** *BRITISH JOURNAL OF CANCER*
  Ameri, K., Luong, R., Zhang, H., Powell, A. A., Montgomery, K. D., Espinosa, I., Bouley, D. M., Harris, A. L., Jeffrey, S. S.
  2010; 102 (3): 561-569

- **Short-term stress enhances cellular immunity and increases early resistance to squamous cell carcinoma** *BRAIN BEHAVIOR AND IMMUNITY*
  Dhabhar, F. S., Saul, A. N., Daugherty, C., Holmes, T. H., Bouley, D. M., Oberyszyn, T. M.
  2010; 24 (1): 127-137

- **Where's the Mouse Pathology Training?** *VETERINARY PATHOLOGY*
  Bouley, D., Meyerholz, D., Sellers, R., Boyd, K., La Perle, K.
  2009; 46 (6): 1245-1247

- **MRI-Guided Cryoablation: In Vivo Assessment of Focal Canine Prostate Cryolesions** *JOURNAL OF MAGNETIC RESONANCE IMAGING*
  Josan, S., Bouley, D. M., van den Bosch, M., Daniel, B. L., Pauly, K. B.
  2009; 30 (1): 169-176

- **MR Imaging-guided Percutaneous Cryoablation of the Prostate in an Animal Model: In Vivo Imaging of Cryoablation-induced Tissue Necrosis with Immediate Histopathologic Correlation** *32nd Annual Meeting of the Society-of-Interventional-Radiology (SIR)*
  van den Bosch, M. A., Josan, S., Bouley, D. M., Chen, J., Gill, H., Rieke, V., Butts-Pauly, K., Daniel, B. L.
  ELSEVIER SCIENCE INC.2009: 252–58

- **Catheter-Based Ultrasound for 3D Control of Thermal Therapy** *8th International Symposium on Therapeutic Ultras*
  Diederich, C., Chen, X., Wootton, J., Juang, T., Nau, W. H., Kinsey, A., Hsu, I., Rieke, V., Pauly, K. B., Sommer, G., Bouley, D.
  AMER INST PHYSICS.2009: 318–322

- **Characterization of a novel anthropomorphic plastinated lung phantom** *MEDICAL PHYSICS*
  Yoon, S., Henry, R. W., Bouley, D. M., Bennett, N. R., Fahrig, R.
  2008; 35 (12): 5934-5943

- **Monitoring prostate thermal therapy with diffusion-weighted MRI** *MAGNETIC RESONANCE IN MEDICINE*
  Chen, J., Daniel, B. L., Diederich, C. J., Bouley, D. M., Van den Bosch, M. A., Kinsey, A. M., Sommer, G., Pauly, K. B.
  2008; 59 (6): 1365-1372

- **Transurethral ultrasound applicators with dynamic multi-sector control for prostate thermal therapy: In vivo evaluation under MR guidance** *MEDICAL PHYSICS*
  Kinsey, A. M., Diederich, C. J., Rieke, V., Nau, W. H., Pauly, K. B., Bouley, D., Sommer, G.
  2008; 35 (5): 2081-2093

- **Experimental study of intracranial hematoma detection with flat panel detector C-arm CT** *AMERICAN JOURNAL OF NEURORADIOLOGY*
  Arakawa, H., Marks, M. P., Do, H. M., Bouley, D. M., Strobel, N., Moore, T., Fahrig, R.
  2008; 29 (4): 766-772

- **The mouse polyubiquitin gene Ubb is essential for meiotic progression** *MOLECULAR AND CELLULAR BIOLOGY*
  Ryu, K., Sinnar, S. A., Reinholdt, L. G., Vaccari, S., Hall, S., Garcia, M. A., Zaitseva, T. S., Bouley, D. M., Boekelheide, K., Handel, M. A., Conti, M., Kopito, R. R.
  2008; 28 (3): 1136-1146

- **Catheter-Based Ultrasound Devices and MR Thermal Monitoring for Conformal Prostate Thermal Therapy** *30th Annual International Conference of the IEEE-Engineering-in-Medicine-and-Biology-Society*
  Diederich, C. J., Nau, W. H., Kinsey, A., Ross, T., Wootton, J., Juang, T., Butts-Pauly, K., Rieke, V., Chen, J., Bouley, D. M., Sommer, G.
  IEEE.2008: 3664–3668

- **Host transmission of Salmonella enterica serovar Typhimurium is controlled by virulence factors and indigenous intestinal microbiota** *INFECTION AND IMMUNITY*
  Lawley, T. D., Bouley, D. A., Hoy, Y. E., Gerke, C., Relman, D. A., Monack, D. M.
  2008; 76 (1): 403-416

- **The distribution, density and three-dimensional histomorphology of Pacinian corpuscles in the foot of the Asian elephant (Elephas maximus) and their potential role in seismic communication** *JOURNAL OF ANATOMY*
  Bouley, D. M., Alarcon, C. N., Hildebrandt, T., O'Connell-Rodwell, C. E.
  2007; 211 (4): 428-435

- **The mouse polyubiquitin gene UbC is essential for fetal liver development, cell-cycle progression and stress tolerance** *EMBO JOURNAL*
  Ryu, K., Maehr, R., Gilchrist, C. A., Long, M. A., Bouley, D. M., Mueller, B., Ploegh, H. L., Kopito, R. R.
  2007; 26 (11): 2693-2706

- **Ovarian hyperstimulation syndrome in gonadotropin-treated laboratory South African clawed frogs (Xenopus laevis)** *JOURNAL OF THE AMERICAN ASSOCIATION FOR LABORATORY ANIMAL SCIENCE*
  Green, S. L., Parker, J., Davis, C., Bouley, D. M.

2007; 46 (3): 64-67

- **Determination of 3-dimensional zonal renal volumes using contrast-enhanced computed tomography** *JOURNAL OF COMPUTER ASSISTED TOMOGRAPHY*
  Sommer, G., Bouley, D., Frisoli, J., Pierce, L., Sandner-Porkristl, D., Fahrig, R.
  2007; 31 (2): 209-213

- **Correlation of contrast-enhanced MR images with the histopathology of minimally invasive thermal and cryoablation cancer treatments in normal dog prostates.** *Proceedings of SPIE--the International Society for Optical Engineering*
  Bouley, D. M., Daniel, B., Pauly, K. B., Liu, E., Kinsey, A., NAU, W., Diederich, C. J., Sommer, G.
  2007; 6440: 644006-?

- **Evaluation of thermal and cryo lesions by diffusion-weighted MRI** *Conference on Thermal Treatment of Tissue - Energy Delivery and Assessment IV*
  Chen, J., Daniel, B., Bouley, D., Sommer, G., Butts Pauly, K.
  SPIE-INT SOC OPTICAL ENGINEERING.2007

- **Correlation of contrast-enhanced NM images with the histopathology of minimally invasive thermal and cryoablation cancer treatments in normal dog prostates** *Conference on Thermal Treatment of Tissue - Energy Delivery and Assessment IV*
  Bouley, D. M., Daniel, B., Butts Pauly, K., Liu, E., Kinse, A., NAU, W., Diederich, C. J., Sommer, G.
  SPIE-INT SOC OPTICAL ENGINEERING.2007

- **Prostate thermal therapy with catheter-based ultrasound devices and MR thermal monitoring** *Conference on Thermal Treatment of Tissue - Energy Delivery and Assessment IV*
  Diederich, C. J., Nau, W. H., Kinsey, A., Ross, T., Wootton, J., Juang, T., Butts-Pauly, K., Ricke, V., Liu, E. H., Chen, J., Bouley, D. M., van den Bosch, M., Sommer, et al
  SPIE-INT SOC OPTICAL ENGINEERING.2007

- **Breakpoints in immunoregulation required for Th1 cells to induce diabetes** *EUROPEAN JOURNAL OF IMMUNOLOGY*
  Neighbors, M., Hartley, S. B., Xu, X., Castro, A. G., Bouley, D. M., O'Garra, A.
  2006; 36 (9): 2315-2323

- **Magnetic resonance-guided high-intensity ultrasound ablation of the prostate.** *Topics in magnetic resonance imaging*
  Pauly, K. B., Diederich, C. J., Rieke, V., Bouley, D., Chen, J., Nau, W. H., Ross, A. B., Kinsey, A. M., Sommer, G.
  2006; 17 (3): 195-207

- **Characterization of a novel anthropomorphic plastinated lung phantom** *48th Annual Meeting of the American-Association-of-Physicists-in-Medicine*
  Yoon, S., Henry, R., Bouley, D., Fahrig, R.
  AMER ASSOC PHYSICISTS MEDICINE AMER INST PHYSICS.2006: 1998–98

- **Spontaneous murine neuroaxonal dystrophy: a model of infantile neuroaxonal dystrophy** *JOURNAL OF COMPARATIVE PATHOLOGY*
  Bouley, D. M., McIntire, J. J., Harris, B. T., Tolwani, R. J., Otto, G. M., DeKruyff, R. H., Hayflick, S. J.
  2006; 134 (2-3): 161-170

- **Assessment of MR thermometry during high intensity ultrasound ablation of the canine prostate** *5th International Symposium on Therapeutic Ultrasound*
  Pauly, K. B., Rieke, V., Pisani, L., Sommer, G., Bouley, D., Diederich, C., Ross, A., Nau, W., Kinsey, A., Dumoulin, C., Watkins, R.
  AMER INST PHYSICS.2006: 76–80

- **The role of antigenic drive and tumor-infiltrating accessory cells in the pathogenesis of Helicobacter-induced mucosa-associated lymphoid tissue lymphoma** *AMERICAN JOURNAL OF PATHOLOGY*
  Mueller, A., O'Rourke, J., Chu, P., Chu, A., Dixon, M. F., Bouley, D. M., Lee, A., FALKOW, S.
  2005; 167 (3): 797-812

- **Curvilinear transurethral ultrasound applicator for selective prostate thermal therapy** *MEDICAL PHYSICS*
  Ross, A. B., Diederich, C. J., Nau, W. H., Rieke, V., Butts, R. K., Sommer, G., Gill, H., Bouley, D. M.
  2005; 32 (6): 1555-1565

- **An MRI-compatible semiautomated vacuum assisted breast biopsy system: Initial feasibility study** *JOURNAL OF MAGNETIC RESONANCE IMAGING*
  Daniel, B. L., Freeman, L. J., Pyzoha, J. M., McCoy, T. D., Birdwell, R. L., Bouley, D. M., Movius, B., Hibner, J. A.

2005; 21 (5): 637-644

- **MRI-guided interstitial ultrasound thermal therapy of the prostate: A feasibility study in the canine model** *MEDICAL PHYSICS*
  Nau, W. H., Diederich, C. J., Ross, A. B., Butts, K., Rieke, V., Bouley, D. M., Gill, H., Daniel, B., Sommer, G.
  2005; 32 (3): 733-743

- **Biothermal modeling of transurethral ultrasound applicators for MR-guided prostate thermal therapy** *Conference on Treatment of Tissue: Energy Delivery and Assessment III*
  Ross, A. B., Diederich, C. J., Nau, W. H., Tyreus, D., Gill, H., Bouley, D., Butts, R. K., Rieke, V., Daniel, B., Sommer, G.
  SPIE-INT SOC OPTICAL ENGINEERING.2005: 220–227

- **Magnetic resonance imaging and surgical repair of cleft palate in a four-week-old canine (Canis familiaris): An animal model for cleft palate repair** *CONTEMPORARY TOPICS IN LABORATORY ANIMAL SCIENCE*
  Tolwani, R. J., Hagan, C. E., Runstadler, J. A., Lyons, H., Green, V. L., Bouley, D. M., Rodriguez, L. F., Schendel, S. A., Moseley, M. E., Daunt, D. A., Otto, G., CORK, L. C.
  2004; 43 (6): 17-21

- **Neonatal lethality of LGR5 null mice is associated with ankyloglossia and gastrointestinal distension** *MOLECULAR AND CELLULAR BIOLOGY*
  Morita, H., Mazerbourg, S., Bouley, D. M., Luo, C. W., Kawamura, K., Kuwabara, Y., Baribault, H., Tian, H., Hsueh, A. J.
  2004; 24 (22): 9736-9743

- **Outbreak of Mycobacterium bovis in a conditioned colony of rhesus (Macaca mulatta) and cynomolgus (Macaca fascicularis) Macaques** *COMPARATIVE MEDICINE*
  Garcia, M. A., Bouley, D. M., Larson, M. J., Lifland, B., Moorhead, R., Simkins, M. D., Borie, D. C., Tolwani, R., Otto, G.
  2004; 54 (5): 578-584

- **Leucine-rich repeat-containing, G protein-coupled receptor 4 null mice exhibit intrauterine growth retardation associated with embryonic and perinatal lethality** *MOLECULAR ENDOCRINOLOGY*
  Mazerbourg, S., Bouley, D. M., Sudo, S., Klein, C. A., Zhang, J. V., Kawamura, K., Goodrich, L. V., Rayburn, H., Tessier-Lavigne, M., Hsueh, A. J.
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