NAME: White, Julie

POSITION TITLE: Comparative Pathologist

| INSTITUTION AND LOCATION | DEGREE  (if applicable) | Completion Date  MM/YYYY | FIELD OF STUDY |
| --- | --- | --- | --- |
| Louisiana State University, Shreveport, LA | BS | 06/1989 | Biology |
| Louisiana State University, Baton Rouge, LA | DVM | 06/1993 | Veterinary Medicine |
| Angell Memorial Animal Hospital, Boston, MA | DACVP | 07/2003 | Veterinary Pathology |
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**A. Personal Statement**

I am a Comparative Pathologist for the Laboratory of Comparative Pathology within the Center of Comparative Medicine and Pathology, Memorial Sloan-Kettering Cancer Center and Cornell Medical College (WCMC). I hold faculty appointments at Memorial Sloan Kettering, Weil Cornell Medical College, The Rockefeller University, and an adjunct faculty appointment at The University of Connecticut. I received my veterinary degree from Louisiana State University and training in anatomic pathology from Angell Memorial Animal Hospital and Tufts University School of Veterinary Medicine. I have been a diplomate of the American College of Veterinary Pathologists since 2003.

**B. Positions and Honors**

**Professional Appointments:**

1994-1999 Associate Veterinarian, County Animal Clinic, Yonkers, NY

1999-2000 Associate Veterinarian, Shore Veterinarians, Seaville, NJ

1999-2000 Consulting Veterinarian, Cape May County Park Zoo, Cape May, NJ

2003-2007 Associate Pathologist, Wildlife Conservation Society, Bronx Zoo, Bronx, NY

2007- Comparative Pathologist, Laboratory of Comparative Pathology, Memorial Sloan-Kettering Cancer Center, The Rockefeller University, and the Weill Medicial College of Cornell University, New York, NY

2009- Training Coordinator (Anatomic Pathology), Laboratory of Comparative Pathology, Center for Comparative Medicine and Pathology, Memorial Sloan-Kettering Cancer Center, New York, NY

2010- Assistant Professor, Department of Comparative Pathology, Weil Cornell Medical College, New York, NY

2011- Assistant Laboratory Member, Sloan Kettering Institute, Memorial Sloan Kettering Cancer Center, New York, NY

2012- Adjunct Assistant Professor, Department of Pathobiology and Veterinary Science, University of Connecticut, Storrs, CT

2013- Research Associate, Comparative Bioscience Center, The Rockefeller University, New York, NY

**Certification:**

2003 Diplomate, American College of Veterinary Pathologists

**Professional Activities:**

2003- Invited reviews: *Journal of Zoo and Wildlife Medicine* (2003-2007); *Veterinary Pathology* (2003-present), *Comparative Medicine* (2009-present)

2006-2007 Examination Committee, American College of Veterinary Pathologists

2010-2015 Resident Training Committee, American College of Veterinary Pathologists

2012-2015 Judge, Student Poster/presentations, American College of Veterinary Pathologists Annual Conference

**C. Contributions to Science**

**My primary role as a Comparative Pathologist in the Laboratory of Comparative Pathology is to provide research support to investigators at Memorial Sloan Kettering Cancer Center, Cornell School of Medicine, and The Rockefeller University. As such, I have worked on a large number of varied projects and have a particular interest in the areas of gastrointestinal disease and the microbiome.**

**Peer-Reviewed Publications**

1. Burr HN, Lipman NS**, White JR ,** Zheng J, Wolf FR. Strategies to prevent, treat, and provoke Corynebacterium-associated hyperkeratosis in athymic nude mice. *J Amer Assoc Lab Anim Sci.* 2011; 50(3):601-611.

2. Servais E, Colovos C, **White JR**., Sadelain M. Animal models and molecular imaging tools to investigate lymph node metastases. *J Molec Med*. 2011; 89(8):753-69.

3. Cassano AE, **White JR**; Penraat K, Wilson CD, Rasmussen S, Karatsoreos IN. Anatomic, hematologic, and biochemical features of C57BL/6NCrl mice maintained on chronic oral corticosterone. *Comp Med.* 2012; 62(5):348-60.

4. Xiong X, Chorzalska A, Dubielecka PM, **White JR**, Vedvyas Y, Hedvat CV, Haimovitz-Friedman A, Koutcher JA, Reimand J,Bader GD, Sawicki JA, Kotula L. Disruption of Abi1/Hssh3bp1 expression induces prostatic intraepithelial neoplasia in the conditional Abi1/Hssh3bp1 KO mice. *Oncogenesis. 2012 Sep*

*3;1:e26.*

5. Liu X, He Y, Xiao K, **White J**, Fusco D, Papanicolaou G. Effect of linezolid on clinical severity and pulmonary cytokines in a murine model of influenza A and *Staphylococcus aureus* co-infection. *PLoS ONE. 2013;8(3):1-10.*

6. Collymore C, **White J**, Lieggi C. Case Report: *Trichodina xenopodus*, a Ciliated Protozoan, in a Laboratory-Maintained *Xenopus laevis*. *Comp. Med. 2013;63(4):310-12.*

7. Ortiz B, **White JR**, Wu W, Chan T. Deletion of Ptprd and Cdkn2a cooperate to accelerate tumorigenesis. Oncotarget. 2014 Aug 30;5(16):6976-82.

8. Collymore C, Watral V, **White JR**, Colvin M, Rasmussen S, Tolwani R, Kent M. Tolerance and Efficacy of Emamectin benzoate and Ivermectin for the Treatment of Pseudocapillaria tomentosa in Laboratory Zebrafish (Danio rerio). Zebrafish. 2014 Oct;11(5):490-7.

9. Harmsen, S, Huang R, Wall M, Karabeber H, Samii J, Spaliviero M, **White JR**, Monette S, O’Connor R, Pitter K, Saborowski M, Holland E, Singer S, Lowe S, Blasberg R, Kircher M. SERRS-Nanostars for high-precision cancer imaging. Sci Transl Med. 2015 Jan 21;7(271):271ra7.

10. Zhang L, Adileh M, Martin ML, Klingler S, **White J**, Ma X, Howe LR, Brown AM,

Kolesnick R. Establishing estrogen-responsive mouse mammary organoids from single

Lgr5(+) cells. Cell Signal. 2017 Jan;29:41-51.

11. Santagostino SF, Arbona RJR, Nashat MA, **White JR**, Monette S. Pathology of

Aging in NOD scid gamma Female Mice. Vet Pathol. 2017 Sep;54(5):855-869.

12. Peneyra SM, Cardona-Costa J, **White J**, Whipps CM, Riedel ER, Lipman NS, Lieggi

C. Transmission of Pseudoloma neurophilia in Laboratory Zebrafish (Danio rerio)

When Using Mass Spawning Chambers and Recommendations for Chamber Disinfection.

Zebrafish. 2017 Oct 19. [Epub ahead of print]

**D. Additional Information: Research Support and/or Scholastic Performance**

**Ongoing Research Support (examples)**

Chan (PI) Internal MSKCC support.

Characterization of tumorigenesis in *Park2-p16* KO mice

The goal of this study is to evaluate differences in tumorigenesis (in regards to tumor types, distribution, and survival time) in Park2-p16 KO mice vs. WT-P16 KO mice.

Role: Collaborator (pathology support)

Ivashkiv (PI) Internal MSKCC support.

Phenotypic analysis of a novel mutant mouse.

The goal of this study is a phenotypic analysis of a novel mutant mouse, with particular focus on the development and characterization of immune-mediated arthritis.

Role: Collaborator (pathology support)

Kolesnick (PI) Internal MSKCC support.

Characterization and treatment of graft-vs-host disease in the intestinal tract.

The goal of this study is to characterization and evaluation of a novel antibody treatment of graft-vs. host disease in the intestinal tract of mice.

Role: Collaborator (pathology support)

Lipkin (PI) Internal MSKCC support.

Characterization of inflammatory bowel disease in mutant mice and the influence of the microbiota on disease severity

Role: Collaborator (pathology support).

Vartanian (PI) Internal MSKCC support.

Evaluation of the potential effects of a novel treatment to aid in healing of a surgical rat model of spinal cord damage

The goal of this study is to evaluate the spinal cord following surgery with and without a novel treatment to aid in healing.

Role: Collaborator (pathology support)

**Completed Research Support (examples)**

Schwartz (PI) Internal MSKCC support. 5/1/08-10/1/09

Efficacy of Poly Ester Amide Dressings on Partial Thickness Wound Healing in Pigs

The goal of this study was to compare wound healing in pigs in which poly ester amide dressings had been applied to control pigs and those in which other types of dressings were used.

Role: Co-PI

Li (PI) Internal MSKCC support. 3/1/10-9/1/10

Phenotyping of a transgenic rat model of Parkinson’s disease

The goal of this study was to evaluate changes in the peripheral and central nervous system in rats deficient for alpha-synuclein

Role: Collaborator (pathology support)

Chiosis (PI) Internal MSKCC support. 2010-2012

Treatment of transgenic mouse model of Alzheimer’s disease

The goal of this study was to evaluate the efficacy of a HSP inhibitor for treatment of Alzheimer’s disease

Role: Collaborator (pathology support)

Kotula (PI) Internal MSKCC and external (grant-funded) support. 2010-1016

Cancer Biology of the Abi1/Hssh3bp1 Conditional KO Mouse

The goal of this study was to evaluate the phenotype of mice with a global conditional disruption of the Abi1/Hssh3bp1 gene to look for prostatic and other neoplasms.

Role: Collaborator (pathology support)