

## **AMANDA P. BECK, DVM, DACVP**

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### **EDUCATION AND RESIDENCY TRAINING**

- 2022 – pres            Hofstra University  
Master of Science in Education (MSED)
- 2010 – 2011           Resident in Anatomic Pathology (Year 3)  
Kansas State University College of Veterinary Medicine
- 2008 – 2010           Resident in Anatomic Pathology (Year 1-2)  
The Rockefeller University in collaboration with the Animal Medical  
Center, Memorial Sloan Kettering, Cancer Center and Weill Cornell  
Medical College
- 2004 – 2008           Kansas State University College of Veterinary Medicine  
Doctor of Veterinary Medicine  
*Magna cum laude*
- 2000 – 2004           Bates College, Lewiston, ME  
Bachelor of Science, Biological Chemistry  
*Summa cum laude*

### **POSTDOCTORAL TRAINING**

- 2013 – 2014           Postdoctoral Research Associate, Comparative Pathology  
The Scripps Research Institute; Jupiter, FL
- 2012 – 2013           Fellow, Diagnostic and Experimental Laboratory Animal Pathology  
Yale University School of Medicine, Section of Comparative Medicine
- 2011 – 2012           Postdoctoral Research Associate, Virology  
Department of Homeland Security and Kansas State University  
Department of Diagnostic Medicine and Pathobiology

### **PROFESSIONAL EMPLOYMENT AND HOSPITAL APPOINTMENTS**

- 2022 – present        Associate Professor, Department of Cell Biology and Anatomy  
New York Medical College

## **CURRICULUM VITAE**

2022 – present	Director of Self-Directed Learning and Evidence-Based Practice School of Medicine, New York Medical College
2022 – present	Adjunct Clinical Associate Professor, Department of Pathology Albert Einstein College of Medicine
2019 – 2022	Associate Professor, Department of Pathology Albert Einstein College of Medicine
2016 – 2019	Assistant Professor, Department of Pathology Albert Einstein College of Medicine
2016 – 2022	Scientific Director, Histology and Comparative Pathology Facility Albert Einstein College of Medicine/Albert Einstein Cancer Center
2014 – 2016	Assistant Professor, Department of Veterinary Sciences The University of Texas MD Anderson Cancer Center Michale E. Keeling Center for Comparative Medicine and Research

## **CERTIFICATION AND LICENSURE**

2011	Diplomate, American College of Veterinary Pathologists (ACVP)
2008	Kansas Veterinary Medicine Practice License (active)

## **PROFESSIONAL SOCIETY MEMBERSHIPS**

2019 – present	The New York Academy of Sciences
2011 – present	American College of Veterinary Pathologists
2008 – present	American Veterinary Medical Association
2008 – present	Kansas Veterinary Medical Association
2007	Society of Phi Zeta, Sigma Chapter
2004	Phi Beta Kappa Society

## **AWARDS AND HONORS**

2021	Samuel M. Rosen Award for Outstanding Teaching (Pre-Clerkship), Albert Einstein College of Medicine
2020	TEACHING STAR Letter of Commendation, Clinical and Developmental Anatomy, Laboratory Instructor
2020	TEACHING STAR Letter of Commendation, Molecular and Cellular Foundations of Medicine Unit 4, Small Group Facilitation Skills
2019	TEACHING STAR Letter of Commendation, Molecular and Cellular Foundations of Medicine Unit 1, Lecturing Skills

## CURRICULUM VITAE

2019	TEACHING STAR Letter of Commendation, Molecular and Cellular Foundations of Medicine Unit 1, Small Group Facilitation Skills
2017	Samuel W. Thompson Lectureship Award, Charles Louis Davis Foundation for the Advancement of Veterinary and Comparative Pathology
2017	Elected Member, Faculty of Discussants, Charles Louis Davis Foundation for the Advancement of Veterinary and Comparative Pathology
2008	Merck Veterinary Manual Award (students in the top 10% of the graduating class academically)
2008	Donald M. and Marilyn B. Trotter Award for Proficiency in Anatomy or Morphologic Pathology
2008	Dr. O.M. Franklin Toxicology Award
2007	American College of Veterinary Pathologists Scholarship for Externships
2007	Miller Pathology Scholarship Award
2005	National Chancellor's List
2004	Merck-Merial Award for Achievement in Biological Chemistry
2004	National Dean's List
2004	New England Small College Athletic Conference 1 <sup>st</sup> Team All-Academic
2002, 2003, 2004	National Fast-pitch Softball Coaches Association Academic All-American
2000	Charles A. Dana Scholar for excellence in academics and leadership

## OTHER PROFESSIONAL ACTIVITIES

### Medical Student, Graduate Student and Resident Teaching:

2022 – present	Course Director and Small Group Facilitator Critical Reasoning Exercises – Self Directed Learning Medical School Curriculum, Year 1 School of Medicine, New York Medical College
2022 – present	Small Group Facilitator, Clinical Case Conferences Neuroscience Course Medical School Curriculum, Year 1 School of Medicine, New York Medical College
2021	Lecturer Musculoskeletal System Course Medical School Curriculum, Year 2 Albert Einstein College of Medicine
2020 – 2022	Foundational Block Leader, Block 1 Albert Einstein College of Medicine

## CURRICULUM VITAE

- 2020 – 2021 Developer and Basic Science Educator, Pre-Clerkship Problem Based Learning Cases Pilot Program  
Albert Einstein College of Medicine
- 2020 – 2021 Co-Course Director and Group Facilitator  
Current Topics in Biomedicine Elective  
Medical School Curriculum, Year 1 and 2  
Albert Einstein College of Medicine
- 2020 – 2021 PhD Thesis Committee Member  
Michelle Schumacher, Laboratory of Dr. Chandan Guha  
Jeb English, Laboratory of Dr. Chandan Guha  
Albert Einstein College of Medicine
- 2020 – 2021 Facilitator, Acute Rhinosinusitis: Integrating Basic and Clinical Sciences in the Care of Patients  
Transition to Clerkship  
Albert Einstein College of Medicine
- 2020 Pathology “Career Night”  
Office of Student Affairs, Career Advisory Program  
Albert Einstein College of Medicine
- 2019 – 2020 Co-Course Director, Lecturer and Group Facilitator  
Disease Mechanisms Course  
Medical School Curriculum, Year 1  
Albert Einstein College of Medicine
- 2019 – 2021 Lecturer and Laboratory Instructor  
Clinical and Developmental Anatomy  
Medical School Curriculum, Year 1  
Albert Einstein College of Medicine
- 2018 – 2020 Basic Scientist Educator  
Aquifer Sciences Course Development Pilot School Program  
Albert Einstein College of Medicine
- 2018 – 2019 Lecturer and Laboratory Instructor  
Medical Histology and Cell Structure Course  
Medical School Curriculum, Year 1  
Albert Einstein College of Medicine
- 2017 – 2018 PhD Thesis Committee Member  
Mark Barahman, Laboratory of Dr. Chandan Guha  
Albert Einstein College of Medicine

## CURRICULUM VITAE

- 2016 – 2021      Lecturer and Group Facilitator  
Molecular and Cellular Foundations of Medicine Course  
Genetics, Immunology and Metabolism Blocks  
Medical School Curriculum, Year 1  
Albert Einstein College of Medicine
- 2015              Lecturer  
Principles of Experimental Mouse Pathology Course  
The University of Texas Graduate School of Biomedical Sciences
- 2013              Visiting Pathologist  
James Cook University, Discipline of Anatomy and Pathology  
Townsville, QLD, Australia
- Committee Service:**
- 2022 – present      1<sup>st</sup> and 2<sup>nd</sup> Year Subcommittee  
School of Medicine, New York Medical College
- 2022 – present      3<sup>rd</sup> and 4<sup>th</sup> Year Subcommittee  
School of Medicine, New York Medical College
- 2022 – present      Curriculum Redesign Steering Committee  
School of Medicine, New York Medical College
- 2022 – present      Education and Curriculum Committee  
School of Medicine, New York Medical College
- 2022              Reviewer, Medical Education Proposals  
AAMC Learn Serve Lead Annual Meeting
- 2022              Reviewer, Medical Education Proposals  
Northeast Group on Educational Affairs (NEGEA) Spring Meeting
- 2021              Member, Integration and Intersessions Task Force  
Albert Einstein College of Medicine
- 2021              Member, Early Identification of and Assistance for Students Struggling in  
Courses Task Force  
Albert Einstein College of Medicine
- 2021              Member, Revising Course and Instructor Evaluation Forms Task Force  
Albert Einstein College of Medicine

## CURRICULUM VITAE

- 2020 Member, Clinical Experiences and Capstone Task Force  
Albert Einstein College of Medicine
- 2020 *Ad Hoc* Chair, Committee on Appointments and Promotions  
Albert Einstein College of Medicine
- 2019 – 2021 Chair (2021) and Vice Chair (2020)  
Training Program Network Committee  
American College of Veterinary Pathologists
- 2019 – present Member, Education Focused Scientific Session Committee  
American College of Veterinary Pathologists Annual Meeting
- 2019 – 2021 Member, Program Evaluation and Curricular Improvement Subcommittee  
Albert Einstein College of Medicine
- 2019 – 2021 Member, Course Directors Subcommittee  
Albert Einstein College of Medicine
- 2019 – 2021 Member, Competency Based Medical Education and Student Assessment  
Subcommittee  
Albert Einstein College of Medicine
- 2019 Poster Judge, Focused Scientific Session Committee  
American College of Veterinary Pathologists Annual Meeting
- 2019 Member, Grant Implementation Task Force  
American College of Veterinary Pathologists
- 2018 – 2019 Developer, Pillars of Pathology Event  
Education Committee  
American College of Veterinary Pathologists
- 2017 – present Member and Reviewer, Late Breaking Abstracts Committee  
American College of Veterinary Pathologists Annual Meeting
- 2015 Faculty Search Committee for Basic Scientist  
The University of Texas MD Anderson Cancer Center  
Michale E. Keeling Center for Comparative Medicine and Research
- 2014 Member, Committee for Standard Setting  
American College of Veterinary Pathologists
- 2012 Faculty Search Committee for Molecular Virologist  
Kansas State University College of Veterinary Medicine

## CURRICULUM VITAE

### Editorial Review Boards:

2020 – present	Reviewer, <i>Annals of Internal Medicine</i>
2020 – present	Reviewer, <i>Journal of Veterinary Cardiology</i>
2020 – present	Reviewer, <i>Journal of Histochemistry &amp; Cytochemistry</i>
2019 – 2020	Guest Editor, Special Issue on Animal Models, <i>Cell and Tissue Research</i>
2019 – present	Review Editor, <i>Frontiers of Veterinary Science</i>
2017 – present	Editorial Board, <i>Veterinary Pathology</i>
2017 – present	Reviewer, <i>Toxicologic Pathology</i>
2017 – present	Reviewer, <i>Institute for Laboratory Animal Research (ILAR) Journal</i>
2015 – present	Reviewer, <i>Journal of Cancer Therapy</i>
2013 – present	Reviewer, <i>Veterinary Pathology</i>

### Other:

2021	The Harvard Macy Institute's Transforming Your Teaching for the Virtual Environment Course Harvard University
2021	Advanced Teaching Skills Harvard Medical School and Brigham and Women's Hospital
2020	The Harvard Macy Institute's A Systems Approach to Assessment in Health Professions Education Course Harvard University
2020	Principles of Medical Education: Maximizing Your Teaching Skills Carl J. Shapiro Institute for Education and Research Harvard Medical School and Beth Israel Deaconess Medical Center
2020	North American Veterinary Licensing Examination (NAVLE) Item Writer Training Workshop International Council for Veterinary Assessment (ICVA)
2019 – 2020	Leadership Education and Development (LEAD) Certificate Program Association of American Medical Colleges
2019	Scientists Teaching Science Certificate The New York Academy of Sciences
2017	Co-Chair, Plenary Session (Autophagy) American College of Veterinary Pathologists Annual Meeting Vancouver, British Columbia, Canada

## CURRICULUM VITAE

- 2016 – present      Presenter  
Combined Veterinary Pathology Rounds  
New York City, NY
- 2016 – 2018      Judge, Annual Department of Pathology Retreat Poster Session  
Albert Einstein College of Medicine
- 2013 – present      Member and Presenter  
Academy for Genomic Pathology (AGP) Rounds, Davis, CA

## RESEARCH

- 2020 – 2022      National Institute on Aging (NIA), Division of Aging Biology  
Nathan Shock Center of Excellence in Basic Biology of Aging  
Core Support – Histopathology Facility  
Role: Core Director  
PI: Nir Barzilai  
P30AG038072
- 2016 – 2022      National Cancer Institute (NCI)  
Albert Einstein Cancer Center  
Cancer Center Core Support – Histopathology Facility  
All effort is toward the evaluation of mechanisms of cancer growth,  
metastasis, and therapeutics as faculty advisor to the Histology and  
Comparative Pathology Facility within the Cancer Center Core Facilities.  
Role: Core Director  
PI: David Goldman / Edward Chu  
P30CA013330
- 2012      Career Development Program in Zoonotic and Animal Disease Defense  
(ZADD) Award  
Foreign Animal and Zoonotic Disease Defense (FAZD) Center  
Department of Homeland Security (HS-STEM)  
All effort was toward characterizing features of the African Swine Fever  
virus, concerning its infectivity and the subsequent host immune response.  
Role: Post-doctoral student  
PI: Raymond R.R. Rowland



## CURRICULUM VITAE

### INVITED PRESENTATIONS

#### International:

- 2022 (*invited*) Workshop on the Pathology of Non-human Primates.  
Davis-Thompson DVM Foundation European Division  
Athens, Greece
- 2022 (*invited*) Scientific Session: Veterinary Pathologist in Biomedical Research  
European College of Veterinary Pathologists / European Society of  
Veterinary Pathology Annual Conference  
Athens, Greece

#### National:

- 2021 “Common Pathologic Findings in Research Animals: Mice”  
Kansas State University College of Veterinary Medicine  
Manhattan, KS
- 2021 “Common Pathologic Findings in Research Animals: Non-Human  
Primates”  
Kansas State University College of Veterinary Medicine  
Manhattan, KS
- 2021 “Unique Anatomy and Histology of the Mouse”  
Kansas State University College of Veterinary Medicine  
Manhattan, KS
- 2020 “From observer to contributor: A journey into medical education  
leadership”  
Leadership Education and Development (LEAD) Certificate Program  
Association of American Medical Colleges
- 2019 “Choosing the Most Appropriate Models: Considerations When Studying  
Human Diseases”  
Mini-Symposium II: Challenges of Animal Models  
American College of Veterinary Pathologists Annual Meeting  
San Antonio, TX
- 2019 Panelist  
Mini-Symposium II: Challenges of Animal Models  
American College of Veterinary Pathologists Annual Meeting  
San Antonio, TX

## CURRICULUM VITAE

- 2018                      Lecturer  
Gross Pathology of Laboratory Rodents and Rabbits  
Annual Gross Pathology Review Course  
Charles Louis Davis Foundation for the Advancement of Veterinary and  
Comparative Pathology
- 2017 – present        Lecturer  
Diseases of Non-Human Primates  
Annual Pathology of Laboratory Animals (POLA) Course  
Charles Louis Davis Foundation for the Advancement of Veterinary and  
Comparative Pathology  
University of Pennsylvania; Philadelphia, PA  
Presented virtually in 2020, 2021
- 2016 – 2017            Lecturer  
Gross Pathology of Non-Human Primates  
Annual Gross Pathology Review Course  
Charles Louis Davis Foundation for the Advancement of Veterinary and  
Comparative Pathology
- Regional:**
- 2020, 2021            “To Vet or Not to Vet? That is the Question!”  
Pre-Veterinary Studies Student Group  
Manhattan College; Bronx, NY
- 2019                    “Veterinary Pathology”  
Medical Career Panel  
Purchase College, State University of New York; Purchase, NY
- 2019                    “Non-Traditional Careers in Science”  
Annual Professional Science Symposium  
Manhattanville College; Purchase, NY
- 2019                    “Comparative Pathologists in Translational Biomedical Research”  
Careers in Science Seminar Series  
Iona College; New Rochelle, NY
- 2014                    “Federal Regulations Governing Use of Vertebrate Animals in Research”  
Jupiter Summer Science Experience  
Florida Atlantic University Honors College; Jupiter, FL

## CURRICULUM VITAE

### Local:

- 2021 “Writing and Analyzing Multiple Choice Test Questions”  
Office of Faculty Development  
Albert Einstein College of Medicine; Bronx, NY
- 2020, 2021 “Small Group Facilitation”  
Medical Education Pathway November Intensive  
Internal Medicine Residency Program at Einstein-Montefiore
- 2020 “Small Group Facilitation”  
Office of Faculty Development  
Albert Einstein College of Medicine; Bronx, NY
- 2020 “Off the Beaten Path: Careers for PhDs in Clinical Laboratories”  
Career and Professional Development Program  
Albert Einstein College of Medicine; Bronx, NY
- 2019 “Pathways to Success at the Einstein Cores”  
Faculty Interactions Committee  
Albert Einstein College of Medicine; Bronx, NY
- 2019 “Career Opportunities in Core Facilities, Faculty Panel”  
Albert Einstein College of Medicine; Bronx, NY
- 2019 Grand Rounds, Department of Pathology  
Montefiore Medical Center; Bronx, NY
- 2018 “What in the world is a DACVP and how can we help you with your career?”  
Cellular & Molecular Biology and Genetics Training Program Annual  
Retreat  
Albert Einstein College of Medicine; Bronx, NY
- 2018 “Established Patters of Animal Study Design Undermine Translatability of  
Disease-Modifying Therapies for Parkinson’s Disease”  
Albert Einstein College of Medicine; Bronx, NY
- 2017 “Unique Anatomy and Histology of the Mouse”  
Albert Einstein College of Medicine; Bronx, NY
- 2017 “Pathology of the Mouse”  
Albert Einstein College of Medicine; Bronx, NY
- 2016 “I Have a Mouse for Pathology...Now What?”  
Albert Einstein College of Medicine; Bronx, NY

## CURRICULUM VITAE

- 2015 “Mouse Behavioral Phenotyping”  
Grand Rounds  
The University of Texas MD Anderson Cancer Center at Science Park;  
Smithville, TX
- 2014 “Pathology of the Mouse”  
Kenan Fellow Summer Intern Research Seminar Series  
The Scripps Research Institute; Jupiter, FL

## BIBLIOGRAPHY

### Original Communications in Peer-Reviewed Journals:

1. Basel MT, Balivada S, **Beck AP**, Kerrigan MA, Pyle MM, Dekkers JC, Wyatt CR, Rowland RR, Anderson DE, Bossmann SH, Troyer DL. Human Xenografts Are Not Rejected in a Naturally Occurring Immunodeficient Porcine Line: a Human Tumor Model in Pigs. *BioRes Open Access*. 2012; 1(2):63-68.
2. **Beck AP** and Jones ML. Chondrosarcoma of the scapula of an 8 month old Holstein steer. *J Vet Diagn Invest*. 2012;24:791-793.
3. Opoku-Acheampong AB, Unis D, Henningson J, **Beck AP**, Lindshield B. Preventive and Therapeutic Efficacy of Finasteride and Dutasteride in TRAMP mice. *PLoS ONE*. 2013; 8(10):e77738.
4. Shishido SN, Prasain K, **Beck A**, Nguyen TDT, Hua DH, Nguyen TA. Bioavailability and efficacy of a gap junction enhancer (PQ7) in a mouse mammary tumor model. *PLoS ONE*. 2013; 8(6):e67174.
5. Shishido SN, Faulkner EB, **Beck A**, Nguyen TA. The Effect of Antineoplastic Drugs in a Male Spontaneous Mammary Tumor Model. *PLoS ONE*. 2013;8(6):e64866.
6. Shishido SN, Delahaye A, **Beck A**, Nguyen TA. The MMTV-PyVT transgenic mouse as a multistage model for mammary carcinoma and the efficacy of antineoplastic treatment. *J Cancer Ther*. 2013;4:1187-1197.
7. Jones ML, **Beck AP**, Dubielzig RR. Diagnostic Exercise: Bilateral Buphthalmia in a Longhorn Steer. *Vet Pathol*. 2013;50(1):212-214.
8. **Beck AP**, Erdelyi I, Zeiss CJ. Endometrial Decidualization and Deciduososis in Aged Rhesus Macaques (*Macaca mulatta*). *Comp Med*. 2014;64(2):148-156.

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9. **Beck AP**, Brooks A, Zeiss CJ. Invasive Ductal Carcinoma in Two Rhesus Macaques (*Macaca mulatta*). *Comp Med*. 2014;64(4):314-22.
10. **Beck AP**, Compton SR, Zeiss CJ. Pathology in Practice: Hamster Polyomavirus in a Pet Syrian Hamster (*Mesocricetus auratus*). *J Am Vet Med Assoc*. 2014;244(9):1037-1039.
11. Caporizzo DJ, Kwiatkowski AE, Chen M-K, **Beck AP**, Booth CJ, Zeiss C, Smith PC, Scholz JAC, Wilson SR. Use of FDG-PET-CT to Aid in a Diagnosis of Intestinal Adenocarcinoma in Two Rhesus Macaques. *Comp Med*. 2014; 264(3):211-220.
12. Li X, Galliher-Beckley A, Pappan L, Tribble B, Kerrigan M, **Beck A**, Hesse D, Blecha F, Nietfeld JC, Rowland RR, Shi J. Comparison of Host Immune Responses to Homologous and Heterologous Porcine Reproductive and Respiratory Syndrome Virus (PRRSV) Challenge in Vaccinated and Unvaccinated Pigs. *Biomed Res Int*. 2014;2014:416727.
13. Cox MM, Wendler CC, Erdelyi I, **Beck A**, Zeiss C, Rivkees SA. Chronic Neonatal Diazoxide Therapy is Not Associated with Adverse Effects on Behavior. *OnLine Journal of Biological Sciences*. 2014;14(1):49-56.
14. Shishido SN, Delahaye A, **Beck A**, Nguyen TA. The anticancer effect of PQ1 in the MMTV-PyVT mouse model. *Int J Cancer*. 2014;134(6):1474-1483.
15. Goldstein J, Roth E, Roberts N, Zwick R, Lin S, Fletcher S, Tadeu A, Wu C, **Beck A**, Zeiss C, Suarez-Farinas M, Horsley V. Loss of endogenous Nfatc1 reduces the rate of DMBA/TPA-induced skin tumorigenesis. *Mol Biol Cell*. 2015;26(20):3606-3614.
16. Wang J, Jiang Z, Lam W, Gullen E, Yu Z, Wei Y, Wang L, Zeiss C, **Beck A**, Cheng E, Cheng W, Cheng Y, Zhang Y. Study of Malformin C, a Fungal Cyclic Pentapeptide, as an Anti-cancer Drug. *PLoS ONE*. 2015;10(11):e0140069.
17. **Beck AP**, Magden ER, Buchl SJ, Baze WB. Malignant Neoplasia of the Sex Skin in Two Chimpanzees (*Pan troglodytes*). *Comp Med*. 2016;66(2):154-161.
18. **Beck AP**, Gray SB, Chaffee BK. Disseminated Hemangiosarcoma in a Juvenile Rhesus Macaque (*Macaca mulatta*). *Comp Med*. 2016;66(3):246-253.
19. Chaffee BK, **Beck AP**, Owston MA, Kumar S, Baze WB, Magden ER, Dick EJ, Lammey M, Abee CR. Spontaneous Reproductive Tract Lesions in Aged Captive Chimpanzees. *Vet Pathol*. 2016;53(2):425-435.
20. Smith PC, Zeiss CJ, **Beck AP**, Scholz JA. *Demodex musculi* Infestation in Genetically Immunomodulated Mice. *Comp Med*. 2016;66(4):278-285.
21. Chandra D, Selvanesan BC, Yuan Z, Libutti SK, Koba W, **Beck A**, Zhu K, Casadevall A,

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Dadachova E, Gravekamp C. 32-phosphorus selectively delivered by listeria to pancreatic cancer demonstrates a strong therapeutic effect. *Oncotarget*. 2017;8(13):20729-20740.

22. Zeiss CJ, Allore H, **Beck AP**. Established patterns of animal study design undermine translation of disease-modifying therapies for Parkinson's disease. *PLoS ONE*. 2017; 12(2):e0171790.

23. **Beck AP**, Shima AL, Bennett MD, Johnson LK. Metastatic Squamous Cell Carcinoma in a Northern Brown Bandicoot (*Isodon macrourus*). *Vet Sci*. 2017;4(1):10-16.

24. Tabrizian T, Wang D, Guan F, Hu Z, **Beck A**, Delahaye F, Huffman DM. Apc inactivation, but not obesity, synergizes with *Pten* deficiency to drive intestinal stem cell-derived tumorigenesis. *Endocr Relat Cancer*. 2017; 24(6):253-265.

25. Opoku-Acheampong AB, Henningson J, **Beck AP**, Lindshield BL. 5 $\alpha$ -reductase 1 mRNA Levels are Positively Correlated with TRAMP Mouse Prostate Most Severe Lesion Scores. *PLoS ONE*. 2017;12(5): e0175874.

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28. Meyerholz DK and **Beck AP**. Principles and approaches for reproducible scoring of tissue stains in research. *Lab Invest*. 2018;98:844-855.

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29. Caswell JL, Bassel LL, Rothenburger JL, Gröne A, Sargeant JM, **Beck AP**, Ekman S, Gibson-Corley KN, Kuiken T, LaDouceur EEB, Meyerholz DK, Origgi FC, Posthaus H, Priestnall SL, Ressel L, Sharkey L, Teixeira LBC, Ward JM, Webster JD, Yamate J. Observational Study Design in Veterinary Pathology. Part 1: Study Design. *Vet Pathol*. 2018; 55(5):607-621.

30. Meyerholz DK, **Beck AP**, Goeken JA, Leidinger MR, Ofori-Amanfo GK, Brown HC, Businga TR, Stoltz DA, Reznikov LR, Flaherty HA. Glycogen depletion can increase the specificity of mucin detection in airway tissues. *BMC Research Notes*. 2018;11:763.

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32. Meyerholz DK and **Beck AP**. Fundamental concepts for semiquantitative tissue scoring in translational research. *ILAR J*. 2018;59(1):13-17.
33. Barahman M, Zhang W, Harris HY, Aiyer A, Kabarriti R, Kinkhabwala M, Roy-Chowdhury N, **Beck AP**, Scanlan TS, Roy-Chowdhury J, Asp P, Guha C. Radiation-primed hepatocyte transplantation in murine monogenic dyslipidemia normalizes cholesterol and prevents atherosclerosis. *J Hepatol*. 2019;70(6):1170-1179.
34. Meyerholz DK, Tittle NL, **Beck AP**. Common Pitfalls in Analysis of Tissues Scores. *Vet Pathol*. 2019;56(1):39-42.
35. Wahezi SE, Mohamed SE, Lederman A, **Beck AP**. Aggregation Properties of Triamcinolone Acetonide Injection in Human Serum. Considerations when performing epidural steroid injections. *Journal of Pain Research*. 2019;12:1033-1039.
36. Zeiss CJ, Shin D, VanderWyck B, **Beck AP**, Zatz N, Sneiderman C, Kilicoglu H. Menagerie: A text-mining tool to support animal-human translation in neurodegeneration research. *PLoS One*. 2019;14(12):e0226176.
37. **Beck AP**, Li H, Ervin SM, Redinbo MR, Mani S. Inhibition of Microbial Beta-Glucuronidase Does Not Prevent Breast Carcinogenesis in the Polyoma Middle T Mouse. *bioRxiv*. 2019;746602.<https://doi.org/10.1101/746602>.
38. Meyerholz DK, **Beck AP**, Singh B. Innovative Use of Animal Models to Advance Scientific Research. *Cell Tissue Res*. 2020;380:205–206.
39. **Beck AP** and Meyerholz DK. Evolving challenges to model human diseases for translational research. *Cell Tissue Res*. 2020;380:305-311.
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41. Chen K, Cho SY, Zhang Y, **Beck A**, Segall JE. A role for KIF9 in male fertility. *bioRxiv*. 2020;001602. <https://doi.org/10.1101/2020.03.21.001602>.
42. Selvanesan BC, Meena K, **Beck A**, Meheus L, Lara O, Rooman I, Gravekamp C. Nicotinamide combined with gemcitabine is an immunomodulatory therapy that restrains pancreatic cancer in mice. *J Immunother Cancer*. 2020;8(2):e001250.

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51. Henick S, Goldberg C, Steinman H, **Beck AP**, Abuzeid W, Akbar N, Cassese T. Mechanism of Disease Maps Foster Medical Student Cognitive Integration of Basic Science and Clinical Care. *MedEdPORTAL*. Submitted.



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### **B. Books, Chapters in Books, Review Articles, and Other Non-Peer-reviewed Publications:**

#### **Chapters in Books:**

1. Meyerholz DK, **Beck AP**. Histopathologic Evaluation and Scoring of Viral Lung Infection. In: Vijay R. (eds) *MERS Coronavirus*. Methods in Molecular Biology. 2020, vol 2099. Humana, New York, NY.

#### **Web Publications:**

1. **Beck AP** and Donovan TA. “Chemodectoma in the heart of a cat.” Histopathology slide submission and case review. Armed Forces Institute of Pathology Wednesday Slide Conference. February 3, 2010. <https://www.askjpc.org/wsco/wsc/wsc09/09WSC14.pdf>.

2. Meyerholz DK, **Beck AP**, Cheville NF. Segmented Filamentous Bacteria and immune system homeostasis. *Science* eLetter. March 28, 2019.  
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3. Fall L, Fulton TB, Allen M, Aronson J, **Beck A**, Bernstein J, Cassese T, Cho Y, Drowos J, English K, Harris D, Gorski V, Hochfelder C, Iyer S, Reichgott M, Sheridan L, Steinman H. *Aquifer Sciences Integrated Illness Scripts: Diabetes Mellitus - Type 1 (T1DM)*. Fall LH and Wilson-Delfosse AL, eds. [www.aquifer.org](http://www.aquifer.org). Date of First Publication: July 1, 2021.

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#### **Proceedings:**

1. **Beck AP**. Gross Pathology of Non-Human Primates. 43rd Annual Gross Pathology Review Course. Charles Louis Davis Foundation for the Advancement of Veterinary and Comparative Pathology. Kansas State University, Manhattan, KS. July 2016.

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3. **Beck AP**. Diseases of Non-Human Primates. Pathology of Laboratory Animals (POLA) Course. Charles Louis Davis Foundation for the Advancement of Veterinary and Comparative Pathology. University of Pennsylvania, Philadelphia, PA. August 2017.

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4. Meyerholz DK and **Beck AP**. Tissue scoring: Statistical approaches and data reporting. American College of Veterinary Pathologists Annual Meeting; Vancouver, BC, Canada. November 2017.
5. **Beck AP**. Gross Pathology of Laboratory Rodents and Rabbits. 45th Annual Gross Pathology Review Course. Charles Louis Davis Foundation for the Advancement of Veterinary and Comparative Pathology. Cornell University, Ithaca, NY. June 2018.
6. **Beck AP**. Diseases of Non-Human Primates. Pathology of Laboratory Animals (POLA) Course. Charles Louis Davis and Samuel Wesley Thompson DVM Foundation for the Advancement of Veterinary and Comparative Pathology. University of Pennsylvania, Philadelphia, PA. August 2019.
7. **Beck AP**. Diseases of Non-Human Primates. Pathology of Laboratory Animals (POLA) Course. Charles Louis Davis and Samuel Wesley Thompson DVM Foundation for the Advancement of Veterinary and Comparative Pathology. Virtual session. August 2020.
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### Abstracts:

1. **Beck AP**, Lieggi CC, White JR. Gas Bubble Disease in a Colony of *Xenopus laevis*. New England Veterinary Pathology Conference; Saratoga Springs, NY. October, 2009.  
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2. Cassano AE, Johnson LK, Ezell PC, **Beck AP**, Weis-Garcia F. Antibiotic-Associated *Clostridium difficile* Typhlitis in a Colony of Armenian Hamsters. Abstracts of Scientific Sessions, American Association for Laboratory Animal Science (AALAS) National Meeting; Atlanta, GA. September 2010.
3. **Beck AP**, Lieggi CC, White JR. Pathogenesis and Associated Lesions of Gas Bubble Disease in African Clawed Frogs (*Xenopus laevis*). American College of Veterinary Pathologists Annual Meeting; Baltimore, MD. November 2010.
4. Cino-Ozuna AG, Rowland RR, Nietfeld JC, Wyatt CR, Kerrigan MA, **Beck AP**, Dekkers JC, Balivada S, Troyer DL. Severe Combined Immunodeficiency-like Syndrome in Pigs. Society of Phi Zeta Research Day. Kansas State University College of Veterinary Medicine; Manhattan, KS. March 2012.
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6. Pappan L, Tribble B, Kerrigan M, **Beck A**, Li Y, Hesse D, Blecha F, Nietfeld JC, Rowland R, Shi J. Comparison of host immune responses to homologous and heterologous porcine reproductive and respiratory syndrome virus (PRRSV) challenge. Federation of the American Society of Experimental Biology (FASEB) Annual Meeting; San Diego, CA. April 2012.
7. **Beck AP**, Rowland RRR. New Tools for Understanding African Swine Fever Virus Protective Immunity and Immunopathogenesis. International African Swine Fever Symposium at the Biosecurity Research Institute of Kansas State University; Manhattan, KS. May 2012.
8. Opoku-Acheampong AB, Unis D, **Beck AP**, Henningson J, Lindshield BL. 5 $\alpha$ -reductase Inhibition to Decrease Prostate Tumor Growth in TRAMP mice. American Society for Pharmacology and Experimental Therapeutics (ASPET) Annual Meeting; Boston, MA. April 2013.
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10. Wang J, Jiang Z, Lam W, Gullen E, Zeiss C, **Beck A**, Cheng E, Cheng Y. Study of Malformin C, a fungal cyclic pentapeptide, as an anti-cancer drug. American Association for Cancer Research (AACR) Annual Meeting; San Diego, CA. April 2014.
11. **Beck AP**, Robinson AR, Farrell K, Wang J, Wang Y, Niedernhofer LJ. The Role of DNA Damage Resulting from Oxidative Stress and Lipid Peroxidation in Neurodegeneration in Models Deficient for Nucleotide Excision Repair. Environmental Mutagenesis and Genomics Society Annual Meeting; Orlando, FL. September 2014.
12. Magden ER, **Beck AP**, Buchl SJ, Baze WB. 2016. Sex Skin Squamous Cell Carcinoma in a Chimpanzee (*Pan troglodytes*). Association of Primate Veterinarians Annual Workshop; Charlotte, NC. October 2016.
13. Sundrud MS, Cao W, Kayama H, Chen ML, Delmas A, Sun A, Kim SY, McKevitt K, Rangarajan ES, **Beck AP**, Oikonomopoulos A, Lacey PN, Martinez GJ, Izard T, Lorenz RG, Rodriguez-Palacios A, Cominelli F, Abreu MT, Hommes DW, Korolov SB, Takeda K. The xenobiotic transporter Mdr1 permits T cell adaptation to mucosa-associated bile acids in the ileum. American Association of Immunologists Annual Meeting; Washington DC. May 2017.
14. Meyerholz DK and **Beck AP**. Evaluating approaches to analyze tissue score data. Avoiding pitfalls in statistical analysis of tissue scores. American College of Veterinary Pathologists Annual Meeting; Vancouver, BC, Canada. November 2017.
15. Meyerholz DK and **Beck AP**. Evaluating approaches to analyze tissue score data. Federation of the American Society of Experimental Biology (FASEB) Annual Meeting; San Diego, CA. April 2018.

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16. Wahezi SE, Mohamed SE, Lederman A, **Beck AP**. Aggregation Properties of Triamcinolone Acetonide Epidural Injection in Human Serum. American Academy of Pain Medicine's Annual Meeting; Vancouver, BC, Canada. April 2018.

17. Meyerholz DK, **Beck AP**, Goeken JA, Leidinger MR, Ofori-Amanfo GK, Brown HC, Watkins D, Businga TR, Flaherty HA. Evaluation of Histochemical Staining Techniques for the Assessment of Airway Mucus. American College of Veterinary Pathologists Annual Meeting; Washington DC. November 2018.

18. Meyerholz DK and **Beck AP**. Apples to Apples: Airway Caliber Versus Airway Wall Constituents. American College of Veterinary Pathologists Annual Meeting; Washington DC. November 2018.

19. Meyerholz DK and **Beck AP**. Airway caliber linked to wall thickness in mice: implications for morphometry. Federation of the American Society of Experimental Biology (FASEB) Annual Meeting; Orlando, FL. April 2019.

20. Adissu H, **Beck AP**, Piersigilli A, Ward J, Meyerholz DK. Exclusion of Pathologists from Authorship Diminishes the Rigor and Reproducibility of Pathology Data in Publications. American College of Veterinary Pathologists Annual Meeting; San Antonio, TX. November 2019.

21. Meyerholz DK and **Beck AP**. Adiposity of the B6 Mouse Lung. Federation of the American Society of Experimental Biology (FASEB) Annual Meeting (virtual). April 2020.

22. Henick S, Steinman H, **Beck AP**, Feinn R, Cassese T. Integration of Basic Science and Clinical Care Using Mechanism of Disease Maps. Group on Educational Affairs (GEA) Joint Regional Spring Conference (virtual). April 2021.

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23. Mullin S, McDougal R, Cheung K-H, Kilicoglu H, **Beck A**, Zeiss C. Chemical Entity Normalization for Successful Translational Development of Alzheimer's Disease and Dementia Therapeutics. Intelligent Systems for Molecular Biology and European Conference on Computational Biology (ISMB/ECCB) Annual Meeting (virtual). July 2021.

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24. Oza SK, Beck AP, Pinkas A, Rhim H. Virtual problem-based learning: an innovative approach to a time-honored pedagogical method during COVID-19. Northeast Group on Educational Affairs (NEGEA) Annual Conference (virtual). April 2022.

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