Curriculum Vitae

***Christopher A. Adin, DVM, DACVS***

Professor and Chair

Department of Small Animal Clinical Sciences

 College of Veterinary Medicine

 University of Florida

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**DEGREES**

Jan 1996, Cornell University, DVM, *with distinction*

Jan 1992, Duke University, BS (Zoology), *Cum Laude*

**CERTIFICATIONS**

Diplomate: Surgery, American College of Veterinary Surgeons, Feb 2002

**LICENSES**

Veterinary License: North Carolina Veterinary Medical Association, 2015 – present

Limited License: Ohio Veterinary Medical Association, Jan 2008 – 2015

Veterinary License: New York State Veterinary Medical Board, Jan 1996 - Dec 2012

**LEADERSHIP and HEALTHCARE COMMUNICATIONS TRAINING**

University of Florida Leadership Development Program, 2019-2020

International Mentoring Conference, Gainesville, FL, 2019

FRANK Communication Workshop, Fort Collins, CO, November, 2015

Strategic Leadership, Influencing and Innovating Program. Center for Creative Leadership, March 22-24, 2010

Bayer Animal Health Communication Project, Faculty Development Program, June 15-19, 2009

**PEDOGOGY and DIVERSITY TRAINING**

Education Session (Competency Based Veterinary Education), AAVMC Conference, March 2-4, 2018

QPR training (suicide awareness, prevention and response), NCSU, October 9, 2017.

“Making it Stick, The Science of Successful Learning”, NC State, Feb 15, 2017

“Workshop on Intercultural Competence: an Essential Skill for Vet Educators”, Karl Lorenz, NC State, Jan 27, 2016.

“Diversity Workshop”, National Coalition for Building Initiatives, NC State, Oct 2016.

“Workshop on Facilitating Group Learning” Todd Zakajesk, NC State, Jan 28, 2015.

**POSITIONS**

Sept. 2018-Present Professor and Chair, Dept. of Small Animal Clinical Sciences, University of Florida

Jan 2015-Aug 2018 Associate Professor, North Carolina State University College of Veterinary Medicine

Oct 2010-Jan. 2015 Associate Professor, The Ohio State University College of Veterinary Medicine

Oct 2008-Oct 2010 Assistant Professor, The Ohio State University College of Veterinary Medicine

Jul 2006 - Sep 2008 Staff Surgeon, Veterinary Specialists of Rochester

Oct 2001 - Jun 2006 Assistant Professor, University of Florida College of Veterinary Medicine

Jul 1997 - Jul 2001 Resident in Small Animal Surgery, University of California Davis College of Veterinary Medicine

Jul 1996 - Jul 1997 Fellow, Hemodialysis and Renal Medicine, University of California Davis College of Veterinary Medicine

**AWARDS / HONORS**

March 2018 Nominated for Zoetis Distinguished Veterinary Teacher Award, NC State University CVM

April 2014 Excellence in Teaching Award, The Ohio State University CVM, Class of 2015

March 2014 Nominated for Zoetis Distinguished Veterinary Teacher Award, The Ohio State CVM

May 2012 Poster Award, Ohio State Center for Clinical and Translational Sciences Meeting

Jun 2010 Clinical and Translational Sciences KL2 Career Development Award

Jan 2006 University of Florida Superior Accomplishment Award

Jan 2003 International Renal Interest Society Award

Jan 2002 American College of Veterinary Surgeons Resident Clinical Publication Award

Jan 2001 American College of Veterinary Surgeons, Resident Research Presentation Award, 2nd place

Jan 2001 American Association of Veterinary Clinicians Resident Award

**PUBLICATIONS**

***Summary of publications***

|  |  |
| --- | --- |
| **Published Work Type** | **Number of Publications** |
| Edited Books | 1 |
| Chapters in Edited Books | 10 |
| Bulletins, Tech Reports, Fact Sheets | 1 |
| Peer-reviewed Journal Articles | 67 |
| Abstract and Short Entries | 34 |
| Papers in Proceedings | 43 |
| **Total** | **156** |

**JOURNAL ARTICLES (*h-*index = 18, total of 1523 citations)**

***\* First or senior author, note: in some instances, senior author on veterinary publications is 2nd while senior author on translational research is last***

1. Gilor C, Yang K, Lee A, Song NJ, Fadda P, **Adin CA**, Herbert C, Jennings R, Ham K, Lee J, Ziouzenkova O. Thermogenic crosstalk occurs between adipocytes from different species. Sci Rep. 2019 Oct 23;9(1):15177
2. Bapna A, **Adin C**, Engelman ZJ, Fudim M. Increasing Blood Pressure by Greater Splanchnic Nerve Stimulation: a Feasibility Study. J Cardiovasc Transl Res. 2019, Nov 5. [Epub ahead of print] PubMed PMID:31691154.
3. Luckring EJ, Parker PD, Hani H, Grace MH, Lila MA, Pierce JG, **Adin CA\***. In Vitro Evaluation of a Novel Synthetic Bilirubin Analog as an Antioxidant and Cytoprotective Agent for Pancreatic Islet Transplantation. Cell Transplant. 2020 Jan-Dec;29:963689720906417.
4. Adin DB\*, Royal KD, **Adin CA**. Cross-Sectional Assessment of the Emotional Intelligence of Fourth-Year Veterinary Students and Veterinary House Officers in a Teaching Hospital. J Vet Med Educ. 2020 Apr;47(2):193-201.
5. **Adin C**\*, Royal K, Roe S, Mathews K, Risselada M, Scharf V. Comparison of still image quality between traditional 35 mm digital and GoPro cameras in a surgical setting. *J Vis Commun Med*. 2019 Jun 11:1-6.
6. Adin DB\*, Royal KD, **Adin CA**. Cross-Sectional Assessment of the Emotional Intelligence of Fourth-Year Veterinary Students and Veterinary House Officers in a Teaching Hospital. *J Vet Med Educ*. 2019 Jun 13:1-9.
7. Jones S, **Adin C**, Thompson E, Robertson I, Rivas R. Computed Tomography for the Diagnosis and Characterization of Dermoid Sinuses in Two Dogs. *J Am Anim Hosp Assoc*. 2019 Jul/Aug;55(4):e55403
8. **Adin CA\*,** Moga JL, Keene BW, Fogle CA, Hopkinson HR, Weyhrauch CA, Marks SL, Ruderman RJ, Rosoff PM. Clinical ethics consultation in a tertiary care veterinary teaching hospital. *J Am Vet Med Assoc*. 2019 Jan 1;254(1):52-60.
9. **Adin CA\***, Royal K, Jacobs M. Use of a Wearable, Waterproof HD Video Camera for Improved Capture of Teaching Material in a Surgical Training Program. *Vet Surg.* 2018;47(5):672-677.
10. Thompson E, Sollinger J, Opara E, **Adin C\*.** Selective Osmotic Shock for Pancreatic Islet Isolation in the Canine Pancreas. *Cell Transplant*. 2018;27(3):542-550.
11. **Adin CA\*,** Fogle CA, Marks SL. Duty hours restriction for our surgical trainees: An ethical obligation or a bad idea? *Vet Surg*. 2018 Apr;47(3):327-332.
12. Rosoff PM, Moga J, Keene B, **Adin C**, Fogle C, Ruderman R, Hopkinso H, Weyhrauch C. Resolving Ethical Dilemmas in a Tertiary Care Veterinary Specialty Hospital: Adaptation of the Human Clinical Consultation Committee Model. *Am J Bioeth*. 2018 Feb;18(2):41-53.
13. Rosoff PM\*, Ruderman R, Moga J, Keene B, **Adin C**, Fogle C, Hopkinson H, Weyhrauch C. Response to Open Peer Commentaries on "Resolving Ethical Dilemmas in a Tertiary Care Veterinary Specialty Hospital: Adaptation of the Human Clinical Consultation Committee Model". *Am J Bioeth*. 2018 Feb;18(2):W7-W10.
14. Crivellenti LZ, Cianciolo R, Wittum T, Lees GE, **Adin CA**\*. Associations of patient characteristics, disease stage, and biopsy technique with the diagnostic quality of core needle renal biopsy specimens from dogs with suspected kidney disease. *J Am Vet Med Assoc*. 2018 Jan 1;252(1):67-74.
15. **Adin C\***, Gilor C. The Diabetic Dog as Translational Model for Human Islet Transplantation. *Yale Journal of Biology and Medicine*. 2017 Sep 25;90(3):509-515.
16. Fullagar B, Rao W, Gilor C, Xu F, He X, **Adin CA\***. Nano-Encapsulation of Bilirubin in Pluronic F127-Chitosan Improves Uptake in β Cells and Increases Islet Viability and Function after Hypoxic Stress. *Cell Transplant*. 2017 Oct;26(10):1703-1715
17. Ricardo Huppes R, Crivellenti LZ, Barboza De Nardi A, Roque Lima B, Alves Cintra C, Luiz Costa Castro J, **Adin CA\*.** Radical Cystectomy and Cutaneous Ureterostomy in 4 Dogs with Trigonal Transitional Cell Carcinoma: Description of Technique and Case Series. *Vet Surg*. 2017 Jan;46(1):111-119.
18. Yang K, **Adin C**, Shen Q, Lee LJ, Yu L, Fadda P, Samogyi A, Ham K, Xu L, Gilor C, Ziouzenkova O. Aldehyde dehydrogenase 1 a1 regulates energy metabolism in adipocytes from different species. *Xenotransplantation*. 2017 Sep;24(5).
19. **Adin CA\***, VanGundy ZC, Papenfuss TL, Xu F, Ghanem M, Lakey J, Hadley GA. Physiologic Doses of Bilirubin Contribute to Tolerance of Islet Transplants by Suppressing the Innate Immune Response. *Cell Transplant*. 2017 Jan 24;26(1):11-21. **\*Featured as Cover Illustration for this issue**
20. Crivellenti LZ, Silva GE, Borin-Crivellenti S, Cianciolo R, **Adin CA**, Dantas M, Dos Anjos DS, Tinucci-Costa M, Santana AE. Prevalence of Glomerulopathies in Canine Mammary Carcinoma. *PLoS One*. 2016 Oct 20;11(10):e0164479.
21. Luckring EJ, Ham K, **Adin CA**, McLoughlin MA, Stull JW. Laparoscopic placement and urodynamic effects of an artificial urethral sphincter in cadaveric dogs. *Vet Surg*. 2016 Nov;45(S1):O20-O27.
22. Bertran J, Wavreille VA, Ham KL, McLoughlin MA, **Adin CA\***. Suture-Free Ureterovesical Anastomosis Using a Microvascular Anastomosis System: Canine Cadaveric Study. *Vet Surg*. 2015 Aug;44(6):731-6.
23. Hall MJ, **Adin CA**, Borin-Crivellenti S, Rudinsky AJ, Rajala-Schultz P, Lakritz J, Gilor C. Pharmacokinetics and pharmacodynamics of the glucagon-like peptide-1 analog liraglutide in healthy cats. *Domest Anim Endocrinol*. 2015 Apr;51:114-21.
24. Rudinsky AJ, **Adin CA**, Borin-Crivellenti S, Rajala-Schultz P, Hall MJ, Gilor C. Pharmacology of the glucagon-like peptide-1 analog exenatide extended-release in healthy cats*. Domest Anim Endocrinol. 2015 Apr;51:78-85.*
25. Barrie ES, Lodder M, Weinreb PH, Buss J, Rajab A, **Adin C**, Mi QS, Hadley GA. Role of ITGAE in the development of autoimmune diabetes in non-obese diabetic mice. *J Endocrinol*. 2015 Mar;224(3):235-43.
26. Vrabelova D, **Adin C\*,** Gilor C, Rajab A. Pancreatic islet transplantation: from dogs to humans and back again. *Vet Surg*. 2014 Aug;43(6):631-41.
27. Wavreille V, **Adin CA\***, Arango J, Ham KL, Byron JK, McLoughlin MA. Suture-free technique for canine ureteral resection-anastomosis using a microvascular anastomotic system: a cadaveric study*. Vet Surg*. 2015 Jan;44(1):17-22.
28. Ben-Amotz R, Bonagura J, Velayutham M, Hamlin R, Burns P, **Adin C\*.** Intraperitoneal bilirubin administration decreases infarct area in a rat coronary ischemia/reperfusion model. *Front Physiol.* 2014;5:53, 1-9.
29. Vrabelova D, Adin CA, Kenzig A, Gilor C, Xu F, Buss JL, Rajab A. Evaluation of a high-yield technique for pancreatic islet isolation from deceased canine donors. *Domest Anim Endocrinol*. 2014 Apr;47:119-26.
30. Sherwani SI, Aldana C, Usmani S, **Adin C**, Kotha S, Khan M, Eubank T, Scherer PE, Parinandi N, Magalang UJ\*. Intermittent hypoxia exacerbates pancreatic β-cell dysfunction in a mouse model of diabetes mellitus. *Sleep*. 2013 Dec
31. 1;36(12):1849-58.**Adin CA**. Wound Therapy, the Positives of Negative Pressure. *Veterinary Medicine*. Dec 2013, 531-532.
32. Marsh A and **Adin C\***. Tunneling under the digastricus muscle increases salivary duct exposure and completeness of excision in mandibular and sublingual sialadenectomy in dogs. *Veterinary Surgery*. 2013;42, no. 3. 238-42
33. Reeves L, **Adin C\*,** McLoughlin M, Ham K, Chew D. "Outcome after placement of an artificial urethral sphincter in 27 dogs." *Veterinary Surgery*. Vol. 42, no. 1. (Jan 2013): 12-8.
34. **Adin CA\***; Chew DJ; Heng HG; et al. Bladder inversion and secondary hematuria in a 6-month-old domestic shorthair cat. *J Am Vet Med Assoc.*  Vol. 239, no. 3. (Aug 2011): 370.
35. Ross EA, Williams MJ, Hamazaki T, Terada N, Clapp WL, **Adin C**, Ellison GW, Jorgensen M, Batich CD. Embryonic stem cells proliferate and differentiate when seeded into kidney scaffolds. *J Am Soc Nephrol.* 2009 Nov;20(11):2338-47.
36. Rose S, **Adin CA\*,** Ellison GW. Long-Term Efficacy of a Percutaneously Adjustable Hydraulic Urethral

Sphincter for Treatment of Urinary Incontinence in Dogs. *Veterinary Surgery*. Vol. 38, no. 6. (Aug 2009): 747-

753.

1. Barabas K; Milner R; Farese J; **Adin C\***. Hyperbilirubinemia's protective effect against cisplatin nephrotoxicity in the Gunn rat. *Anti-Cancer Drugs*. Vol. 19, no. 5. (Jun 2008): 495.
2. Barabas K; Milner R; Lurie D; **Adin CA\***. Cisplatin: a review of toxicities and therapeutic applications. *Veterinary*

*and Comparative Oncology*. Vol. 6, no. 1. (Mar 2008): 1.

1. Han KH; Kim HY; Croker BP; Reungjui S; Lee SY; Kim J; Handgloten ME; **Adin CA**, Weiner ID. Effects of ischemia-reperfusion injury on renal ammonia metabolism and the collecting duct. *Am J Physiol: Renal Physiol.* Vol. 293, no. 4. (Oct 2007): F1342.
2. Kirkby K; Baylis C; Agarwal A; Croker B; Archer L; **Adin C\***. "Intravenous bilirubin provides incomplete protection against renal ischemia-reperfusion injury in vivo." *Am J Physiol: Renal Physiol*. Vol. 292, no. 2. (Feb 2007): F888.
3. Krotscheck U; **Adin CA\***; Hunt GB; et al. Epidemiologic factors associated with the anatomic location of intrahepatic portosystemic shunts in dogs. *Veterinary Surgery* Vol. 36, no. 1. (Jan 2007): 31.
4. **Adin C\***, Sereda CW Thompson MS; et al. Outcome associated with use of a percutaneously controlled hydraulic occluder for treatment of dogs with intrahepatic portosystemic shunts. *J Am Vet Med Assoc* Vol. 229, no. 11. (Dec 2006): 1749-1755.
5. Sereda CW, **Adin CA\***, Batich CD; et al. Evaluation of manufacturing variability, diffusion of filling solutions, and long-term maintenance of occlusion in silicone hydraulic occluders. *Am J Vet Res* Vol. 67, no. 8. (Aug 2006): 1453-1458.
6. Hildreth,B,E; Ellison,G,W; Roberts,J,F; **Adin CA**, et al. Biomechanical and histologic comparison of single-layer continuous Cushing and simple continuous appositional cystotomy closure by use of poliglecaprone 25 in rats with experimentally induced inflammation of the urinary bladder." *Am J Vet Res* Vol. 67, no. 4. (Apr 2006): 686-692.
7. Crosse PA, Soares K, Wheeler JL, Kooke KL, **Adin CA**, et al. Chromobacterium violaceum infection in two dogs. *J Am Anim Hosp Assoc*. Vol. 42, no. 2. (Mar 2006): 154-159.
8. Kirkby KA; **Adin CA\***. Products of heme oxygenase and their potential therapeutic applications. *Am J Physiol: Renal Physiol*. Vol. 290, no. 3. (Mar 2006): F563.
9. **Adin CA\***. Canine renal transplantation: the next steps. *Veterinary Surgery* Vol. 35, no. 2. (Feb 2006): 103.
10. Mehl ML; Kyles AE; Hardie EM; Kass PH; **Adin CA**, et al. Evaluation of ameroid ring constrictors for treatment for single extrahepatic portosystemic shunts in dogs: 168 cases (1995-2001). *J Am Vet Med Assoc*  Vol. 226, no. 12. (Jun 2005): 2020-2030.
11. **Adin CA\***; Croker BP; Agarwal A. Protective effects of exogenous bilirubin on ischemia-reperfusion injury in the isolated, perfused rat kidney. *Am J Physiol: Renal Physiol.* Vol. 288, no. 4. (Apr 2005): F778.
12. Kyles AE; Hardie EM; Wooden BG; **Adin CA**; et al. Clinical, clinicopathologic, radiographic, and ultrasonographic abnormalities in cats with ureteral calculi: 163 cases (1984-2002). *J Am Vet Med Assoc*. Vol. 226, no. 6. (Mar 2005): 932.
13. Kyles AE; Hardie EM; Wooden BG; **Adin CA**; et al. Management and outcome of cats with ureteral calculi: 153 cases (1984-2002). *J Am Vet Med Assoc.* Vol. 226, no. 6. (Mar 2005): 937.
14. Royals SR; Ellison GW; **Adin CA**; et al. "Use of an ultrasonically activated scalpel for splenectomy in 10 dogs with naturally occurring splenic disease." *Vet Surg.* Vol. 34, no. 2. (Mar 2005): 174.
15. Sereda CW; **Adin CA\***. Methods of gradual vascular occlusion and their applications in treatment of congenital portosystemic shunts in dogs: a review. *Vet Surg.* Vol. 34, no. 1. (Jan 2005): 83.
16. Sereda CW; **Adin CA\***; Ginn PE; et al. Evaluation of a percutaneously controlled hydraulic occluder in a rat model of gradual venous occlusion. *Vet Surg*: Vol. 34, no. 1. (Jan 2005): 35.
17. Kyles AE; Gregory CR; **Adin CA**. Re-evaluation of a portocaval venograft without an ameroid constrictor as a method for controlling portal hypertension after occlusion of intrahepatic portocaval shunts in dogs. *Vet Surg.* Vol. 33, no. 6. (Nov 2004): 691.
18. Brdecka DJ; **Adin CA\***; Boudreaux MK; et al. Successful ovariectomy in a dog with Glanzmann thrombasthenia. *J Am Vet Med Assoc*. Vol. 224, no. 11. (Jun 2004): 1796. (1.43) Citation Count: 1.
19. **Adin CA\***; Farese JP; Cross AR; et al. Urodynamic effects of a percutaneously controlled static hydraulic urethral sphincter in canine cadavers. *Am J Vet Res*. Vol. 65, no. 3. (Mar 2004):283.
20. **Adin CA\***; Gregory CR; Kyles AE; et al. Effect of petrolatum coating on the rate of occlusion of ameroid constrictors in the peritoneal cavity. *Vet Surg*. Vol. 33, no. 1. (Jan 2004): 11-16.
21. Freeman CB; **Adin CA\***; Lewis DD; et al. Intrapelvic granuloma formation six years after total hip arthroplasty in a dog. *J Am Vet Med Assoc*. Vol. 223, no. 10. (Nov 2003): 1446.
22. **Adin CA\***; Herrgesell EJ; Nyland TG; et al. Antegrade pyelography for suspected ureteral obstruction in cats: 11 cases (1995-2001). *J Am Vet Med Assoc.* Vol. 222, no. 11. (Jun 2003):1576.
23. **Adin CA\***. Screening criteria for feline renal transplant recipients and donors. *Clinical Techniques In Small*

*Animal Practice*. Vol. 17, no. 4. (Nov 2002): 184.

1. **Adin CA\***; Gregory CR; Adin DB; et al. Evaluation of three peripheral arteriovenous fistulas for hemodialysis access in dogs. *Vet Surg*. Vol. 31, no. 5. (Sep 2002): 405-411.
2. **Adin CA\***; Gregory CR; Kyles AE; et al. Diagnostic predictors of complications and survival after renal transplantation in cats. *Veterinary Surgery.* Vol. 30, no. 6. (Nov 2001): 515
3. Kyles AE; Gregory CR; Jackson J; Ilkiw JE; Pascoe PJ; **Adin C**; et al. Evaluation of a portocaval venograft and ameroid ring for the occlusion of intrahepatic portocaval shunts in dogs. *Vet Surg*. Vol. 30, no. 2. (Mar 2001): 161-169.
4. **Adin CA\***; Cowgill LD. "Treatment and outcome of dogs with leptospirosis: 36 cases (1990-1998)." *J Am Vet Med Assoc*. Vol. 216, no. 3. (Feb 2000): 371.

**SCIENTIFIC ABSTRACTS**

1. **Adin CA**, Fogle CA, Marks SL. Regulation of duty hours in post-DVM trainees: balancing patient care, education and well-being. Poster Presentation, AAVMC meeting, Washington DC, March, 2018.
2. Fullagar B, Rao W, He X, Gilor C, Xu F, **Adin C**. Nano-encapsulated bilirubin protects murine pancreatic islet cells exposed to hypoxic stress. Abstract, ACVS Resident competition, oral presentation. (October, 2015)
3. Crivellenti L, Silva G, Borin Crivellenti S, Dantas M, **Adin C**, Cianciolo R, Santane A. Glomerulopathies in Dogs with Ehrlichiosis: Preliminary Results. World Small Animal Veterinary Association Congress, Bangkok, Thailand, May 2015.
4. Hall MJ, **Adin CA**, Borin-Crivellenti S, Rudinsky AJ, Rajala-Schultz P, Lakritz J, Gilor C. Pharmacokinetics and pharmacodynamics of the glucagon-like peptide-1 analog liraglutide in healthy cats. ACVIM Forum, 2014.
5. Rudinsky AJ, **Adin CA**, Borin-Crivellenti S, Rajala-Schultz P, Hall MJ, Gilor C. Pharmacology of the glucagon-like peptide-1 analog exenatide extended-release in healthy cats*.* ACVIM Forum 2014.
6. Bertran J, Wavreille VA, Ham KL, McLoughlin MA, **Adin CA**. Suture-Free Ureterovesical Anastomosis Using a Microvascular Anastomosis System: Canine Cadaveric Study. Abstract, ACVS Resident competition, oral presentation
7. Fertal K, Xu F, Ilangovan G, Velayutham M, **Adin CA**. "Effect of Heat Shock Protein Expression on Pancreatic Islet Survival and Function". Merial NIH Veterinary Scholars Symposium Proceedings. East Lansing: Merial NIH Summer Research Symposium. ( 2013 )
8. Gogluizza B, Xu F, Ma J, Lee LJ, Hadley G, **Adin CA**. "Evaluation of humoral and cellular immunoisolation by dual nanoporous encapsulation of murine islets, in vitro". Merial NIH Veterinary Scholars Symposium Proceedings. East Lansing: Merial NIH Summer Research Symposium. ( 2013 )
9. **Adin CA**, He H, Lee LJ,Nesser V, Xu F, Gilor C, Rajab A, and Hadley G. "Dual Nanoporous Encapsulation and Local Exenatide Delivery Improves Islet Viability". American Journal of Transplantation: ATC Abstract Spplement. Washington: American Transplant Congress. ( 2013 )
10. Vrabelova D, **Adin CA**, Kenzig A, Gilor C, Xu F, Buss J, Rajab A. "Evaluation of a High Yield Technique for Pancreatic Islet Isolation from Deceased Canine Donors". Proceedings, American College of Veterinary Internal Medicine Forum. Lakewood: ACVIM. ( 2013 )
11. Valerie Nesser, Hongyan He, L. James Lee, Feng Xu, Chen Gilor, Gregg Hadley, Amer Rajab, **Christopher Adin.** "Dual Nanoporous Encapsulation and Local Drug Delivery for Pancreatic Islet Cell Transplantation". Proceedings, Great Lakes Transplant Immunology Forum. Madison: Great Lakes Transplant Immunology Forum. ( 2012 )
12. Valerie Nesser, Hongyan He, L. James Lee, Feng Xu, Chen Gilor, Gregg Hadley, Amer Rajab, **Christopher Adin.** "Dual Nanoporous Encapsulation and Local Drug Delivery for Pancreatic Islet Cell Transplantation". Proceedings, Merial NIH Summer Research Symposium. Fort Collins: Merial NIH Summer Research Symposium. ( 2012 )
13. **Adin CA**, Oglesbee M, Papenfuss T, Hai T, London C, Zmuda E, Bobek D, Moffatt-Bruce S, Xu F, Hadley G. "Bilirubin, a powerful antioxidant, prevents islet cell death, apoptosis, and damage associate molecular pattern (DAMP) release in models of hypoxia and cytokine-induced islet stress". Proceedings, 3rd Annual CCTS Scientific Meeting. Columbus: Center for Clinical and Translational Sciences. ( 2012 )
14. **Adin CA**, Oglesbee M, Papenfuss T, Hai T, London C, Zmuda E, Bobek D, Moffatt-Bruce S, Xu F, Hadley G. "Bilirubin, a powerful antioxidant, prevents islet cell death, apoptosis, and damage associate molecular pattern (DAMP) release in models of hypoxia and cytokine-induced islet stress". Proceedings, 5th Annual Translational to Clinical (T2C) Regenerative Medicine Wound Care Conference. Columbus: Center for Regenerative Medicine and Cell Based Therapy. ( 2012 )
15. Brooks A, **Adin CA,** Ham K. "Comparison of a Traditional Fluid Warming Method for Peritoneal Lavage to an On- Demand Fluid Warming System". Proceedings, CVM Research Day. Columbus: The Ohio State College of Veterinary Medicine. ( 2012 )
16. Ben Amotz R, Bonagura J, Hamlin R, **Adin C.** "Effects of Bilirubin on Infarct Area and Left Ventricular Function in a Rat Model of Acute Coronary Occlusion". *Veterinary Surgery*. Chicago: Veterinary Surgery. ( 2011 )
17. Reeves L, **Adin C**, McLoughlin M, Ham K, and Chew D. "Safety and Efficacy of the Artificial Urethral Sphincter in 21 Dogs with Acquired or Congenital Urinary Incontinence". Veterinary Surgery. ( 2011 )
18. **Adin CA**, Zmuda E, Hai T, Carabetta D, Gaughan A, and Hadley G. "Bilirubin Conveys Cytroprotection and Alters Cytokine Expression in Islets Subjected to Isolation and Hypoxic Stress". Proceedings, American Society of Transplantation, Annual Scientific Exchange. ( 2010 )
19. Rose S, **Adin C**, Ellison G, Sereda C, Archer L. "Long-term efficacy of a percutaneously controlled hydraulic urethral sphincter for treatment of urinary incontinence in 4 dogs". *Veterinary Surgery.* Vol. 37, ( 2008 ): E29.
20. Barabas K, Baylis C, Archer L, and **Adin C**. "Hyperbilirubinemia prevents cisplatin nephrotoxicity in the Gunn rat". Journal of the American Society of Nephrology. ( 2006 ): 328A.
21. **Adin CA**, Sereda CW, Archer L. "Use of a percutaneous hydraulic occluder in the treatment of canine intrahepatic shunts: short-term outcome in 10 dogs". Veterinary Surgery. Vol. 34, ( 2005 ): E1.
22. Kirkby KA, Baylis C, Agarwal A, Croker BP, Archer L and **Adin CA**. "Intravenous bilirubin provides incomplete protection against ischemia reperfusion injury in the rat kidney in vivo". Journal of the American Society of Nephrology. ( 2005 ):398A.
23. Krotscheck U, **Adin CA**, Hunt GB. "Epidemiological factors associated with intrahepatic portosystemic shunts in dogs". *Veterinary Surgery.* Vol. 34, ( 2005 ): E15.
24. Sereda CA, **Adin CA**, Archer L, Goldman C, Burns C. "Mechanical and physical properties of silicone hydraulic occluders". Veterinary Surgery. Vol. 34, ( 2005 ): E23.
25. **Adin CA**, Croker BP, Agarwal A. "Protective effects of bilirubin on ischemia reperfusion injury in the isolated perfused rat kidney". Journal of the American Society of Nephrology. ( 2004 ): 260A.
26. Sereda C, **Adin CA**, Ginn P, Farese JP. "Evaluation of a percutaneously controlled hydraulic occluder in a rat model of gradual venous occlusion". *Veterinary Surgery*. Vol. 33, ( 2004 ): E20. ( Published )
27. **Adin CA**, Farese J, Cross A, Provitola M, Jankunas H, Davidson J. "Evaluation of a percutaneously adjustable artificial urethral sphincter in a canine cadaver model". Veterinary Surgery. Vol. 32, (2003): 479.
28. Kyles AE, Wooden BG, Hardie EM, **Adin CA**, Stone EA, Gregory CR, Cowgill LD, Ling GV.. "Feline ureterolithiasis in 164 cats (1987-2002)". *Veterinary Surgery.* Vol. 32, ( 2003 ): 489.
29. Mehl ML, Kyles AE, Adin CA, Kass P, Gregory CR. "Evaluation of ameroid constrictors for extrahepatic portosystemic shunts in 111 dogs (1996-2001)". *Veterinary Surgery*. Vol. 31, ( 2002 ): 490.
30. **Adin CA,** Gregory CR, Griffey S, Kyles AE. "Petrolatum coated ameroid rings for progressive vascular occlusion". *Veterinary Surgery*. Vol. 30, ( 2001 ): 487.
31. **Adin CA,** Gregory CR, Adin DB, Cowgill LD, Kyles AE, Perez R. "Evaluation of three peripheral arteriovenous fistulas for chronic vascular access". *Veterinary Surgery*. Vol. 29, ( 2000 ): 456.
32. **Adin CA**, Gregory CR, Cowgill LD, Kyles AE.. "Diagnostic predictors of complications and survival following renal transplantation in cats". *Veterinary Surgery*. Vol. 29, ( 2000 ): 456.
33. Adin DB. Thomas WP, **Adin CA**, Kass PH. "Echocardiographic evaluation of cats with chronic renal failure". *Journal of Veterinary Internal Medicine.* Vol. 13, ( 2000 ): 337A.
34. Schulz KS, **Adin CA**, Jackson J, Montavon P. "Clinical application of acetabular augmentation in four canine total hip replacements". *Veterinary Surgery.* Vol. 29, ( 2000 ): 483.

**CHAPTERS IN EDITED BOOKS**

1. Adin CA and Nelson R. Adrenal, in eds Tobias and Johnston, Surgery, Small Animal. Elsevier, 2nd Edition, 2017.
2. Adin CA. Vagina and Vestibule, in eds Tobias and Johnston, Surgery, Small Animal. Elsevier, 2nd Edition, 2017.
3. Guillamin JG and Adin CA. Post-thoracotomy management. In eds Silverstein and Hopper. *Small Animal Critical Care.* Elsevier, 2015.
4. Adin DB and Adin CA. Vascular Ring Anomalies. In ed. Cote. Clinical Veterinary Advisor. 3rd Edition. Elsevier. 2015.
5. Adin CA. "Complications of ovariohysterectomy and orchiectomy in companion animals." *The Veterinary Clinics*

*Of North America. Small Animal Practice*. Vol. 41, no. 5. (Sep 2011): 1023. (1.64)

1. Adin CA, Scansen BA. "Complications of upper urinary tract surgery in companion animals." *The Veterinary*

*Clinics Of North America. Small Animal Practice*. Vol. 41, no. 5. (Sep 2011): 869. (1.64)

1. Adin CA. "Preface: Surgical complications." *The Veterinary clinics of North America. Small animal practice*. Vol. 41, no. 5. (Sep 2011): xi-xii. (1.64)
2. Adin CA. “Mechanical Urinary Devices for Urinary Incontinence” In: *Current Veterinary Therapy XV*. Edited by

Bonagura J. Elsevier, 2013. (Published)

1. Adin CA and Nelson RW. "Adrenal Gland." In *Small Animal Surgery*. 4th ed. Edited by Tobias K. St. Louis: Saunders, Elsevier, 2011. (Published).
2. Adin CA. "Vagina, Vestibule, Vulva." In *Small Animal Surgery*. 4th ed. Edited by Tobias K. St. Louis: Saunders, Elsevier, 2011. (Published).
3. Adin CA. "Renal Transplantation." In *Nephrology and Urology of Small Animals*. 1 ed. Edited by Bartges J and

Polzin D. Ames: Blackwell Publishing, 2011. (Published).

1. Adin CA. "Update: Renal Transplantation in Dogs and Cats." In *Current Veterinary Therapy XIV*. Edited by

Bonagura J. St. Louis: Saunders, Elsevier, 2009. (Published).

1. Adin DB and Adin CA. "Vascular Ring Anomaly." In *Clinical Veterinary Advisor*. Edited by Cote E. St. Louis: Elsevier, 2007. (Published).

**EDITED BOOKS**

Adin CA, ed(s). *Veterinary Clinics of North America, Small Animal edition: Surgical Complications*. Philadelphia: Elsevier, 2011.

**EDITORSHIPS & REVIEWS**

Veterinary Surgery, Associate Editor, July 2015 - Sept 2018

Veterinary Surgery, Editorial Board, Jan 2003 - Jan 2012

American Journal of Physiology, Lung Cellular and Molecular Physiology, Ad hoc Reviewer

Free Radical Research, Ad hoc Reviewer

Veterinary Medicine, Ad hoc Reviewer

Journal of the American Veterinary Medical Association, Ad hoc Reviewer

**GRANTS / CONTRACTS**

***Funded contracts:***

3/2018-10/2018 Adin CA (PI) Non-GLP Proof-of-Concept Study: Evaluating the Safety of Efficacy of Echo-VRTM Model System, Contraline, LLC. $65,163. **Principle Investigator.**

10/2016-3/2018, Adin CA (PI) “Evaluation of a blue tooth controlled artificial urethral sphincter device in purpose bred dogs.” Precision Medical Devices. $31,104. **Principle Investigator.**

11/1/2016-5/3/2017 Adin CA (PI) “Vasintomy Study in a Canine Cadaver Model. Contraline, LLC. $40,000. **Principle Investigator.**

Nov 2014- Jan 2015 Adin CA (PI) “Clinical trial of microencapsulated juvenile porcine islet transplantation in dogs with naturally occurring diabetes mellitus”. Ethos Advisory Group. $22,500 for Phase I. **Principle Investigator.**

***Funded grants:***

May 2017- May 2018 Adin DB (PI) “Cross-sectional and Longitudinal Assessment of Emotional Intelligence of Veterinarian Interns and Residents in a Teaching Hospital” NCSU Teaching Innovations Grant. $1728. **Co-Investigator**

Jan 2017- Dec 2017 Adin C (PI) “Development of synthetic bilirubin analogues as therapeutic agents for pancreatic islet transplantation.” Research Innovation Seed Fund Award, NC State University. $12,530. **Principle investigator.**

Jan 2017- Dec. 2017 J Piedrahita (PI),” Grafting Strategies for Stem Cell Therapies.” UNC Chapel Hill subcontract, Vesta. $206, 729. **Co-investigator.**

Jan. 2016 Adin C (PI), Cheng K (CoI) Starly B (CoI). “Islet-CDC Spheroids: Regenerative Medicine to Cure Diabetes.” NCSU Comparative Medicine Institute, Functional Tissue Engineering Seed Grant. $10,000. **Principle Investigator.**

May 2015 C Adin (PI), K Mathews, M Risselada, S Roe, V Scharf, M James, I Robertson. “Use of a Wearable, Waterproof HD Video Camera for Improved Capture of Teaching Material in a Surgical Training Program.” NCSU Teaching Innovations Grant. $2721. **Principle Investigator**

Jan 2014 Ma, J (PI) “Targeting MG53-mediated repair of renal tubular epithelium for acute kidney injury” Clinical and Translational Sciences Longitudinal Pilot Award. $50,000 for phase I***.* Co-Principle Investigator.**

Sep 2012 Gilor, C, PI "The effect of microencapsulated thermocyte-like murine fibroblasts in canine adipose tissue" Canine Funds Grant. $31,316 (USD). **Co-Investigator**.

Nov 2012 Gilor, C, PI "The Pharmacology of Exenatide Extended-Release in Healthy Cats" ACVIM Foundation.$16,186 (USD). **Co-Investigator.**

Jan 2011 - Jan 2013 Adin C, "Protective effects of bilirubin supplementation in a canine pancreatic islet transplant model" Paladin Fund. $28,066 (USD). **Principal Investigator.**

Jun 2010 - Jun 2012 Adin CA, "KL2 Career Development Award" National Center for Research Resources, Center for Clinical and Translational Science. $200,000 (USD). **Principal Investigator**.

Jun 2009 Allen MA and Adin CA, "Strategic and Innovative Equipment Purchase Funds, Surgical Skills Training lab" Veterinary Clinical Sciences Strategic and Innovative Equipment Purchase Funds. $31,130 (USD). **Co- Principal Investigator.**

Mar 2009 Adin CA, "CTSA Mini Sabbatical in Transplantation Immunology" $9,453, **Principle Investigator**

Jan 2009 - Jan 2011 Adin CA, "Design, manufacture and testing of two silicone, injection-molded canine surgical implants" Canine Intramural Grant. $30,866 (USD). **Principal Investigator.**

Oct 2004 - Jan 2006 Adin CA, "Use of a hydraulic urethral occluder for the treatment of urinary incontinence in dogs" American Kennel Club Canine Health Foundation. $18,201 (USD). **Principal Investigator.**

Jan 2004 - Jan 2005 Adin CA, "Protective effects of exogenous bilirubin on ischemia reperfusion injury in the rat kidney" University of Florida CVM Intramural Consolidated Research and Development Grant. $7,457 (USD). **Principal Investigator.**

Jan 2003 Adin CA, "International Renal Interest Society Young Investigator Award" Novartis/International Renal Interest Society. $17,355 (USD). **Principal Investigator.**

Jan 2003 - Jan 2006 Adin CA, "Evaluation of a percutaneously controlled hydraulic occluder for gradual occlusion of intrahepatic portosystemic shunts" Morris Animal Foundation. $34,822 (USD). **Principal Investigator.**

Jan 2002 - Jan 2003 Adin CA and Sereda CW, "Evaluation of a percutaneously controlled hydraulic occluder in a rat model of gradual venous occlusion." Mark Bloomberg Memorial Scholarship Fund. $2,000 (USD). **Principal Investigator.**

Jan 2002 - Jan 2003 Adin CA, "Effect of bilirubin on ischemia reperfusion injury in the isolated perfused kidney" University of Florida CVM Consolidated Research and Development Grant. $7,318 (USD). **Principal Investigator.**

Jan 2000 - Jan 2001 Adin CA and Gregory CR, "Petrolatum coated ameroid constrictors for progressive vascular occlusion" UC Davis, Center for Companion Animal Health. $3,870 (USD). **Co-Principal Investigator.**

Jan 1999 - Jan 2000 Adin CA and Gregory CR, "Evaluation of 3 peripheral arteriovenous fistulas for hemodialysis access in dogs" UC Davis, Center for Companion Animal Health. $8,089 (USD). **Co-Principal Investigator.**

***Grants submitted but not funded:***

C. Adin (PI), K Lunn (CoI). Clinical trial of microencapsulated porcine islet xeno-transplantation in dogs and cats with diabetes mellitus. Sanatio, LLC. $62,638. Submitted 11/2016. Company in negotiation with University. **Primary Investigator**

C. Adin (PI), K Lunn (CoI). Clinical Trial of Biliary Tree Stem Cells in Dogs with Diabetes Mellitus, $109,186 Submitted 12/2016. Company considering funding for 2018. **Primary Investigator**

C. Adin (PI) K Cheng, B Starly (CoI). “Fabrication of Islet-Cardiosphere Derived Cell (Islet-CDC) Spheroids to Improve Outcomes in Islet Transplantation.” NCSU CVM Intramural Grant. Submitted April 2015, **Primary Investigator**

C. Adin (PI) K Cheng, B Starly (CoI). “Fabrication of Islet-Cardiosphere Derived Cell (Islet-CDC) Spheroids to Improve Outcomes in Islet Transplantation.” NCSU Research Innovation Seed Fund Grant. Submitted Sept. 2015, **Primary Investigator**

C. Adin (PI) E Thompson (Resident) “Selective Osmotic Shock for Canine Islet Isolation.” NCSU Firestone Grant. Submitted Nov. 2015, **Primary Investigator**

Gilor, C, PI "The pharmacology of subcutaneously-injected liraglutide: a novel treatment of feline diabetes and obesity" Winn Feline Foundation. $24,050 (USD). **Co-Investigator.**

Adin, CA, "Dual Nanoporous Islet Encapsulation With Local Drug Delivery for Pancreatic Islet" Center for Clinical and Translational Science, CRMCBT. $47,033 (USD). **Principal Investigator.**

Adin CA and Hadley GA, "Role of Ischemia Reperfusion Injury in CD103 Dependent Tubular Injury" American Society of Transplantation. $40,000 (USD). **Principal Investigator.**

Adin CA, "Prospective evaluation of an artificial urethral sphincter in dogs with urinary incontinence and ectopic ureter" American Kennel Club. $38,000 (USD). **Principal Investigator.**

Rajab A, Hadley G, "Impact of exenatide on the development of tolerance to islet allografts in NHP" National Institutes of Health, U-01. $1,953,208 (USD). **Co-Investigator.**

Johnson J, Allen M, "Synthetic nanofiber tracheal implant" National Science Foundation/SBIR. $49,995 (USD). **Co-Investigator.**

**INVENTIONS AND PATENTS**

1. NCSU Invention Disclosure #16197, OSU Artificial Urethral Sphincter: Implantable Device for Females, Adin-Peters, AUS IR #1, March 2016

2. NCSU Invention Disclosure #16198, The OSU-AUS: a family of 3 static, adjustable artificial urethral sphincter designs and sub-components designed to be delivered through MIS for female urinary incontinence, Adin\_et al AUS IR #2. March 2016

3. Adin, CA and Lee, LJ. Co-Inventor. "Dual Nanoporous Coated Islet Encapsulation with Local Drug Delivery of Exenatide as a Method for Pancreatic Islet Transplantation (2013-077)." filed 2012, (patent pending), and Application No. US Provisional Patent Application No. 61/711,897

4. University of Florida, Adin CA. Inventor. "Devices and Methods for Achieving a Gradual Reduction in Blood Flow." Provisional patent application with University of Florida office of Technology and Licensing for use of a silicone hydraulic occluder to gradually occlude blood flow.

5. University of Florida, Adin CA. Inventor. “A percutaneously adjustable canine artificial urethral sphincter” Submitted a provisional patent application with University of Florida office of Technology and Licensing for a novel silicone device used to produce adjustable occlusion of the urethra in dogs with urinary incontinence.

**TEACHING NARRATIVE:**

I have been fortunate to be actively involved in veterinary student education at 3 top veterinary schools since entering academia in 2001: the University of Florida (2001-2006), The Ohio State University (2008-2015) and North Carolina State University (2015-present). As a soft tissue surgeon, I have been particularly engaged in experiential learning, low fidelity models, cadaver exercises and live animal surgeries to teach essential skills to veterinary trainees. For all but the first year of my 15 years in a faculty position, I have served as the team leader for one of the two core surgical courses at that institution and, by my estimation, have directly trained over 1500 veterinary students in basic surgical skills over thousands of hours of laboratory teaching. After receiving specific training in healthcare communications in 2009, I have become increasingly involved in teaching these communication skills to professional students, residents and interns. This effort has culminated in my leading unique courses at both Ohio State and NC State that prepared house officers for the end of life discussions, conflicts, and medical errors that they will face during their practice careers. My concurrent role as a practicing surgeon has allowed me to see those same students and residents through their clinical rotations in soft tissue surgery, allowing me to see how we can use the clinical experience to build on the fundamental skills. This breadth of experience in didactic, laboratory and experiential learning has given me insight into the challenges that we face in providing practical and engaging educational experiences for our students while still caring for our patients at the highest standard of care. I am also acutely aware of the difficulties in providing meaningful assessments of student performance in didactic, laboratory and especially, the clinical learning environments.

**UNDERGRADUATE / GRADUATE / PROFESSIONAL COURSES TAUGHT**

**Current annual teaching summary at NCSU (since Jan 2015):**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Period****Offered** | **Course Number and Title (Credit****Hours)** | **Enrollment** | **Taught, Role** | **Stdnt. Eval.** | **Peer****Eval.** | **Team leader** | **Instr. Method** |
| Fall | VMC 932 Introduction to Surgery, Core (Lecture and lab course in basic surgery, culminating in spay/neuter labs) | 100 | 3 hours lecture, 10 x 4 hour labs (total 40 hours lab).**\*Co-coordinator 2015-16 and 2016-2017** | Yes | Yes | Yes | Didactic |
| Spring | VCS 957 Surgical Principles(Spay/neuter lab course, a continuation of VMC 932) | 100 | 2 x 4 hours lab  | No | No | No | Didactic |
| Spring | VMC 956 Veterinary Core Communications (Didactic lectures Communications exercises using simulated clients) | 100 | Lead 2 hour session on Medical Errors and Conflict.2 x 2 hours lab | No | No | No | Didactic and Small Group |
| Fall/spring  | VMC 973G Clinical Rotation in SA Soft Tissue Surgery | 100 | 19 weeks/year | Yes | No | No | Clinical |
| Spring  | VMC 965 Advanced Surgery(Core laboratory course, 100% experiential learning using models, cadavers and live animals)  | 100 | 12 x 4 hours lab (total 48 hours lab)**\*Co-coordinator, 2016-present** | Yes | No | Yes | Didactic and lab |

**List of previous courses taught at Ohio State and University of Florida:**

***Introduction to Surgery***. The Ohio State University, Veterinary Clinical Sciences. Aug 2014 (Fall Semesters) (Professional). 40%. Team leader. 6 hours lecture, 50 hours lab

***Operative Practice***. The Ohio State University, Veterinary Clinical Sciences. Oct 2014 (Fall Semesters) (Professional). 10%. 3 hours lecture, 15 hours lab

***Clinical Microbiology and Pharmacology of Antimicrobial agents.*** The Ohio State University, Veterinary

Clinical Sciences. Aug 2014 (Fall Semesters) (Professional). 5%. 1 hour lecture

***Small Animal Surgery (Soft Tissue).*** The Ohio State University, Veterinary Clinical Sciences. Jan 2014 (All

Quarters) (Professional). 25%. 12 weeks of clinical teaching.

***Introduction to Surgery.*** The Ohio State University, Veterinary Clinical Sciences. Aug 2014 (Fall Semesters) (Professional). 40%. Team leader. 6 hours lecture, 50 hours lab

***Veterinary Core Communications.*** The Ohio State University, Veterinary Clinical Sciences. Jun 2014 (Summer

Quarters) (Graduate). 30%. 4 hours lecture/discussion

***Professional Development 4, Communications.*** The Ohio State University, Veterinary Clinical Sciences. Mar

2014 (Spring Quarters) (Professional). 10%. 2 hours lecture, 4 hours lab

***Operative Practice.*** The Ohio State University, Veterinary Clinical Sciences. Jan 2014 (Winter Quarters) (Professional). 5%. 15 hours laboratory (live spay/neuter)

***Introduction to Surgery***. The Ohio State University, Veterinary Clinical Sciences. Aug 2013 (Fall Semesters) (Professional). 40%. Team leader. 6 hours lecture, 50 hours lab

***Operative Practice***. The Ohio State University, Veterinary Clinical Sciences. Oct 2013 (Fall Semesters) (Professional). 10%. 3 hours lecture, 15 hours lab

***Clinical Microbiology and Pharmacology of Antimicrobial agents.*** The Ohio State University, Veterinary

Clinical Sciences. Aug 2013 (Fall Semesters) (Professional). 5%. 1 hour lecture

***Small Animal Surgery (Soft Tissue).*** The Ohio State University, Veterinary Clinical Sciences. Jan 2013 (All

Quarters Quarters) (Professional). 25%. 12 weeks of clinical teaching.

***Introduction to Surgery.*** The Ohio State University, Veterinary Clinical Sciences. Aug 2013 (Fall Semesters) (Professional). 40%. Team leader. 6 hours lecture, 50 hours lab

***Veterinary Core Communications.*** The Ohio State University, Veterinary Clinical Sciences. Jun 2013 (Summer

Quarters) (Graduate). 30%. 4 hours lecture/discussion

***Professional Development 4, Communications.*** The Ohio State University, Veterinary Clinical Sciences. Mar

2013 (Spring Quarters) (Professional). 10%. 2 hours lecture, 4 hours lab

***Operative Practice.*** The Ohio State University, Veterinary Clinical Sciences. Jan 2013 (Winter Quarters) (Professional). 5%. 15 hours laboratory (live spay/neuter)

***Introduction to Surgery***. The Ohio State University, Veterinary Clinical Sciences. Aug 2012 (Fall Semesters) (Professional). 40%. Team leader. 6 hours lecture, 50 hours lab

***Operative Practice***. The Ohio State University, Veterinary Clinical Sciences. Oct 2012 (Fall Semesters) (Professional). 10%. 3 hours lecture, 15 hours lab

***Advanced Veterinary Surgery: Thoracic Surgery and Respiratory Medicine.*** The Ohio State University, Veterinary Clinical Sciences. Aug 2012 (Fall Semesters) (Graduate). 7%. 3 hours lecture

***Clinical Microbiology and Pharmacology of Antimicrobial agents.*** The Ohio State University, Veterinary

Clinical Sciences. Aug 2012 (Fall Semesters) (Professional). 5%. 1 hour lecture

***Small Animal Surgery (Soft Tissue).*** The Ohio State University, Veterinary Clinical Sciences. Jan 2012 (All

Quarters Quarters) (Professional). 25%. 12 weeks of clinical teaching.

***Introduction to Surgery.*** The Ohio State University, Veterinary Clinical Sciences. Aug 2012 (Fall Semesters) (Professional). 40%. Team leader. 6 hours lecture, 50 hours lab

***Veterinary Core Communications.*** The Ohio State University, Veterinary Clinical Sciences. Jun 2012 (Summer

Quarters) (Graduate). 30%. 4 hours lecture/discussion

***Advanced GI Surgery.*** The Ohio State University, Veterinary Clinical Sciences. Mar 2012 (Spring Quarters) (Graduate). 7%. 2 hours lecture

***Professional Development 4, Communications.*** The Ohio State University, Veterinary Clinical Sciences. Mar

2012 (Spring Quarters) (Professional). 10%. 2 hours lecture, 4 hours lab

***Clinical Veterinary Therapeutics.*** The Ohio State University, Veterinary Clinical Sciences. Jan 2012 (Winter

Quarters) (Professional). 5%. Lecturer.

***Small Animal Operative Practice.*** The Ohio State University, Veterinary Clinical Sciences. Jan 2012 (Winter

Quarters) (Professional). 5%. 15 hours laboratory (live spay/neuter)

***Advanced Reconstructive Surgery.*** The Ohio State University, Veterinary Clinical Sciences. Jan 2011 (Fall

Quarters) (Graduate). 10%. Co-team leader, 2 hours lecture, 2 hours lab

***Advanced Renal, Urinary and Reproductive Surgery.*** The Ohio State University, Veterinary Clinical Sciences. Jan 2011 (Spring Quarters) (Graduate). 10%. Team leader, 2 hours of lecture

***Clinical Veterinary Therapeutics.*** The Ohio State University, Veterinary Clinical Sciences. Jan 2011 (Winter

Quarters) (Professional). 5%. 1 hour lecture

***Professional Development 4, Communications.*** The Ohio State University. Jan 2011 (Spring Quarters) (Professional). 10%. 1 hour lecture, 2 hours lab

***Elective, Small Animal Surgery.*** The Ohio State University, Veterinary Clinical Sciences. Jan 2011 (Fall

Quarters) (Professional). 15%. 6 hours of lecture

***Introduction to Surgery.*** The Ohio State University, Veterinary Clinical Sciences. Jan 2011 (Spring Quarters) (Professional). 40%. Team leader, 6 hours lecture, 12 hours lab

***Small Animal Diagnosis and Medical Techniques.*** The Ohio State University, Veterinary Clinical Sciences. Jan

2011 (Fall Quarters) (Professional). 5%. 4 hours lab

***Small Animal Operative Practice.*** The Ohio State University, Veterinary Clinical Sciences. Jan 2011 (Winter

Quarters) (Professional). 15%. 15 hours lab

***Small Animal Operative Practice.*** The Ohio State University, Veterinary Clinical Sciences. Jan 2011 (Fall

Quarters) (Professional). 15%. 15 hours lab

***Cardiovascular Surgery.*** The Ohio State University. Jan 2010 (Fall Quarters) (Graduate). 10%. 1 hour lecture and 2 hour wet laboratory on vascular surgery

***Professional Development 4, Communications.***. The Ohio State University. Jan 2010 (Spring Quarters) (Professional). 10%. 1 hour lecture

***Elective, Small Animal Surgery***. The Ohio State University. Jan 2010 (Fall Quarters) (Professional). 15%. 6 hours of lecture (5 new lectures)

***Introduction to Surgery.*** The Ohio State University. Jan 2010 (Spring Quarters) (Professional). 37%. Team

Leader, 6 hours of lecture, 12 hours of lab

***Pharmacology II Core***. The Ohio State University. Jan 2010 (Winter Quarters) (Professional). 3%. 1 hour of lecture

***Small Animal Operative Practice.*** The Ohio State University. Jan 2010 (Winter Quarters) (Professional). 21%. 1 hour lecture, 15 hours of lab

***Small Animal Operative Practice.*** The Ohio State University. Jan 2010 (Fall Quarters) (Professional). 21%. 1 hour lecture, 15 hours of lab

***Small Animal Surgery Core Rotation.*** The Ohio State University. Jan 2010 ( Quarters) (Professional). 30% ***Veterinary Core Communication Skills.*** The Ohio State University. Jan 2010 (Winter Quarters) (Professional).15%. 3 hours of lecture

***Elective, Small Animal Surgery.*** The Ohio State University. Jan 2009 (Fall Quarters) (Professional). 3%. 1 hour of lecture

***Introduction to surgery.*** The Ohio State University. Jan 2009 (Spring Quarters) (Professional). 37%. Co-team leader, 5 hours of lecture, 12 hours lab

***Pharmacology II- Core.*** The Ohio State University. Jan 2009 (Winter Quarters) (Professional). 3%. 1 hour of lecture

***SA Soft Tissue Surgery Core Rotation***. The Ohio State University. Jan 2009 ( Quarters) (Professional). 40%. 24 weeks

***Small Animal Operative Practice***. The Ohio State University. Jan 2009 (Fall Quarters) (Professional). 21%. 1 hour lecture, 15 hours of lab

***Veterinary Core Communication Skills.*** The Ohio State University. Jan 2009 (Fall Quarters) (Graduate). 15%. 3 hours lecture

***SA Soft Tissue Surgery Selective.*** The Ohio State University. Jan 2008 (Fall Quarters) (Professional). 15%. 8 weeks

***Small Animal Operative Practice.*** The Ohio State University. Jan 2008 (Winter Quarters) (Professional). 12%.

10 hours lab

***Introduction to Small Animal Surgery.*** University of Florida, Small Animal Clinical Sciences. Jan 2006 (Spring

Quarters) (Professional). 40%. Team Leader, 6 lecture hours and 40 hours of lab

***Small Animal Surgery Clerkships.*** University of Florida, Small Animal Clinical Sciences. Jan 2006 (All Quarters) (Professional). 25%. 12 weeks

***Advanced Small Animal Surgery***. University of Florida, Small Animal Clinical Sciences. Jan 2005 (Fall Quarters) (Professional). 8%. 4 hours of lecture

***Advanced Small Animal Surgery Lab***. University of Florida, Small Animal Clinical Sciences. Jan 2005 (Fall

Quarters) (Professional). 20%. 20 hours of lab

***Introduction to Small Animal Surgery.*** University of Florida, Small Animal Clinical Sciences. Jan 2005 (Spring

Quarters) (Professional). 40%. Team leader, 6 lecture hours, 40 hours of lab

***Seminars in Veterinary Medicine***. University of Florida, Small Animal Clinical Sciences. Jan 2005 (All Quarters) (Graduate). 5%. One lecture hour

***Small Animal Reproductive Medicine***. University of Florida, Small Animal Clinical Sciences. Jan 2005 (Fall

Quarters) (Professional). 15%. 2 hours of lecture

***Small Animal Surgery Clerkships***. University of Florida, Small Animal Clinical Sciences. Jan 2005 (All Quarters) (Professional). 35%. 18 weeks

***Advanced Small Animal Surgery.*** University of Florida, Small Animal Clinical Sciences. Jan 2004 (Fall Quarters) (Professional). 8%. 4 hours of lecture

***Advanced Small Animal Surgery Lab.*** University of Florida, Small Animal Clinical Sciences. Jan 2004 (Fall

Quarters) (Professional). 20%. 20 hours of lab

***Introduction to Small Animal Surgery.*** University of Florida, Small Animal Clinical Sciences. Jan 2004 (Spring

Quarters) (Professional). 40%. Team leader, 6 hours of lecture, 40 hours of lab

***Seminars in Veterinary Medicine***. University of Florida, Small Animal Clinical Sciences. Jan 2004 (All Quarters) (Graduate). 5%. 1hour of lecture

***Small Animal Reproductive Medicine***. University of Florida, Small Animal Clinical Sciences. Jan 2004 (Fall

Quarters) (Professional). 15%. 2 hours of lecture

***Small Animal Surgery Clerkships.*** University of Florida, Small Animal Clinical Sciences. Jan 2004 (All Quarters) (Professional). 40%. 20 weeks

***Advanced Small Animal Surgery.*** University of Florida, Small Animal Clinical Sciences. Jan 2003 (Fall Quarters) (Professional). 8%. 4 hours of lecture

***Advanced Small Animal Surgery Lab.*** University of Florida, Small Animal Clinical Sciences. Jan 2003 (Fall

Quarters) (Professional). 20%. 20 hours of lab

***Introduction to Small Animal Surgery.*** University of Florida, Small Animal Clinical Sciences. Jan 2003 (Spring

Quarters) (Professional). 38%. Team Leader, 5 hours of lecture and 28 hours of lab.

***Problems in Veterinary Medical Science.*** University of Florida, Small Animal Clinical Sciences. Jan 2003 (Quarters) (Graduate). 5%. 1 hour lecture

***Seminars in Veterinary Medicine.*** University of Florida, Small Animal Clinical Sciences. Jan 2003 (Quarters) (Graduate). 5%. 1 hour of lecture

***Small Animal Reproductive Medicine.*** University of Florida, Small Animal Clinical Sciences. Jan 2003 (Fall

Quarters) (Professional). 13%. 2 hours of lecture

***Small Animal Surgery Clerkships.*** University of Florida, Small Animal Clinical Sciences. Jan 2003 ( Quarters) (Professional). 40%. 22 weeks

***Advanced Small Animal Surgery***. University of Florida, Small Animal Clinical Sciences. Jan 2002 (Fall Quarters) (Professional). 6%. 3 hours of lecture

***Advanced Small Animal Surgery Lab.*** University of Florida, Small Animal Clinical Sciences. Jan 2002 (Fall

Quarters) (Professional). 20%. 20 hours of lab

***Introduction to Small Animal Surgery.*** University of Florida, Small Animal Clinical Sciences. Jan 2002 (Spring

Quarters) (Professional). 5%. 1 hour of lecture, 8 hours of lab

***Seminars in Veterinary Medicine.*** University of Florida, Small Animal Clinical Sciences. Jan 2002 (Quarters) (Graduate). 5%. 1hour of lecture

***Small Animal Surgery Clerkships.*** University of Florida, Small Animal Clinical Sciences. Jan 2002 (Quarters) (Professional). 40%. 20 weeks

***Advanced Small Animal Surgery (elective)***. University of Florida, Small Animal Clinical Sciences. Jan 2001 (Fall

Quarters) (Professional). 6%. 3 hours lecture

***Advanced Small Animal Surgery Lab***. University of Florida, Small Animal Clinical Sciences. Jan 2001 (Fall

Quarters) (Professional). 20%. 16 hours of lab

***Small Animal Surgery Clerkships.*** University of Florida, Small Animal Clinical Sciences. Jan 2001 ( All Quarters) (Professional). 14%. 8 weeks

**SERVICE ON UNIT / COLLEGE / UNIVERSITY COMMITTEES**

**NC State University:**

*Leadership and Committees:*

President, CVM Teaching Academy, 2017-present

Chair, Dept of Clinical Sciences Peer Teaching Evaluation Committee, 2015-2017

Member, University Evaluation of Teaching (EoT) Committee, 2017-present

Founding Member, Clinical Ethics Committee, Terry Center Hospital, 2016-present.

Chair, North Carolina Veterinary Medical Conference, 2019

College Research Committee, Member, 2016-present

Internal Medicine Search Committee: Chair, Fall 2015. Successful hire of Dr. Karen Tefft, DACVIM.

*Mentoring of Faculty*

Mentoring Committee Chair, Dr. Barbara Qurollo, 2015-present.

**Ohio State University:**

*Leadership and Committees:*

Small Animal Surgery, Service Head, Appointed, 2014-2015.

ACVS Residency Program Director, Small Animal Surgery Residency, Jan 2009-2015.

College Executive Committee, Elected, Member, Jan 2013-2015.

College Strategic Leadership Team, Jan 2010 - 2015.

Hospital Steering Committee, March 2014-2015.

College Council for Research, Elected Member, Jan 2009-Jan 2014.

Culture Change Council, Morale Action Group, Co-Chair, Jan 2010 - Jan 2011.

College Infectious Disease Committee, Co-Chair, Jan 2008 - Jan 2011.

College Focus Forward II, Facilitator, Jan 2011 - Jan 2011.

College, Focus Forward, Facilitator, Jan 2010 - Jan 2010.

*Mentoring of Faculty*

Mentoring Committee Chair, Dr. Chen Gilor, Jul 2012-2015.

Mentoring Committee Chair, Julien Guillaumin, Jan 2010-2015.

Mentoring Committee Member, Dr. Teresa Burns, Jul 2013-2015.

Mentoring Committee Member, Dr. Sam Hurcombe, Jan 2011-2015.

*Additional committees*

Veterinary Medical Center Expansion and Enhancement Core Advisory Committee, Appointed, Jan 2013-2015.

College Council on Education Member, Appointed, 2009-2015.

College Council on Academic Standards, Appointed, Member, 2009-2015.

Search Committee, Small Animal Internal Medicine, Appointed, Chair, October 2013.

Search Committee, Small Animal Surgery, Appointed, Chair, Jan 2010.

Search Committee, Equine Emergency and Critical Care, Appointed, Member, Jan 2010.

VCS Residency-Graduate Degree Task Force, Member, Jan 2009 – Oct. 2009.

**University of Florida:**

Curriculum Committee, Appointed Member, Jan 2004 - Jan 2006.

Research and Grants Committee, Member, Jan 2003 - Jan 2006. University of Florida,

Intensive Care Unit Committee, Appointed Member, Jan 2001 - Jan 2004.

Awards and Scholarship Committee, Appointed Member, Jan 2001 - Jan 2004.

Search Committee, Assistant Professor in Anesthesiology, Appointed Member, Jan 2005 - Jan 2005.

Search Committee, Assistant Professor in Small Animal Surgery, Appointed Member, Jan 2004 - Jan 2004.

Search Committee, Lecturer in Small Animal Surgery, Appointed Member, Jan 2004 – Jan 2004.

Search Committee, Assistant Professor in Theriogenology, Member, Jan 2003 – Jan 2003.

Search Committee, Assistant Professor in Small Animal Surgery, Member, Jan 2003 - Jan 2003.

Search Committee, Lecturer in Small Animal Surgery, Appointed Member, Jan 2003 – Jan 2003.

**SERVICE TO PROFESSIONAL SOCIETIES**

Invited External Observer, ECVS Examination Committee, 2015 and 2017.

Chair (SA), ACVS Examination Committee, 2013-14. Member 2010-2014.

Associate Editor, Veterinary Surgery Journal (ACVS), 2015-present.

Chair, Urinary Session, American College of Veterinary Surgeons Symposium, 2005, 2006, 2012, 2014

Chair, Poster Session, American College of Veterinary Surgeons Symposium, Chicago, 2007

Invited Speaker, “Resident Boot Camp”, American College of Veterinary Surgeons Symposium, 2009

Invited Speaker, American College of Veterinary Surgeons Symposium, 2005, 2007, 2009, 2010, 2012, 2014

Reviewer: Resident Competition, Scientific Abstracts, American College of Veterinary Surgeons, 2009.

Reviewer: Scientific Session, American College of Veterinary Surgeons Symposium, 2002, 2007, 2009.

Editorial Board, Veterinary Surgery Journal (ACVS), two terms, 2002-2013.

**OTHER SERVICE/MEMBERSHIP**

NC State Comparative Medicine Institute, Member, 2015-present

American College of Veterinary Surgeons, 2002-present

Society of Veterinary Nephrology and Urology, Affiliate Member, 2004-2007.

American Society of Transplantation, 2010-present

The Ohio State University, Islet Transplantation Working Group, 2009-2015.

The Ohio State University, Dorothy Davis Heart & Lung Institute, 2009- 2015.

The Ohio State Center for Regenerative Medicine and Cell Based Therapies, 2012-2015.

**SPEAKING/CONTINUING EDUCATION**

**International**

1. Vet Festival, Surrey, United Kingdom. 5 hours of CE lectures on work-life balance, ethics and soft tissue surgery, June 5-6, 2019.
2. International Congress of Veterinary Surgery, Belém, Pará, Brazil.6 hours of lecture on soft tissue surgery, November, 2018
3. Taiwan College of Veterinary Surgeons, Autumn Symposium, 4.5 hours of lecture on soft tissue surgery in two venues (Northern and Southern Taiwan). August, 2014.
4. Congresso Brasiliero Da ANCLIVEPA National Veterinary Conference, Goiania Brazil, 600 attendees, 6 hours of lectures on soft tissue surgery, April 2011
5. VII Annual Congresso Hospital Veterinario Montenegro, Oporto, Portugal, 2000 attendees, 3 hours of lecture on soft tissue surgery, Jan 2011
6. European College of Veterinary Internal Medicine Forum Plenary Session, International Renal Interest Society Award research presentation, Uppsala, Sweden, September, 2003
7. Annual Conference for Foreign Veterinarians, 1 hour lecture on Soft tissue Surgery, Davis CA, July, 2001.

**National**

1. ACVIM Forum, June 2018: Special Interest Group: Regulation of duty hours in post-dvm trainees: balancing patient care, education and well-being. C. Adin and S. Marks, Co-Chairs.
2. ACVS Symposium, Oct. 2018: Special Session “Design thinking: Work Hours and Wellness in Residency Training”. Accepted for 2 hour combined presentation and workshop session.
3. CVC Conference, May, 2017, VA Beach, VA.. Organized2 days of wet-lab and performed 1 day of lectures (6). Attendance ~150 for lectures and 20 for the all-day labs.
4. ACVIM Forum, June 2016, Denver, CO. 1 hour lecture on “Novel options for refractory urinary incontinence.” Attendance, ~200.
5. ACVS Symposium, Oct 2015, Nashville, TN. 1 hour lecture and 2 hours discussion in session “The Other Crucial Skill for Success- Communication.” Attendance: 30-40.
6. AVMA Conference, July 2015, Boston MA. Invited program coordinator for General Surgery Session. Gave 6 lectures. Attendance ~200.
7. CVC Conference, April 23-24, 2015, Washington, DC. Organized a 1 day wet-lab and performed 1 day of lectures (6). Attendance ~200 for lectures and 20 for the all-day lab.
8. Central Veterinary Conference, 6 hours lecture and 8 hours of wet lab on soft tissue surgery, San Diego, CA, Dec. 2014
9. Central Veterinary Conference, 6 hours lecture and 8 hours of wet lab on soft tissue surgery, Kansas City, MO, 2013
10. 74th Annual CSU Conference for Veterinarians, 5 hours lecture on soft tissue surgery, Fort Collins, CO, 2013
11. 113th Penn Annual Veterinary Conference, 3 hours of lecture on soft tissue surgery. Philadelphia, PA, 2013
12. American College of Veterinary Surgeons Symposium: Invited lecturer for interactive session (Oncologic Surgery: know when to walk away and know when to run), Washington, DC, November, 2012, \*Cancelled due to hurricane.
13. Midwest Veterinary Conference: Moderator of Surgery Session. Presented 3 lectures in oncologic surgery (Approach to Abdominal Cancer, Approach to Thoracic Cancer, Surgery of the Spleen), Columbus, OH, February, 2012
14. American College of Veterinary Surgeons Symposium: Invited lecturer for interactive session: Complications of urethrostomies, Chicago, 2011.
15. American College of Veterinary Surgeons Symposium: Invited lecturer Hydraulic Occluders for Urethral Sphincter Mechanism Incompetence, Washington, DC, 2009.
16. Resident Boot Camp, American College of Veterinary Surgeons Symposium, 2 hours lecture on LUT surgery, Washington, DC, 2009.
17. American College of Veterinary Surgeons Symposium: Invited lecturer, 2 sessions: Update on canine artificial urethral sphincter and Why I use Hydraulic Occluders for Attenuation of PSS. Chicago, IL, 2007.
18. North American Veterinary Conference Post Graduate Institute, 30 attendees, 3 hours lecture on urinary surgery and 6 hour wet lab on soft tissue surgery. Orlando, FL, May, 2006.
19. American College of Veterinary Surgeons Symposium: Invited lecturer: Canine artificial urethral sphincter, San Diego, CA, 2005.
20. North American Veterinary Conference Post Graduate Institute, 30 attendees, 2 hours lecture on thoracic surgery and 6 hour wet lab on soft tissue surgery. Orlando, FL, June, 2005.
21. North American Veterinary Conference Post Graduate Institute, 30 attendees, 2 hours lecture on thoracic surgery and 6 hour wet lab on soft tissue surgery. Orlando, FL, June, 2005.
22. 76th Western Veterinary Conference, 150 attendees, 6 hours lecture on soft tissue surgery, Las Vegas Nevada, Feb 16, 2004.
23. American College of Veterinary Internal Medicine Forum, Nephrology Interest Group Meeting, Advanced Therapy for Renal Disease (International Renal Interest Society Award research presentation) Charlotte, NC, May, 2003.
24. American College of Veterinary Internal Medicine Forum, 1 hour lecture: Screening Criteria for Feline Renal Transplant Recipients and Donors. Charlotte, NC, May, 2003.
25. American College of Veterinary Internal Medicine Forum, Canine Leptospirosis: A Re-emerging Disease. San Diego, CA, May, 1998.

**State**

1. CE with Veterinary Referral Hospital of Hickory, 1 hour lecture on Gastric Dilatation and Volvulus. Approximately 75 attendees. Hickory, NC, Oct, 2017
2. NCVC conference, 4 hours lecture on urogenital surgery and urinary incontinence. 100 attendees. Raleigh, NC, Nov, 2016
3. Lake Erie Walleye and Golf Weekend Veterinary Conference: Presented 1 hour lecture sponsored by KCI (The Use of Vacuum Assisted Closure in Veterinary Patients: A Revolution in Wound Care), Port Clinton, OH, May, 2012.
4. Ohio State University Oncology Conference, 30 attendees, 1 hour lecture on oncologic surgery, Columbus, OH, Sept, 2011.
5. Ohio State Alumni Reunion Weekend CE Conference, 50 attendees, 1 hour lecture on soft tissue surgery, Columbus, OH, Sept, 2011.
6. Lima Veterinary Association CE, 20 attendees, 2 hours lecture on MIS, Lima, OH, 2010.
7. Springfield Veterinary Association CE, 40 attendees, 2 hours lecture on urinary surgery, Springfield, OH, 2010.
8. Ohio State Continuing Education Meeting, 12 attendees, 3 hours of wet lab on head and neck surgery, Columbus, OH, Dec, 2009.
9. Ohio State Continuing Education Meeting, 12 attendees, 3 hours of wet lab on head and neck surgery, Columbus, OH, March, 2009.
10. Ohio State Continuing Education Lecture Series, 20 attendees, 1 hour lecture on oncologic and reconstructive surgery, Columbus, OH, January, 2009.
11. Buffalo Academy of Veterinary CE, 200 attendees, 4 hours of lecture on soft tissue surgery, Buffalo, NY, June, 2006.
12. Jacksonville Veterinary Association CE, 2 hours lecture on soft tissue surgery, Jacksonville, FL, August, 2005.
13. Florida Veterinary Medical Association Meeting, 3 hours lecture on soft tissue Surgery, Orlando FL, September 2002.

**MASTER / GRADUATE ADVISING NARRATIVE**

Mentoring of individual graduate students has been one of the most satisfying aspects of my teaching career. The intensive research experience that can be achieved in a quality graduate program has great power in shaping the career of the trainee. As such, I have striven to challenge each graduate student to stretch their goals and reach beyond the "standard" clinical research project. Each Master's degree thesis has represented coursework and collaborations that reach outside the veterinary college, resulting in new inventions, or translational research that is published in high impact, basic science journals. I also believe in aiding my graduate student's career advancement by ensuring that they complete at least two first author publications related to their thesis work and that these publications are produced in an efficient manner.

**ACADEMIC ADVISING**

 \* Indicates a graduate student that received an award for research performed in the Adin lab

**PhD Advisor:**

Mostafa Ghanem, DVM, Doctoral Student, Jan 2013-Jan 2015

 -Translational research in use of nanoporous encapsulation for xenograft islet transplantation in dogs

Leandro Crivelenti, DVM, Doctoral Student, June 2013-Jan 2013.

* Visiting PhD Student from Sao Paolo, Brazil
* Statistical analysis of renal biopsy database
* Manuscript published in *JAVMA*

**PhD Committee Member:**

Theresa Burns, Doctoral Student, DVM, DACVIM, Jun 2012-July 2013

-The Equine Metabolic Syndrome: studies on the pathophysiology of obesity, insulin resistance and laminitis in equids.

- Advisor: Jim Belknap, DVM, PhD, DACVS

**Masters of Science Advisor:**

*Ohio State:*

\*Bronwyn Fullagar, BVSc (Hons), MS, Resident in SA Surgery, Jul 2012-2015

 -nanoparticle delivery of bilirubin to pancreatic islets as a method of islet preconditioning

-Research publication in *Cell Transplantation accepted March 2017.*

*-* Won First Place Award at ACVS Resident Research Abstract Competition

**\*** Daniela Vrabelova, DVM, MS, Resident SA internal Medicine, July 2010-2013

**-** Evaluation of a high yield technique for pancreatic islet isolation from dog cadavers

**-** Research publication in *Domestic Animal Endocrinology* won Resident Publication Award at Ohio State CVM.

**-** Review publication accepted for publication in *Veterinary Surgery*

\* Ron Ben-Amotz, DVM, MS, Resident in SA Surgery, Jul 2008 - Jul 2011.

- Protective effects of bilirubin in cardiac ischemia reperfusion injury.

- Research publication in *Frontiers in Physiology*

- Won ACVS Resident Research Competition, 2nd Place Award.

*University of Florida:*

Karri Barabas, DVM, MS, Resident in SA Oncology, Jan 2005 - Jan 2007.

- Hyperbilirubinemia Protects Against Cisplatin Nephrotoxicity In the Gunn Rat

- Research publication in *Anticancer Drugs*

- Review publication in *Veterinary and Comparative Oncology*

\* Kristin Kirkby,DVM, MS, Resident in SA Surgery, Jul 2004 - Jun 2006.

- Effects of Intravenously Administered Bilirubin on Renal Ischemia Reperfusion Injury

- Presented work at American Society of Nephrology Meeting

- Research publication in *Am J Physiology, Renal Physiology* (#2 impact factor journal in nephrology)

- Review publication in *Am J Physiology, Renal Physiology* (#2 impact factor journal in nephrology)

- Went on to complete a PhD at University of Florida

- Won ACVS Resident Research Award

\* Colin Sereda, DVM, MS, Resident in SA Surgery, Jul 2003 - Jun 2005.

- Methods of Gradual Vascular Occlusion and Their Applications

- Research publication in *Am J Vet Res*

- Review publication in *Veterinary Surgery*

- Morris Animal Foundation Fellow

- Won Charles F. Simpson Memorial Scholarship Award for achievements in research

**Residents Trained: (31 total, 25 board certified, 21 graduate degrees)**

Danielle Diamond, DVM, Resident 2017-2020

David Knazovicky, DVM, Resident 2016-2019

Emilee Luckring, DVM, Resident 2016-2019

Willemijn Hoorntje, DVM, Resident 2015-2018

Anna Dunlap, DVM, DACVS

Jocelyn Blake, DVM, Resident 2014-2017

Elizabeth Thompson, DVM, DACVS

Andrea Thomas, DVM, DACVS

Meredith Kapler, DVM, DACVS

Mischa Macdonald Lynch, DVM, DACVS

Judith Bertran, DVM, MS, DACVS

Jennifer Song, DVM, MS, DACVS

Audrey Wanstrath, DVM, MS, DACVS

Vincent Wavreille, DVM, MS, DACVS

Bronwyn Fullagar, BVSc (Hons), MS, DACVS

Lauren Pugliese. DVM, MS, DACVS.

Jason Callard, DVM, MS, DACVS

Katie Townsend, DVM, MS, DACVS

Andrew Mercurio, DVM, MS, DACVS

Ron Ben Amotz, DVM, MS, DACVS

Colby Burns, DVM, MS, DACVS

Kate Fitzwater, DVM, MS, DACVS

Rebecca Ball, DVM, MS, DACVS

Dan Hoffman, DVM, MS, DACVS

Carl Jehn, DVM, MS, DACVS

Alastair Coomer, BVSc, MS, DACVS

Kristin Kirkby, DVM, PhD, DACVS

Colin Sereda, DVM, MS, DACVS

Krista Halling, DVM, MS, DACVS

Jason Wheeler, DVM, MS, DACVS

Shermann Canapp, DVM, MS, DACVS

**ADVISING STUDENT GROUPS**

The Ohio State University, Surgery Club (Academic Interest) Advisor, Aug 2010. The Ohio State University, Christian Veterinary Fellowship Co-Advisor, Nov 2009.

University of Florida, Christian Veterinary Fellowship Co-Advisor, Jan 2004 - Jan 2005.

University of Florida, Student Chapter of the AVMA Advisor, Jan 2002 – Jan 2003.

**REFERENCES**

Karen Cornell, DVM, PhD, DACVS

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