

Lorrie K. Hale Mitchell

Name: Hale Mitchell, Lorrie K.

Title: Clinical Assistant Professor

Department: Veterinary Clinical Sciences (VCS)

Appointment: 12 Month

Start Date: July 1, 2016

Address:

Home: 5668 Mahoney Rd, St. Francisville, LA, 70775

Work: Veterinary Clinical Sciences (VCS)
School of Veterinary Medicine
Louisiana State University
Baton Rouge, LA 70803-8410

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Education:

MS

Traditional Chinese Veterinary Medicine

Chi University of Chinese Medicine

4.0 GPA, Dean's List

2020

Chi Institute earned University status in September 2020. Anything earned or sponsored prior to Sept 2020 was Chi Institute of Chinese Medicine. Research emphasis on detecting phytochemical from an herbal formula in alligator plasma.

Graduate Certificate in Teaching in the Health Care Professions (GCTHCP)

Louisiana State University

4.037 GPA

2019

Certified Traditional Chinese Veterinary Medicine Practitioner (CTCVMP)

Chi Institute of Chinese Medicine

2019

There is no veterinary specialty in acupuncture and oriental medicine, therefore the highest degree of training is achieved by becoming a Certified Traditional Chinese Veterinary Medicine Practitioner. To obtain the CTCVMP, candidates must first obtain the CVA, CVFT, CVCH, and CVTP. These certifications encompass over 400 hours of lecture, 30 internship hours, 8 case reports, 10 take home exams, 2 written exams, numerous quizzes, and 2 clinical/ practical exams.

DVM
Veterinary Medicine
University of Illinois
1995

BS
Veterinary Science
University of Illinois
1993

BS
Animal Science
University of Illinois
1991

Licenses and Certifications (Active):

Certificate of completion by Hyperbaric Veterinary Institute, Feb, 2021

Certified Traditional Chinese Veterinary Medicine Palliative and End-of-Life Practitioner (CTPEP), Dec 2020.

Hyperbaric Medical Team Training for Animal Applications Certificate, February 2020.

Certified Veterinary Food Therapist (CVFT), Chi Institute of Chinese Medicine, April 2019.

Certified Veterinary Chinese Herbalist (CVCH), Chi Institute of Chinese Medicine, December 2018.

Certified Veterinary Tui-na Practitioner (CVTP), Chi Institute of Chinese Medicine, May 2017.

Controlled Substance Registration Certificate (DEA), US Dept of Justice, October 2017 – Present.

Licensed Faculty Veterinarian, State of Louisiana, September 30, 2016 – Present.

Controlled Dangerous Substance License (CDS), Louisiana Board of Pharmacy, August 2016 – Present.

Federal Emergency Management Agency, Incident Command System 100 training, August 2016.

Certified Veterinary Acupuncturist (CVA), Chi Institute of Chinese Medicine, December 2012.

Licensed Veterinarian, State of Illinois, January 1996 - Present.

Professional Experience:

Clinical Assistant Professor, February 2021 – Present
LSU School of Veterinary Medicine

Clinical Instructor, July 2016 – January 2021
LSU School of Veterinary Medicine

Adjunct Instructor, Veterinary Teaching Hospital (Acupuncture Service), January 2015 – May 2016
University of Illinois College of Veterinary Medicine

Clinical Skills Instructor, August 2010 - May 2016
University of Illinois College of Veterinary Medicine

Relief Veterinarian, April 2010
Lakeview Veterinary Clinic, East Peoria, IL

Relief Veterinarian, May 2007 - March 2009
Animal Hospital at the Crossing, Champaign, IL

Practice Associate, February 1997 - December 2006
Denham Springs Animal Hospital, Denham Springs, LA

Relief Veterinarian, June 1996 - December 1996
Animal Medical Center, Skokie, IL

Practice Associate, June 1996 - December 1996
Mayfair Animal Hospital, Chicago, IL

Practice Associate, June 1996 - December 1996
Northwest Animal Hospital, Des Plaines, IL

1. Documentation

1.1 History of assignments

1.2 Teaching

1.2.1 Summary

Year I	2016	2017	2018	2019	2020
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Lecture hours					
Lab hours			12	12	3
PBL					5

Year II	2016	2017	2018	2019	2020
Lecture hours		1	2	2	1
Lab hours		7.5	2.5		
PBL		10	10		
OSCE				54	

Year III	2016	2017	2018	2019	2020
Lecture hours					7
Lab hours					32

Year IV	2016	2017	2018	2019	2020
Contact weeks	15	26	26	30	43
Lecture Hours	4	10	10	7	
Lab Hours					

1.2.1.1 Teaching evaluations

Dr. Hale was not listed in the student options as an instructor until May 2020. Therefore, there are no evaluations available before that date. Adjunct and clinical skills instructors are not evaluated at the University of Illinois.

Year II Instruction

VMED 5223 Pharmacology

Scores listed as points out of 7.0

My score / average faculty score	Fall 2020
1. Presented material understandably	6

2. Stated expectations in objectives	6.11
3. Objectives were realistic	6.11
4. Effective use of notes	6.11
5. Began/ended sessions on time	6.11
6. Displayed enthusiasm	6.11
7. Displayed concern for students	6.11
8. Fair and impartial	Not reported/asked
Average Score	Not reported
Average SVM Faculty Evaluation Score (for the Year)	Not reported

VMED 5463 Integrative Medicine and Rehabilitation Section 51 and 57

My score / average faculty score	2020
1. The clinician helped me develop a logical problem-oriented approach to clinical diagnoses.	7
2. The clinician asked/allowed me to express my own opinions or hypotheses about cases and listened to my ideas and suggestions.	7
3. The clinician answered my questions in a thorough and clear manner	7
4. The clinician supervised my performance of clinical techniques and offered constructive suggestion	7
5. Therapeutic alternatives were explained/explored based on cost-effectiveness, owner concern, and owner compliance.	7
6. The clinician gave me suitable case management responsibility commensurate with my abilities.	7
7. The clinician displayed concern for the animal's welfare and humane treatment was given.	7
8. The clinician seemed genuinely interested in student learning.	7
9. The clinician treated me with fairness, respect, and in a courteous manner.	7
Average Score/ # reporting	7/ 10

1.2.1.2 Teaching History

Professional Curriculum

Louisiana State University, School of Veterinary Medicine

Year I Courses

VMED 5001: Problem Based Learning

Semester: Spring 2019, Fall 2020

Enrollment: 2019 101

2020 8

Lab Hours: 2019 8

Other Instructional Hours: 2020 5

Developed material for two of the hands-on stations based on the Clinical Skills 5150, and instructed one of the lab stations. 2019

VCS 5150: Clinical Skills I

Semester: Fall 2018

Enrollment: 101

Lab Hours: 12

Instructed on physical restraint of dogs and cats, physical exam of dogs, and physical exam of goats.

VMED 5151: Clinical Skills II

Semester: Spring 2019, Fall 2020

Enrollment: 2019 101

2020 50

Lab Hours: 4

Instructed on instrument handling, square knots, suturing, and intravenous catheter placement.

Year II Courses

VMED 5002: Problem Based Learning

Semester: Fall 2017, 2018, 2020

Enrollment: 2017 8

2018 8

Other Instructional Hours: 2017 10

2018 10

Group moderator for twice daily sessions with students.

VMED 5002: Problem Based Learning

Semester: Fall 2017

Enrollment: 90

Laboratory Hours: 5

Developed and instructed feline cardiovascular system hands-on laboratory station.

VMED 5010: Introduction to Integrative Medicine

Semester: Spring 2017-2019, (Covid 2020 cancelled), 2021

Enrollment: 2017 68
2018 27
2019 33
2021 19

Lecture Hours: 2017 1
2018 2
2019 2
2021 3

Lab Hours: 2.5 each year

Lecture on Introduction to traditional Chinese veterinary medicine (TCVM), Introduction to Tui-na: Chinese massage, Introduction to Chinese herbal medicine. Lecture on the use of the hyperbaric oxygen therapy in veterinary medicine. Laboratory involved teaching of TCVM exam, location of acupuncture points, and placing needles in acupuncture points.

VMED 5223: Pharmacology

Semester: Fall 2020

Enrollment: 2020 115

Lecture Hours: 1

Lecture on regulations and research regarding dietary supplements and herbal treatments

VMED 5250: Clinical Skills III

Semester: Fall 2020

Enrollment: 2020 60

Lab Hours: 2020 3

Instructed on instrument handling, square knots, and suturing (completion of 5151 lab cancelled due to COVID)

VMED 5250: Objective Structured Clinical Examination (OSCE)

Semester: Fall 2019

Enrollment: 2019 100

Laboratory/Other Instructional Hours: 2019 54

Eight-hour hands-on examination of clinical skills. Includes prep time for 4 different station exams, testing of students, and scoring of exams.

Year III Courses

VMED 5010: Basic Acupuncture and TCVM Theory

Semester: Fall 2020

Enrollment: 2020 8 – Canine 2 - Equine

Lecture Hours: 7

Lab Hours: 2020 16 – Canine 16 - Equine

Course covers acupuncture points in canine, equine, or both species depending on the student's track at Chi University of Chinese Medicine (Chi), and TCVM theory is discussed in preparation for the practical and written exams at Chi. Each session lab covers 16 hours on that species, plus an additional 4 hours of review prior to the exam. This course replaces the second and fourth onsite labs at the Chi. (Fall '20 course only replaces fourth onsite). Some students are year 4.

Year IV Courses

VMED 5463: Advanced Integrative Medicine and Rehabilitation

Semester: Fall 2020 (created August 2020)

Enrollment: 2020 3

Clinical Assignment: 2020 8
(weeks)

Began Sept. 2020. Clinical rotation for Phase II and ECFVG/PAVE students who have or are attending the acupuncture course at the Chi Institute for Chinese Medicine or the International Veterinary Acupuncture Society. Course fulfills the required 30 hours of internship under a certified acupuncturist. Runs concurrently with VMED 5463 Integrative Medicine.

VMED 5463: Integrative Medicine and Rehabilitation

Semester: Spring, Summer, and Fall 2016-2020

Enrollment: 2016 10
2017 44
2018 75
2019 74
2020 47

(average non-assigned weekly engagement)

Clinical Assignment: 2016 15 (12 hrs/week)
(weeks) 2017 26 (10 hrs/week)
2018 26 (8 hrs/week)
2019 30 (12 hrs/week)
2020 34 (8 hrs/week)

Clinical rotation for phase II. Introduces traditional Chinese veterinary medicine concepts including acupuncture, food therapy, Chinese herbal therapy, and Tui-na (Chinese massage). Introduces rehabilitation therapies. Introduces other integrative modalities such as hyperbaric oxygen therapy, shockwave therapy, and laser therapy. Students learn how to incorporate therapies into treatment of patients to obtain the best quality of life. Rotation involves morning topic rounds, full involvement in cases and treatment, case rounds and integrated case report.

VMED 5463: Community Practice

Semester: Spring, Summer, and Fall 2016-2019

Enrollment: 35-45 per year

Lecture Hours: 4-10 per year

1-hour lecture to Community Practice clinical rotation during Phase II training.

“Integrative Medicine: What is it and how does it work?”

Graduate Curriculum

VCS 7205: Pain Management

Semester: Fall 2020

Enrollment: 2020 3

Lecture Hours: 2

Lecture on non-pharmacological treatments for pain management including acupuncture, herbal therapy, and hyperbaric oxygen treatment.

Professional Curriculum

University of Illinois, College of Veterinary Medicine. 2010-2016

At the University of Illinois (UI) I was involved in the development and/or adjustment of the majority of rotations that used the Clinical Skills Learning Center. In the UI systems, students are split into small groups (8-15) and enrolled in a different rotation every week during VM 601 for year 1 (8 weeks) and VM 606 for year 2 (7 weeks rotation with week 8 for the OSCE). Most rotations are offered every week. There are 16 rotations available, with 2 required in the first year and 5 required in either first year or second year. Therefore, half the class takes a required rotation one year and the other half the next year. During this time, I developed 3 new courses. I was also the primary course coordinator for two courses and co-coordinator for 6 courses with each course having an enrollment of 120 students. This led to over 90 lecture hours and 400 laboratory hours per year. In addition, I spent over 80 hours per year in the administration of the Objective Structure Clinical Examination (OSCE) for the courses. Greater than eighty-five percent of my time was devoted to teaching the Surgical Skills and Surgery rotations. The remaining fifteen percent was divided between anesthesia, small animal emergency medicine, and assisting all other rotations as needed. This teaching experience provided me the necessary skills to lead the development of the Clinical Skills Course at Louisiana State University.

**Indicates a core rotation in course.*

Summary of Instructional activities from 2010 to 2016. Hours are presented on a per year basis.

Course	Enrollment	Lecture hours	Lab Hours	Other Instructional/OSCE hours
VM 601 I	120	59	239	
VM 606 II	120	51	217	

VM 601/606 Surgical Skills	120	60	263	
VM 601/606 Surgery	120	30	135	
VM 601/606 Anesthesia	120	8	16	
VM 601/606 Online Modules	240			40
VM 601/606 ER	120	8	30	
VM 601/606 Radiology	120	4	12	
VM 608 Communications	120			3
VM 606 OSCE	120		24	155
VM 612 OSCE	160		24	177

VM 601: Clinical Rotation I: “Achieving proficiency through practice in Year 1”.
An eight one-week rotation course. 16 rotations available.

VM 606: Clinical Rotation II: “Achieving proficiency through practice in Year 2”.
A seven one-week block course, with week 8 for the written Milestone exam and 2-hour/student OSCE. 16 rotations available

VM 601/ VM 606: *Surgical Skills I / II rotation
Coordinator, Lecture, Laboratory
Lectures, demonstrations, instruction with feedback, and examination of Year 1 or 2 students. Surgical instrument knowledge, including cleaning, maintenance, and handling. Asepsis for patient and surgeon. Creating secure square knots, basic and advanced suture patterns. Large animal restraint, oral medication, dehorning, and castration. Unique large animal surgery demonstrations and practice, such as aseptic preparation in a vertical plane. Introduction to flexible and rigid endoscopy equipment.

VM 601/ VM 606: * Small Animal Surgery I // II Rotation
Co-coordinator, Lecture, Laboratory
Lectures, demonstrations, instruction with feedback, and examination of Year 1 or 2 students. Surgical instrument knowledge, including cleaning, maintenance, and handling. Asepsis for patient and surgeon. Creating secure square knots, basic and advanced suture patterns.

VM 601/ VM 606: *Anesthesia Rotation
Co-coordinator, Lecture, Laboratory

Demonstration, instruction with feedback on maintenance of anesthesia machine, intubation of canine patient, and proper connection of machine to patient.

VM 601/ VM 606: *Small Animal Emergency Medicine Rotation

Co-coordinator, Lecture, Laboratory

Demonstration and instruction with feedback on intravenous catheter placement, use of various fluid pumps, how to fill out intensive care unit patient flow charts, drug calculations, jugular and cephalic sticks, and proper safety with sharps.

VM 601 / VM 606: *Radiology Rotation

Co-coordinator, Assistant Instructor when needed.

Lecture, demonstration, and instruction with feedback on safety with radiology equipment, use of radiographic machine, and proper positioning of patient for various common positions,

VM 606: Objective Structure Clinical Examination (OSCE) Formal Review 2010-2016

Co-coordinator

Evenings or weekends for students in Year 2 prior to OSCE I.

Provided demonstrations and feedback to students as they practiced clinical skills learned prior to the OSCE.

VM 606: Objective Structure Clinical Examination (OSCE) I 2010-2016

2-hour OSCE per student in Year 2. (4-days of exam) Repeated once fully during year for re-testing (1-day exam)

Students were also required to repeat stations or portions of stations that they missed. See information under Courses created for more detail.

VM 608: Communications Training 2010-2016

Was trained to act as a client under various scenarios to allow students communication practice.

VM 601/ VM 606 Compass 2 G Learning System, Site Manager. 2010-2016

During Year 1 (601) and Year 2 (606), students were required to study material from online modules and pass an exam for each module (10 and 8, respectively). I ensured modules contained current information, activated for student access, made adjustments for accommodations, assisted if issues developed with learning management system, renewed contract with off-site vendor for the medical terminology module, and informed Student Affairs of grades.

VM 612: Objective Structure Clinical Examination (OSCE) Formal Review 2012-2016

Evenings or weekends for students in Year 3 and non-UIUC Clinical Year students prior to OSCE II.

Co-coordinator

Provided demonstrations and feedback to students as they practiced clinical skills learned prior to the OSCE.

VM 612: Objective Structure Clinical Examination (OSCE) II 2012-2016
2-hour OSCE per student in Year 3 and non-UIUC Clinical Year students (5- days of exam). Exam given prior to entering clinical year. Repeated twice more, 1-day for ECFVG/NAVE phase II clinical year and for make-up.
Students were also required to repeat stations or portions of stations that they missed. See information under Courses created for more detail.

New Courses Developed

Louisiana State University School of Veterinary Medicine

2020

VMED 5010: Basic Acupuncture and TCVM Theory
Phase I course developed for year 3 and 4 students. Incorporates laboratories on acupuncture point locations in the canine and equine species and discusses TCVM Theory in preparation for the final acupuncture certification exams at the Chi University for Chinese Medicine. Covers the on-site lab sessions, 2 and 4, normally held at Chi. Each species is 16 hours of lab per session. Students enrolled in mixed species tract have 8 hours of each species per session. Requires students to prepare material that will assist them with the exam and TCVM practice/use. Course provides 5 hours of on-line assignments and preparation for exam, and an additional 2-4 hours of in-person review.

VMED 5464: Advanced Integrative Medicine and Rehabilitation
Course developed for Phase II and ECFVG/PAVE students who have or are attending the acupuncture course at the Chi Institute for Chinese Medicine or the International Veterinary Acupuncture Society. Course fulfills the required 30 hours of internship under a certified acupuncturist. Provides an in-depth focus on TCVM and require students to give a weekly 10-minute presentation. The course also ensures the students begin the case report requirement for certification. Allows students to stay in Louisiana to earn clerkship hours instead of travelling out of state.

2019

VMED 5151: Clinical Skills II
Created a course focused on teaching the following skills: restraint and physical exam of live horses, instrument handling, creating a secure square knot, and suture material. *Developed with the Year I Clinical Skills Coordinator Dr. R. Baker and Dr. C. McCulley.*

VMED 5250: Year 2 Fall Objective Structured Clinical Examination (OSCE)

An OSCE evaluates a student's performance in a mock clinical setting. Using simulators and staged scenarios, the students demonstrate technical procedures and analytical and communication skills to trained evaluators. *Developed with Drs. R. Baker and C. Domaracki, Year Skills Coordinators, and Ms. B. Grandt, lab manager.*

2018

VCS 5150: Clinical Skills I

Created a course focused on teaching the following skills: restraint using live dogs and cat models, restraint and physical exam of live cows and goats. *Developed with Year 1 Skills Coordinator Dr. R. Baker and lab instructors.*

University of Illinois College of Veterinary Medicine

2013

VM 601: Small Animal Physical Exam and Handling Rotation

Development of online videos, course materials, and structure. Course included restraint and physical exam of live cats, dogs, and some exotics. Proper use of leads, leashes, and collars. Safety of personnel and animals during restraint and exams. Communication training, including closed and open -ended questions, reflective listening, and discussing negative case outcomes.

2012

VM 612: Objective Structure Clinical Examination (OSCE) Formal Review

Created formal review sessions for the students to allow practice with oversight and immediate feedback for correction. Included all skills taught during the VM601/606 rotations, online modules, and laboratories and material taught in first three years.

VM 612: Objective Structured Clinical Examinations II (OSCE II).

An OSCE evaluates a student's performance in a mock clinical setting. Using simulators and staged scenarios, the students demonstrate technical procedures, analytical, and communication skills to trained evaluators. There were 12 to 16 stations, with students demonstrating 1-4 procedures or skills per station, for a total of 39-41 procedures/skills per OSCE.

2010

VM 601: Surgical Skills I Rotation

Training in aseptic techniques, basic instrument use and identification, basic suture patterns; large animal procedures (castration, dehorning, cornual nerve blocks, etc.), small animal modified Robert Jones. Also included CPR training

and communication facilitation in communicating negative outcomes to a trained client. All techniques use models, mannequins, and simulators.

VM 601/ VM 606: Anesthesia Rotation

Training in the care, use, and understanding the functioning of anesthesia machines. Endotracheal intubation and extubation on a canine simulator.

VM 601/ VM 606: Small Animal Emergency Medicine Rotation

Training in a wide range of skills and equipment use in a critical care setting. Skills included venous access, IV catheter placement, blood pressure monitoring, ECG, etc. Also included CPR training and communication facilitation in communicating negative outcomes to a trained client.

VM 606: Surgical Skills II Rotation

Review all VM 601 Surgical Skills I, including the CPR and communication training. In addition, students also practiced intradermal and inverting suture patterns, additional instrument review, and fiberglass casting for calf and equine limbs. All techniques use models, mannequins, and simulators.

VM 601/ VM 606 Radiology Rotation

Assisted with development of models and use. Using positioning simulator and radiographic machine to mimic all steps of taking a radiograph without radiation exposure. Developed by radiology technicians with input from Ms. Arnold and myself regarding the use of simulator.

VM 606: Objective Structure Clinical Examination (OSCE) Formal Reviews

Created formal review sessions for the students to allow them to practice with oversight and immediate feedback for correction. Included all skills learned during the VM601/606 rotations and the online modules they were required to complete both years, plus material taught during lectures and laboratories, such as anatomy and parasitology.

VM 606: Objective Structured Clinical Examinations I (OSCE I).

An OSCE evaluates a student's performance in a mock clinical setting. Using simulators and staged scenarios, the students demonstrate technical procedures and analytical and communication skills to trained evaluators. There were 12 to 16 stations, with students demonstrating 1-4 procedures or skills per station, for a total of 39-41 procedures/skills per OSCE.

Undergraduate Curriculum

Louisiana State University

2017

ANSC 3060: Small Animal Health Maintenance and Disease
Semester: Spring
Course Enrollment: 30
Lecture Hours: 1
Integrative medicine benefits for small animals' health

Clinical Instruction of House Officers

2019

Ciolino, Lisa, Integrative Medicine Internship, 3 Weeks/Year.

2018

Carlino, Louren, Integrative Medicine Internship, 14 Weeks/Year.

Ciolino, Lisa, Integrative Medicine Internship, 10 Weeks/Year.

2017

Carlino, Louren, Integrative Medicine Internship, 12 Weeks/Year.

Odenheimer, Ariel, Shelter Medicine Fellow, 1 Week/Year.

2016

Busby, Bethany, Shelter Medicine Fellow, 1 Week/Year.

House Officer Mentoring Duties

Intern Mentor

August 2018 - February 2019 Lisa Ciolino Integrative Medicine Intern

Non-Credit Instruction

Louisiana State University

House Officer Orientation – interns and residents
What is integrative medicine and how we can help your patients?.
Enrollment: 20
Lecture hours: 2

Personalized Learning Experience of Phase II students for Acupuncture Clerkship
Enrollment: 2017 2
 2018 1

2019 7
2020 2

Lab hours: 2017 25
2018 50
2019 210
2020 95

Supervised veterinary students completing their required clerkship (minimum 30 hours per student) for acupuncture certification from the Chi Institute of Chinese Medicine. Improve confidence, knowledge, and application of TCVM for Day 1. Students are able to utilize their TCVM knowledge to examine, diagnosis, and develop a treatment plan for patients, under supervision of clinician who is certified in acupuncture. In Sept 2020, this moved to the 5463 Advanced course.

Review Course, Chi Acupuncture Review Sessions, 2020

Enrollment: 5

Lecture hours: 4

Remote conference with 5 students who were unable to attend the Chi Institute of Chinese Medicine on-site acupuncture training due to COVID-19. Reviewed acupuncture points and TCVM terms and concepts.

Wet Lab, 2019

LSU School of Veterinary Medicine and Chi Institute for Chinese Medicine, held at LSU SVM

Enrollment: 30

Lab hours: 3

Chi Institute of Chinese Veterinary Medicine sponsored a day of lecture and acupuncture wet lab, providing speakers and lunch. This was available to SVM students for free, and at a cost for area DVMs.

Wet Lab, 2019

Tui-na in Dogs

Louisiana State University; Integrative Medicine Club at LSU

Enrollment: 17

Lecture hours: 0.5

Lab hours. 1.5

Demonstrated Tui-na techniques on dogs. Students then practiced on their own pet.

Journal Club Discussion, 2017 - 2018

Enrollment: 4

Contact hours: 20

Integrative Medicine and Rehabilitation Journal club with house officer.

Book Club, 2018

Enrollment: 3

Contact hours: 12

Discuss relevant book chapters for Integrative Medicine and Rehabilitation with house office and service faculty.

Personalized Learning Experience of Graduate Veterinarians, 2017, 2018

Enrollment: 5

Lab hours: 40

Supervised licensed veterinarians completing their required clerkship (30 hours) for acupuncture certification at Chi University for Chinese Medicine. Designed to improve confidence, knowledge, and application of TCVM upon receiving certification. Veterinarians are engaged in all aspects of treatment under direct supervision of clinician who is certified in acupuncture, except placement of acupuncture needles due to VTH liability policy.

Guest Lecture, 2018

Introduction to traditional Chinese veterinary medicine (TCVM) and When to take the acupuncture course at the Chi Institute for Chinese Medicine

Integrative Medicine Club at LSU SVM

Enrollment: 70

Lecture hours: 1

With Dr. Martha Littlefield, discuss TCVM and what options the students have to take the Chi course and when is the best time.

Guest Lecture, 2018

What is Integrative medicine at LSU SVM?

Nichols State University Pre-Vet Club at Nichols State

Enrollment: 20

Lecture hours: 1

Lab hours: 1

Discussed what Integrative medicine is, how it's applied, and what we offer at LSU. Also demonstrated the use of acupuncture and electro-acupuncture.

Guest Lecture, 2018

Acupuncture and *Tui-na* in Horses

Integrative Medicine Club at LSU SVM

Enrollment: 8

Lab hours: 2

Demonstrated Tui-na techniques on horses and provided feedback to students who practiced different techniques during the acupuncture lab.

Wet Lab, 2018

Alligator medicine

Enrollment: 10

Lab hours:2

Demonstrated physical exam and blood collection to phase II students in conjunction with Dr. Javier Nevarez.

Guest Lecture, 2018

How to earn a MS in TCVM at Chi Institute for Chinese Medicine
Integrative Medicine Club at LSU SVM

Enrollment: 30

Lecture hours: 1

Wet Lab, 2017

Acupuncture points in canines
Integrative Medicine Club at LSU SVM

Enrollment: 30

Lab hours: 1.5

Those students who have already had training in acupuncture were able to practice on their own dogs. The other students practiced on fruit and palpated the points in live animals.

Workshop 2015, 2016

Integrative Medicine Club, University of Illinois
Introduction to Traditional Chinese Veterinary Medicine and Acupuncture.

Enrollment: 2015 20

2016 30

Lecture Hours: 1

Lab Hours: 4

Discussed and practiced 15-20 acupuncture points on cadavers

Guest Lecture 2014

Introduction to Traditional Chinese Veterinary Medicine and Acupuncture.
Integrative Medicine Club, University of Illinois

Lecture Hours: 1

Enrollment: 45

Wet Lab 2011, 2012, 2013, 2015

Surgery Club, University of Illinois Urbana-Champaign College of Veterinary
Medicine

Enrollment: 30

Lab Hours: 2

Suture wet lab for members of the surgery club

1.2.2 Listing of publications concerning instruction

1.2.2.2 Shorter Works

Articles in Refereed Journals

National and International Reputation

Banse, H., McMillan, C., Warren, A., Hecker, K., Skorobohach, B., Carter, R. T., Lewin, A., Kondro, D., Ungrin, M., Dorosz, S., Baker, R., Dehghanpir, S., Grandt, B., **Hale, L.**, Anderson, S. (2021). Development of and validity evidence for a canine ocular model for training novice veterinary students to perform a fundic examination. *Journal of Veterinary Medical Education*

Morin, D., Arnold, C., **Hale, L.**, McNeil, L., Lanzo, S., Williams, D., Foreman, J., Whiteley, H. (2019 epub, 2020 print). Development and evolution of the Clinical Skills Learning Center as an integral component of the Illinois Veterinary Professional Curriculum. *Journal of Veterinary Medical Education*, 46(4/Winter) epub; Jun 47(3), 307-320.

Gercke, E., Baret, D. C., Arnold, C. J., **Hale, L.**, Baille, S. (2015). Synthetic models for teaching farm animal technical and clinical skills to veterinary undergraduates. *Cattle Practice*, 23(1): 20-26.

Other Publications

Journal Article, Professional Journals

Abstract

Banse, H., McMillan, C., Anderson, S., Hecker, K., Skorobohach, B., Carter, R. T., Lewin, A., Baker, R., Dehghanpir, S., **Hale, L.**, Grandt, B., Kondro, D., Dorosz, S., Ungrin, M., Warren, A. Validation of a canine ocular simulator for use in fundic examination. Proceedings of the International Symposium of the Veterinary Schools Council, Veterinary Education, Rothamsted Research, Harpenden, United Kingdom, July, 2019.

Material Regarding New Courses/Curricula

Study Guides – Published at University of Illinois

Clinical Skills Learning Center (CSLC) Manuals:
Manuals are used for self-guided instruction at the CSLC.

Stevens, S., **Hale, L.**, Arnold, C. J. (2013). Anesthesia Machine Components and Use Manual.

Arnold, C. J., **Hale, L.**, Morin, D. (2013). Bovine Oral Medication Manual.

Hale, L., Arnold, C. J. (2012). Bovine Restraint, including Haltering, Rope Casting, and Bowline Knot.

1.2.2.5 Instructional material – multimedia, electronic, etc.

Published at University of Illinois for Clinical Skills Learning Center

Clinical Skills Learning Center Educational Videos (33): Three minutes to 15 minutes in length depending on content.

*Educational Videos: Developed, taped, edited, and published by **Hale, L.***

1. Anesthesia – Proper way to inflate the cuff
2. Bovine Bowline Knot and Casting
3. Bovine Castration Methods
4. Bovine Haltering
5. Bovine Oral Medication
6. Canine Physical Exam – Complete
7. Canine Physical Exam – Parts
8. Canine Restraint Technique
9. Gown Folding and Wrapping (UICVM method)
10. Hand-tie: One-hand, Left-Handed
11. Hand-tie: One-Hand, Right-Handed
12. Hand-tie: Two-Hand Left-Handed
13. Hand-tie: Two-Hand, Right-Handed
14. Horse Safety: Moving In to or Out of a Stall
15. Horse Tail Tie
16. Patient Monitoring Techniques
17. Stocks – Clove hitch, Quick Release
18. Suture Pattern – Intradermal
19. Suture Pattern – Intradermal – Bury the Knot Close Up

*Educational Videos: Developed, edited, and published by **Hale, L.***

1. Ford Interlocking Pattern – Right Hand Surgeon
2. Ford Interlocking Pattern – Left Hand Surgeon
3. Patient Asepsis – Prep Bowl and Pour Saline
4. Removing Suture from Cassette while Maintaining Sterility
5. Sterile Gloving – Opening Gloving
6. Surgeon Gowning to Gloving (closed gloving)
7. Surgeon Scrubbing to Gloving
8. Surgeon Scrubbing

*Educational Videos: Taped, edited, and published by **Hale, L.***

1. Canine Cardiology Examination
2. Canine Physical Exam
3. Canine Pulmonary Examination
4. Feline Restraint Techniques
5. Small Animal Dental Examination
6. Vertical Preparation of Patient

1.2.3 Listing of publications concerning instruction accepted for publication, but not yet published

1.2.4 Participation in Meetings

1.2.4.1 Professional Meetings, Symposia, Workshops, and Conferences on teaching

International (Presenting author *)

1. International Veterinary Simulation in Teaching (InVeST) Conference 2012, Large animal models and assessment techniques (30-min). ***Hale, L.**, Arnold, C., Marick, D.M., Calgary, AB, Canada, August 2012.
2. International Veterinary Simulation in Teaching (InVeST) Conference 2012, Large animal models and how they are made (30-min) ***Hale, L.**, Arnold, C., Marick, D.M., Calgary, AB, Canada, August 2012.
3. International Veterinary Simulation in Teaching (InVeST) Conference 2012, Round Table Discussion on an OSCEs creation, implementation, and assessment. **Hale, L.**, Baille, S., Reed, E., et. al. Calgary, AB, Canada, August 2012. Invited panelist.

Poster Presentation (Presenting author *)

1. Veterinary Schools Council Veterinary Education Symposium, Validation of a canine ocular simulator for use in fundic examination. ***Banse, H.**, McMillan, C., Anderson, S., Hecker, K., Skorobohach, B., Carter, R. T., Lewin, A.,

Baker, R., Dehghanpir, S., **Hale, L.**, Grandt, B., Kondro, D., Dorosz, S., Ungrin, M., Warren, A., Harpenden, United Kingdom, July 2019.

2. International Veterinary Simulation in Teaching (InVeST) Conference 2012, Demonstrated Bovine Oral Intubation model, Bovine Standing Suturing model, and Bovine Castration model. *Arnold, C., ***Hale, L.**, Calgary, AB, Canada, August 2012.
3. American Association of Veterinary Medical Colleges, Use of the iPad tablet computer and E*Value™ curriculum management program to facilitate assessment and reporting of student performance on an objective structured clinical examination., *Morin, D.E., **Hale-Mitchell, L.K.**, Arnold, C.J., Soder, H.N., Foreman, J.H., Whitely, H.E. Alexandria, VA, June 2012.

Continuing Education Participation

1. Exploring summative entrustment: Learning from school experiences in the AAMC core EPA pilot, AAMC, November, 2020.
2. Developing open book questions. LSU, Baton Rouge, LA, July 2020
3. The basics of using flipped classrooms. LSU, Baton Rouge, LA, July 2020.
4. Using Zoom and Panopto for classrooms. LSU, Baton Rouge, LA, July 2020.
5. LSU SVM Dean's Grand Rounds, Reed, E., Laying tracks in front of a moving train: Developing a clinical skills training program at the University of Calgary. Baton Rouge, LA, January 2019.
6. International Veterinary Simulation in Teaching (InVeST) Conference, Lincoln Memorial University, Knoxville, TN, October 2018.
7. International Veterinary Simulation in Teaching (InVeST) Conference, The use of standardized clients in communication OSCE: standardization or role and assessment workshop. Lincoln Memorial University, Knoxville, TN, October 2018.
8. International Veterinary Simulation in Teaching (InVeST) Conference, Best practices in virtual reality and game-based learning and teaching workshop. Lincoln Memorial University, Knoxville, TN, October 2018.
9. International Veterinary Simulation in Teaching (InVeST) Conference, Getting started with simulation research workshop. Lincoln Memorial University, Knoxville, TN, October 2018.

1.2.5 Other instructional activities or other contributions to the profession

LSU SVM Academy on Teaching and Learning Journal Club
Discuss relevant articles on teaching and learning, and how we can/should incorporate the ideas into our curriculum
2018 - Current

1.2.5.1 Membership in Professional Organizations

International

Veterinary Clinical Skills and Simulation, June 2020 – Present.

Network of Veterinarians in Continuing Education: Veterinary Clinical Skills and Simulators, 2010 - 2020.

Regional

Southwest Veterinary Education Consortium – July 2020.

1.2.5.2 Administrative duties

Louisiana State University, Department of Veterinary Clinical Sciences
Clinical Skills Lab Program Coordinator 2018- 2020
Created framework for new Clinical Skills Courses to be instituted over the first 5 semesters of education. Acted as the overall coordinator working with the individual Years I – III coordinators to design and implement the course. Additional duties included managing yearly budget, hiring and supervision of a lab manager, and purchasing initial simulators and models. Developed ideas for future models. Found resources for the lab manager to attend InVeST 2018 at Lincoln Memorial University. Secured funding to repair a \$15,000 overhead mobile camera system to allow students to visualize what the teacher was seeing without having to be right in front of the teacher.

Courses Coordinated

Professional Curriculum

Louisiana State University School of Veterinary Medicine

VMED 5010: Basic Acupuncture and TCVM Theory
Instructors: Hale, L., Littlefield, M.
Started Sept 2020

VMED 5463: Advanced Integrative Medicine and Rehabilitation
Instructors: Hale, Lorrie

Started Aug 2020

VMED 5463: Integrative Medicine and Rehabilitation

Instructors: Hale, Lorrie, various locums

Started May 2020

1.2.5.3 New teaching methods/materials developed

Louisiana State University School of Veterinary Medicine

VMED, Clinical Skills Labs 2020

Use of InVision Camera system integrated into multi-purpose lab to allow visualization of clinical skills procedures by a large number of students. Labs can be recorded for later playback. It also allows for physical distancing COVID requirements.

VMED 5010: Basic Acupuncture and TCVM Theory 2020

Developed Moodle page and syllabus for rotation. Worked acupuncture point labs to work for best mix of canine, equine, and “mixed” track acupuncture students attending the Chi University of Chinese Medicine (Chi). 32 hours of laboratory and 4 hours of review per species, plus 5 lectures on TCVM Theory. Short answer assignments and reflective quizzes to prepare students for acupuncture exams. Worked with Chi to obtain canine skeletal model and other lab equipment needed for the course.

VMED 5463, Advanced Integrative Medicine and Rehabilitation 2020

Developed Moodle page and syllabus for rotation. Developed activities to allow in-depth discussions of TCVM and improved TCVM comprehension. Students to prepare an 8 to 10-minute presentation each week on a TCVM topic decided with instructor.

VMED 5463, Integrative Medicine and Rehabilitation, 2016-2020

Updated lecture hours and added new lectures: Welcome to traditional Chinese veterinary medicine: What does this mean?; Chinese veterinary herbal medicine; How to add Chinese food therapy to veterinary diets; The 24-Hour Qi flow and its relation to the meridians; and Meridian beginnings and endings; Tui-na techniques and functions; Herbal safety. Added mental well-being discussion about burn-out and how to cope, and demonstrated Qi-gong exercises to provide coping mechanisms for stress. In early 2020, restructured the rotation to a one-person service to allow for best combination of student learning and patient care. Restructured two half-block rotations to allow for remote teaching due to COVID-19, providing additional cases and interactive discussions. Updated syllabus to allow for COVID-19 and ZOOM code of conduct. Developed Moodle page for rotation in mid-2020.

VMED, 5250, Year 2 Fall Objective Structured Clinical Examination (OSCE) 2019

Edited station scripts and rubrics. Created grading spreadsheet.

VMED 5463, Community Practice 2016-2019

Updated lecture material every year to introduce integrative medicine by providing new cases and latest developments in nutraceuticals.

VMED 5010, Introduction to Integrative Medicine 2017-2019

Developed new lectures on Chinese herbal medicine, Introduction to traditional Chinese veterinary medicine, and Introduction to Tui-na. Updated lectures every year with new cases.

VMED 5001, Problem Based Learning 2019

Created two 20-minute interactive laboratories for the canine module that incorporated the techniques and skills learned in VMED 5150, Clinical Skills I.

VMED 5150, Clinical Skills I 2018

Demonstration of different types of restraint for dogs and cats. Procured stuffed cats to use in place of live cats for restraint practice.

VMED, 5002, Problem Based Learning 2017

Created multiple questions for the quizzes. Developed feline auscultation lab and discussion points.

University of Illinois College of Veterinary Medicine

2010-2016

VM 601 and VM 606, Clinical Skill I and Clinical Skill II.

Developed new method of keeping track of all rotations that were using the CSL space on a weekly basis. Used games and other simulators to develop sense of touch in fingers and help brain recognize what the object feels like and its size. Used trainer like games to improve hand eye coordination. Used green peppers with rigid scopes for training students in their use. Used air dried equine lungs to demonstrate bronchoscopy.

VM 606 and VM 612, Objective Structured Clinical Examination (OSCE) I/ II.

Created a rubric for scoring OSCE using a template in Excel that allowed E-value data to be transferred into an excel spreadsheet, be scored, and highlight any student deficiencies. Created excel spreadsheet to keep track of student completion of OSCE components which are required before progressing.

VM 606 and VM 611, Objective Structured Clinical Examination Stations' 2010 – 2016. *Master List*. Station documents include a written script of tasks, task

checklist, station supply list, simulators needed, description of how to set up and reset station in between, and grading scale.

Primary Developer:

1. Surgeon Scrubbing, Rinsing, Drying, Gowning, and Closed Gloving
2. Patient Restraint and Aseptic Preparation for Surgery
3. Equine Limb Wound Care and Bandaging
4. Sterile Open Gloving, Small Animal Surgical Instrument and Suture Handling, Secure Square Knots, and Suture Patterns
5. Patient Quadrant Draping for Surgery
6. Canine Physical Exam
7. Tie-in the Crush with hand-tie or instrument tie
8. Equine Tail Tie with Quick Release Knot

Assisted in Development:

1. Cardiopulmonary Resuscitation on Canine Simulator
2. Patient Monitoring: Use of Equipment and Interpretation of Data from Equipment
3. 3-way Stopcock Use in Abdominocentesis
4. Ford Interlocking and Hand-Ties in Vertical Plane
5. Bovine Castration
6. Bovine Oral Medication, including Safety, and Identification and Use of Proper Equipment
7. Equine Hoof Exam, including Safety, and Identification and Use of Hoof Testers
8. Using the Vacutainer System to Draw Blood for a CBC
9. Equine Nerve Block
10. Radiographic positioning and interpretation: Canine Abdomen or Thorax
11. Cystocentesis of the canine patient
12. Open and Closed ended questions, Reflective listening, and other Communication Skills
13. Radiograph interpretation and anatomy: Equine Limb
14. Drug and Fluid Calculations

Simulators developed at University of Illinois College of Veterinary Medicine.

All models were developed with Connie Arnold, CVT from UIUC CVM, except as noted.

Suture Board 2015

*Trainer used with Year 1 students to teach square knots and basic suture patterns.
Created at UIUC Plastics Division of Engineering Dept.*

Intradermal Suturing Trainer Step 2 2014

Model made of foam with printed fabric "skin" on top to teach the placement of the intradermal pattern, especially the beginning and end sections which are a

*difficult concept for Year 2 and Year 3 students to visualize. Low-fidelity model. Arnold. C.J., **Hale, L.**, Morin D.E.*

Intradermal Suturing Trainer Step 1 2014

Lacing card model to teach the placement of intradermal pattern following numbered holes, for Year 2 and Year 3 students. Low-fidelity model.

Rover Positioning Simulator 2014

*Allows for radiographic practice without radiation exposure. Sensors within the model send the position of the model while on the radiograph table to a software program that selects the corresponding radiograph (within a 10-degree tilt) to display on the computer screen. Students are able to determine if the patient is positioned properly. Developed for the Year 1 and Year 2 programs, and OSCEs. Initial development in partnership with senior bioengineering course. Completed 2 years later. Copyright application was started in 2016 at UIUC. **Hale, L.**, Arnold. C.J., Hartman, S., Morin D.E.*

Flexible Endoscope Step 1 2013

Model is used to teach students and residents how to hold a flexible scope and have it move in the direction they want it to without breaking the fibers. Low-fidelity model. Developed with input from Dr. Brendan McKiernan.

Flexible Endoscope Hamster Trail Step 2 2013

Model is used to teach students to move through a curved structure and investigate branching. Low-fidelity model. Adapted from Southern Illinois University Medical School at Springfield's Clinical Skills Laboratory.

Flexible Endoscope Tumor Identification Trainer Step 3 2013

Model is used to teach students how to use all parts of the endoscope to find masses in a simulated small intestinal tract. Low-fidelity model. Adapted from Southern Illinois University Medical School at Springfield's Clinical Skills Laboratory.

Three-layer suture pad 2011

Model is used to teach abdominal closure and different suture patterns including full intradermal suture closure. Low-fidelity model.

Equine Limb Wound and Bandage 2011

Fake wounds created and placed on an equine simulator. Used to teach safety of personnel around equine limb, proper steps for wound care, and proper bandaging techniques. Mix of low and high-fidelity models.

Rigid Scope Trainers 2011

Two trainers that allow students to practice using a rigid endoscope while watching on a video screen instead of through an eyepiece. Develops hand eye coordination needed for indirect observation.

Using a green pepper or pumpkin, students practice retrieving. Adapted a commercial rigid scope trainer with small objects to be picked up, turned over, and moved. Mix of low and high-fidelity models.

Bovine Oral Medication Model 2010

Simulator is used to teach safety of personnel and use of equipment for oral treatment of bovids, such as Frick's speculum, stomach tube, and bolus capsules. Low-fidelity model.

Tail Tie 2010

Model is used to teach proper methods for wrapping an equine tail prior to rectal palpation. Also teaches proper way to tie a rope to a bovine or equine tail to secure it out of the way during a standing medical or surgical procedure. Low-fidelity model.

1.2.6 Awards, Lectureships, or Prizes that show recognition of teaching achievement

Clinical Instructors at UIUC CVM were not considered part of the faculty, and therefore not eligible for recognition.

Dr. Hale's name was inadvertently left off the evaluation list at LSU SVM until May 2020.

Dean's Teacher Merit Honor Roll, Year IV, awarded April 2021, for one of the highest rankings in previous year.

1.2.7 Research support activities aimed at advancing one's ability to teach

Hale, L. Use of Utrecht Canine Intubation mannikins to decrease stress on veterinary students practicing canine intubation, Banfield Foundation Veterinary Equipment Grant, \$15,000, September 2019, not funded.

1.3 Scholarship

1.3.1 Listing of research publications (published items only)

1.3.1.2 Shorter Works

Refereed Journal Articles

1. **Hale, L.** (2019). Integrative treatment of suspected thromboembolism to the brachial plexus caused by asymmetric cardiomyopathy. *American Journal of Traditional Chinese Veterinary Medicine*, 14(2), 67-70.
2. Mitchell, M., Riggs, S., Singleton, C., Diaz-Figueoroa, O., **Hale, L.** (2009). Evaluating the clinical and cardiopulmonary effects of clove oil and propofol on

tiger salamanders (*Ambystoma tigrinum*). *Journal of Exotic Pet Medicine*, 18(1), 50-56.

Other Publications

Conference Proceedings

1. Mitchell, M., Riggs, S., Singleton, B., **Hale-Mitchell, L.**, Carboni, D. (2005). Characterizing hematologic and plasma biochemistry values for captive Mali uromastyx (*Uromastyx maliensis*). *Proceedings of Association of Reptile and Amphibian Veterinarians* (74), Phoenix, AZ, May 2005, 52.
2. **Hale, L.** (2005). Working with your veterinarian. *Proceedings of National Wildlife Rehabilitators Association* (23), Minneapolis, MN, March 2005, 115-120.
3. **Hale, L.** (2004). Examination of the reptile. *Proceedings of National Wildlife Rehabilitators Association* (22), Orlando FL, March 2004, 77-79.
4. Riggs, S., Mitchell, M., Diaz-Figueoroa, O., Singleton, C., **Hale, L.**, Hall, D. (2003). Evaluating the clinical effects of clove oil and propofol on tiger salamanders (*Ambystoma tigrinum*). *Proceedings of the Association of Reptile and Amphibian Veterinarians* (72), Minneapolis, MN, October 2003, 72.

Journal Article, Professional Journals

1. **Hale, L.**, Rosenhagen, N., Whittington, J. (2013). Integrated treatment for an injured red fox kit (*Vulpes vulpes*): A case study. *Wildlife Rehabilitation Bulletin/National Wildlife Rehabilitators Association*, 31(2), 7-9.

1.3.1.6 Miscellaneous

Book Reviews

1. **Hale, L.** (2012). Review of MATERN/Acupuncture for Dogs and Cats; A Pocket Reference. Doody's Review Service on-line. <http://www.doody.com>.
2. **Hale, L.** (2011). Review of SMITH/Career Choices for Veterinarians Private Practice and Beyond, 2nd Edition. Doody's Review Service on-line. <http://www.doody.com>.

1.3.4.1 Participation in Professional Meetings

International

1. **Hale, L.K.**, Nevarez, J. G. Acupuntura en mascotas no convencionales y animals silvêtres (Acupuncture in unconventional pets and wild animals). 5to Congreso Asociacion Latinoamerica de Vetreinaros de Fauna Silvestre, Virtual. December 2020.
2. **Hale, L.K.**, Whittington, J. Bandaging, fluid therapy, physical exam, and oral medication (2-hour laboratory), National Wildlife Rehabilitators Association Basic Wildlife Rehabilitation Seminar, Baton Rouge, LA, March 2012.
3. **Hale, L.K.** Bandaging, fluid therapy, physical exam, and oral medication (1-hour), National Wildlife Rehabilitators Association Basic Wildlife Rehabilitation Seminar, Baton Rouge, LA, March 2012.
4. **Hale, L.K.** Intake Physical exam and triage overview (30-min), National Wildlife Rehabilitators Association Basic Wildlife Rehabilitation Seminar, Baton Rouge, LA, March 2012.
5. **Hale, L.K.** Sanitation practices overview (20-min), National Wildlife Rehabilitators Association Basic Wildlife Rehabilitation Seminar, Baton Rouge, LA, March 2012.
6. **Hale, L.K.** Veterinary relationship (20-min), National Wildlife Rehabilitators Association Basic Wildlife Rehabilitation Seminar, Baton Rouge, LA, March 2012.
7. Miller, E.J., **Hale, L.K.** Endoparasitology (two 2-hour laboratories), National Wildlife Rehabilitators Association Annual Conference, Baton Rouge, LA, March 2012.
8. **Hale, L.K.** The bugs in your patient (1-hour), National Wildlife Rehabilitators Association Annual Conference, Baton Rouge, LA, March 2012.
9. **Hale, L.K.** Whittington, J. Bandaging, fluid therapy, physical exam, and oral medication (2-hour laboratories), National Wildlife Rehabilitators Association Basic Wildlife Rehabilitation Seminar, Albany, NY, February 2011.
10. **Hale, L.K.** Bandaging, fluid therapy, physical exam, and oral medication (1-hr), National Wildlife Rehabilitators Association Basic Wildlife Rehabilitation Seminar, Albany, NY, February 2011.
11. **Hale, L.K.** Sanitation practices overview (20-min), National Wildlife Rehabilitators Association Basic Wildlife Rehabilitation Seminar, Albany, NY, February 2011.
12. **Hale, L.K.** Veterinary relationship (20-min), National Wildlife Rehabilitators Association Basic Wildlife Rehabilitation Seminar, Albany, NY, February 2011.

13. **Hale, L.K.** Intake physical exam and triage overview (30-min), National Wildlife Rehabilitators Association Basic Wildlife Rehabilitation Seminar, Albany, NY, February 2011.
14. **Hale, L.K.**, Whittington, J. Endoparasitology (two 2-hour laboratories), National Wildlife Rehabilitators Association Annual Conference, Albany, NY, February 2011.
15. **Hale, L.K.** The bugs in your patient (1-hour), National Wildlife Rehabilitators Association Annual Conference, Albany, NY, February 2011.
16. Whittington, J., **Hale, L.K.** Wound management (two 2-hour laboratories), National Wildlife Rehabilitators Association Annual Conference, Albany, NY, February 2011.
17. **Hale, L.K.**, Fox, W. Considerations for the most important relationship you will ever have (1-hour), National Wildlife Rehabilitators Association Annual Conference, Seattle, WA, March 2010.
18. **Hale, L.K.** Fluid therapy for wildlife lecture (1-hour), National Wildlife Rehabilitators Association Annual Conference, Seattle, WA, March 2010.
19. **Hale, L.K.**, Whittington, J. Fluid therapy for wildlife (two 2-hour laboratories), National Wildlife Rehabilitators Association Annual Conference, Seattle, WA, March 2010.
20. Mitchell, M.A., **Hale, L.K.** Fluid therapy for wildlife (two 2-hour laboratories), National Wildlife Rehabilitators Association Annual Conference, Chicago, IL, March 2009.
21. **Hale, L.K.** Examination of reptiles (1-hour), National Wildlife Rehabilitators Association Annual Conference, Cherry Hills, NJ, March 2008.
22. Mitchell, M.A., **Hale, L.K.** Fluid therapy for wildlife (two 2-hour laboratories), National Wildlife Rehabilitators Association Annual Conference, Cherry Hills, NJ, March 2008.
23. Mitchell, M.A., **Hale, L.K.** Raptor pododermatitis (two 2-hour laboratories), National Wildlife Rehabilitators Association Annual Conference, Cherry Hills, NJ, March 2008.
24. **Hale, L.K.** Round table discussion. Wildlife veterinary forum, National Wildlife Rehabilitators Association Annual Conference, Cherry Hills, NJ, March 2008.

25. Mitchell, M.A., **Hale, L.K.** Fluid therapy for wildlife (two 2-hour laboratories), National Wildlife Rehabilitators Association Annual Conference, Chicago, IL, March 2007.
26. Mitchell, M.A., **Hale, L.K.** Fluid therapy for wildlife (two 2-hour laboratories), National Wildlife Rehabilitators Association Annual Conference, Costa Mesa, CA, March 2006.
27. Mitchell, M.A., **Hale, L.K.** Wildlife radiology (two 2-hour laboratories), National Wildlife Rehabilitators Association Annual Conference, Costa Mesa, CA, March 2006.
28. Mitchell, M.A., **Hale, L.K.** Fluid therapy for wildlife (two 2-hour laboratories), National Wildlife Rehabilitators Association Annual Conference, Minneapolis, MN, March 2005.
29. **Hale, L.K.** How to work with your veterinarian (1-hour), National Wildlife Rehabilitators Association Annual Conference, Minneapolis, MN, March 2005.
30. **Hale, L.K.** Round table discussion. Wildlife veterinary forum, National Wildlife Rehabilitators Association Annual Conference, Minneapolis, MN, March 2005.
31. Mitchell, M.A. **Hale, L.K.** Fluid therapy for wildlife (two 2-hour laboratories), National Wildlife Rehabilitators Association Annual Conference, Orlando, FL, March 2004.
32. **Hale, L.K.** Physical exam and restraint of the reptile (1-hour) National Wildlife Rehabilitators Association Annual Conference, Orlando, FL, March 2004.
33. **Hale, L.K.** Round table discussion. Wildlife veterinary forum, National Wildlife Rehabilitators Association Annual Conference, Orlando FL, March 2004.
34. **Hale, L.K.** External parasites of wildlife: An overview (30-min), National Wildlife Rehabilitators Association Annual Conference, St. Louis, MO, March 2002.
35. Mitchell, M.A., **Hale, L.K.** Fluid therapy for wildlife laboratory (two 2-hour laboratories), National Wildlife Rehabilitators Association Annual Conference, St. Louis, MO, March 2002.
36. **Hale, L.K.** Round table discussion. Wildlife veterinary forum, National Wildlife Rehabilitators Association Annual Conference, St. Louis, MO, March 2002.
37. Mitchell, M.A., **Hale, L.K.** Fluid therapy for wildlife laboratory (two 2-hour laboratories), National Wildlife Rehabilitators Association Annual Conference, Milwaukee, WI, March 2000.

1.3.4.2 National

1. **Hale, L.K.** I've been out how long? (1-hour), University of Illinois College of Veterinary Medicine Fall Conference for Veterinarians, Champaign, IL, September 2015.

1.3.4.3 Regional/State/Local

1. **Hale, L.K.** Acupuncture and other integrative therapies offered at the Veterinary Teaching Hospital (two 30-min demonstrations), LSU VTH Open House, January 2017.
2. **Hale, L.K.** Acupuncture and other integrative therapies offered at the Veterinary Teaching Hospital (two 30-min demonstrations), LSU VTH Open House, January 2016.
3. **Hale, L.K.** Fluid therapy for wildlife lecture (1-hour), California Council for Wildlife Rehabilitation Conference, Fish Camp, CA, November 2008.
4. **Hale, L.K.** Intake assessment protocol: Restraint, physical exam (30-min), California Council for Wildlife Rehabilitation Conference, Fish Camp, CA, November 2008.
5. **Hale, L.K.** What information do I need for my veterinarian? (30-min), California Council for Wildlife Rehabilitation Conference, Fish Camp, CA, November 2008.
6. Mitchell, M.A., **Hale, L.K.** Fluid therapy for wildlife (two 2-hour laboratories), California Council for Wildlife Rehabilitation Conference, Fish Camp, CA, November 2008.
7. **Hale, L.K.** Bandaging and fluid therapy (2-hour laboratory), Louisiana Wildlife Rehabilitators Association Conference, Baton Rouge, LA, May 2005.
8. **Hale, L.K.** Restraint and physical exam (2- hour laboratory), Louisiana Wildlife Rehabilitators Association Conference, Baton Rouge, LA, May 2005.
9. **Hale, L.K.** Zoonotic diseases (1-hour), Louisiana Wildlife Rehabilitators Association Conference, Baton Rouge, LA, May 2005.
10. **Hale, L.K.** Banding and wound care (1-hour), Louisiana Wildlife Rehabilitators Association Conference, Baton Rouge, LA, May 2005.
11. **Hale, L.K.** Introduction to parasites (1-hour), Louisiana Wildlife Rehabilitators Association Conference, Baton Rouge, LA, May 2005.

12. **Hale, L.K.** Fluid therapy lecture (1-hour), Louisiana Wildlife Rehabilitators Association Conference, Baton Rouge, LA, May 2005.
13. **Hale, L.K.** Basic comparative anatomy of mammals, avian, and reptiles lecture (2-hour), Louisiana Wildlife Rehabilitators Association Conference, Baton Rouge, LA, May 2005.
14. **Hale, L.K.** Bandaging and fluid therapy (2-hour laboratory), Louisiana Wildlife Rehabilitators Association Conference, Shreveport, LA, May 2004.
15. **Hale, L.K.** Restraint and physical exam (2- hour laboratory), Louisiana Wildlife Rehabilitators Association Conference, Shreveport, LA, May 2004.
16. **Hale, L.K.** Banding and wound care (1-hour), Louisiana Wildlife Rehabilitators Association Conference, Baton Rouge, Shreveport, LA 2004.
17. **Hale, L.K.** Avian and reptile wildlife case series (1-hour), Louisiana Wildlife Rehabilitators Association Conference, Shreveport, LA, May 2004.
18. **Hale, L.K.** Basic comparative anatomy of mammals (1-hour), Louisiana Wildlife Rehabilitators Association Conference, Shreveport, LA, May 2004.
19. **Hale, L.K.** Basic restraint and handling lecture (1-hour), Louisiana Wildlife Rehabilitators Association Conference, Shreveport, LA, May 2004.
20. **Hale, L.K.** Fluid therapy for wildlife lecture (1-hour), Louisiana Wildlife Rehabilitators Association Conference, Shreveport, LA, May 2004.
21. **Hale, L.K.** Bandaging and fluid therapy (2-hour laboratory), Louisiana Wildlife Rehabilitators Association Conference, Baton Rouge, LA, May 2003.
22. **Hale, L.K.** Restraint and physical exam (2- hour laboratory), Louisiana Wildlife Rehabilitators Association Conference, Baton Rouge, LA, May 2003.
23. **Hale, L.K.** Banding and wound care lecture (1-hour), Louisiana Wildlife Rehabilitators Association Conference, Baton Rouge, LA, May 2003.
24. **Hale, L.K.** Basic restraint and handling lecture (1-hour), Louisiana Wildlife Rehabilitators Association Conference, Baton Rouge, LA, May 2003.
25. **Hale, L.K.** Fluid therapy for wildlife lecture (1-hour), Louisiana Wildlife Rehabilitators Association Conference, Baton Rouge, LA, May 2003.
26. **Hale, L.K.** Managing traumatic injuries in the wildlife patient (1-hour), Louisiana Wildlife Rehabilitators Association Conference, Baton Rouge, LA, May 2003.

27. **Hale, L.K.** Medical calculations (30-min), Louisiana Wildlife Rehabilitators Association Conference, Baton Rouge, LA, May 2003.
28. **Hale, L.K.** Medical management of the critical wildlife patient (1-hour), Louisiana Wildlife Rehabilitators Association Conference, Baton Rouge, LA, May 2003.
29. **Hale, L.K.** Zoonotic diseases (45-min), Louisiana Wildlife Rehabilitators Association Conference, Baton Rouge, LA, May 2003.

1.3.4.4 Other Meeting Participation (organizing, critiquing, judging)

1. Faculty Moderator, Clinician Scientist Training Workshop, Baton Rouge, LA, October 2019.
2. Moderator, Veterinary Session, National Wildlife Rehabilitators Association Annual Conference, Costa Mesa, CA, March 2006.

1.3.4.5 Continuing Education Attended

1. TCVM Palliative and End-of-Life Practitioner Certification Course, (3 semester credits) Chi University, Online, August - December 2020.
2. TCVM Diagnostics, Classical Points and Advanced Acupuncture Techniques for Equine (1.5 semester credits), Hybrid, Chi Institute of Chinese Medicine, Reddick, FL. January – April 2020.
3. American Academy of Veterinary Acupuncture Virtual Conference, (5 CE hr) Online, August - September 2020.
4. Sechrist Veterinary Health, Hyperbaric oxygen therapy: An overview, (2 CE hr) Online, April 2020.
5. Assisi Animal Health, Osteoarthritis in dogs: Pain management and integrative care. (1 CE hr) Online, April 2020.
6. International ATMO, Inc, Hyperbaric Medical Team Training for Animal Applications. (31.5 CE hrs) San Antonio, TX, February 2020.
7. Veterinary Food Therapy (1.5 semester credits), Online, Chi Institute of Chinese Medicine. January – April 2019.
8. TCVM Clinical Approach Herbology Hepatic and Endocrine Disease (2 semester credits), Online, Chi Institute of Chinese Medicine August – December 2018.

9. 20th Annual International Conference on TCVM, How to create a customized herbal recipe, workshop. Reddick, FL, November 2018.
10. 20th Annual International Conference on TCVM, Integrative therapies for common neurologic problems in dogs, workshop. Reddick, FL, November 2018.
11. 20th Annual International Conference on TCVM, Small animal track lectures. Reddick, FL, November 2018.
12. Pet Poison Helpline Seminar, Pots and pets: Updates on marijuana intoxication in dogs and cats. Online, September 2018.
13. TCVM Clinical Approach Herbology Cardiovascular and Respiratory Diseases (2 semester credits), Online, Chi Institute of Chinese Medicine January – April 2018.
14. TCVM Clinical Approach Herbology Gastrointestinal Disorders and Spleen System Diseases (2 semester credits), Online, Chi Institute of Chinese Medicine September - December 2017.
15. TCVM Clinical Approach Herbology Dermatology, Oncology, and Immune-mediated Diseases (2 semester credits), Online, Chi Institute of Chinese Medicine September - December 2017
16. 19th Annual International Conference on TCVM for Geriatric Medicine and Palliative Care, lectures, Toronto, ON, Canada August 2017.
17. Research Methods in TCVM, (2 semester credits), Online, Chi Institute of Chinese Medicine, May – August 2017.
18. LSU Office of Research and Economic Development, The experiment was done incorrectly: Voice in scientific writing. Baton Rouge, LA, June 2017.
19. TCVM Clinical Approach Herbology Geriatric, Urinary, and Reproductive Diseases (2 semester credits), Online, Chi Institute of Chinese Medicine January - April 2017.
20. Advanced Veterinary Tui-na, (1 semester credits), Hybrid, January - April 2017.
21. TCVM Introduction to Chinese Herbal Medicine, (1 semester credits), Online, September – December 2016.
22. Veterinary Tui-na, (1.5 semester credits), Hybrid, September – December 2016.

1.3.5 Other Scholarly Activities

1.3.5.1 Membership in Professional Organizations

American Association of Veterinary Clinicians 2016 – Present.

Baton Rouge Area Veterinary Medical Association 1997-2007, 2016 – Present.

Louisiana Veterinary Medical Association 1997-2007, 2016 – Present.

American Holistic Veterinary Medical Association 2016 – Present.

American Association of Traditional Chinese Veterinary Medicine 2012 – Present.

World Association of Traditional Chinese Veterinary Medicine 2012 – Present.

American Academy of Veterinary Acupuncture 2012 – Present.

American Veterinary Medical Association 1995 – Present.

National Wildlife Rehabilitators Association 1994 – Present.

1.3.5.2 Administrative Duties

Veterinary Teaching Hospital

Integrative Medicine and Rehabilitation Service Chief November 2019 – Present.

Restructure service for one-person, and find and schedule locums.

1.3.6 Awards, lectureships, or prizes that show recognition of scholarly achievement

1.3.7 Research Support/Grant Activities

Funded

1. **Hale, L.** Chi University Veterinary Student Acupuncture Training, Chi University, \$3,000.00, February 12, 2021
2. **Hale, L.** Chi University Veterinary Student Acupuncture Training, Chi University, \$3,000.00, October 30, 2020
3. **Hale, L.,** Nevarez, J. G., Dugas, T. Pharmacokinetics of ligustilide from the Chinese herbal Shen Calmer (classical antecedent Tian Wang Bu Xin Dan), after a single-dose oral administration in the American alligator (*Alligator mississippiensis*). Veterinary Clinical Sciences Corps Grant, \$5,000.00, October 2017 - February 2020.

4. **Hale, L.**, Nevarez, J. G., Dugas, T. Pharmacokinetics of ligustilide from the Chinese herbal Shen Calmer (classical antecedent Tian Wang Bu Xin Dan), after a single-dose oral administration in the American alligator (*Alligator mississippiensis*). Dr. Xie's Jing Tang Herbal Co, \$500.00, September 2017 - February 2020.

Cooperative/Collaborator Research Efforts:

Turli, S. Chi Institute for Chinese Research Master's Program, Scholarly. **Hale, L.** Collected data from 30 patients at LSU on TCVM constitution and behavioral characteristics for research project. 2018-2019.

1.3.9 Major areas of research interest:

Traditional Chinese Veterinary Medicine

1.4 Service

1.4.1 Consultantships

Outside referring DVMs; Developed acupuncture/rehab/Tui-na/herbal recommendations for their patients; 2019, 2020.

University of Georgia Veterinary School; Discussed setting up clinical skills learning space, including space requirements, models, handouts, budgets, and manuals; 2018.

Lincoln Memorial University School of Veterinary Medicine; Gave tour of University of Illinois Clinical Skills Learning Center to LMU Dean and two faculty. Discussed space requirements and limitations of current UIUC space. Discussed simulators in use and gave directions to create their own versions of a few in-house models; 2012.

Georgia Rehabilitation of Wildlife (GROW); Consulted on veterinary hospital architectural plans for GROW; 2003 – 2005.

1.4.2 Student organizations advised

Student Integrative Veterinary Medicine Club, 2018 – Present.

Co-advisor Student Integrative Veterinary Medicine Club, University of Illinois, 2015-2016.

1.4.3 Recruitment

Louisiana State University, School of Veterinary Medicine

Applicant Interview, Professional Student Recruitment, 2019, 2021.

Folder Review, Professional Student Recruitment, 2016, 2017, 2020

University of Illinois, College of Veterinary Medicine

Applicant Interview, Professional Student Recruitment, 2016.

1.4.4 University Service

School of Veterinary Medicine

Louisiana State University, School of Veterinary Medicine

Year IV Committee, Committee Member, 2019 – Present.

Clinical Skills Committee, Chair 2017-2020, Member 2015 - Present
Started on committee before officially starting at LSU in 2016. Researched and developed beginning of Clinical Skills Laboratory Courses.

SVM Innovations in Teaching Award, Committee Member, 2020
Review nominations and vote on winner of Innovative Teaching Award.

LSU SVM Academy of Teaching and Learning Funding Committee, Committee Member, 2020.
Review nominations and vote on teaching research to be funded.

Curriculum Review Committee, Committee Member, 2018 -2020
Reviewing entire curriculum and how to align it with current national recommendations.

Working Group for School of Veterinary Medicine PPT Branding, Working with Thomas Rooney and media group, 2018
Developed LSU SVM Power point presentation themes.

Leadership Orientation Experience, 2016, 2017.

University of Illinois, College of Veterinary Medicine

Convocation Hooder, University of Illinois, College of Veterinary Medicine, 2013 - 2015
I was asked by several students each year for the honor of bestowing the DVM hood.

Strategic Planning Committee, Learning and Education subcommittee, Committee Member 2015-2016
University of Illinois College of Veterinary Medicine .

Milestone Committee, Objective Structured Clinical Examination (OSCE) subcommittee, Committee Member 2010-2016
University of Illinois College of Veterinary Medicine. Committee consisted of 7 persons who determined the station content, wrote station scripts, developed checklist of subtasks for each task, and determined points of each subtask. There were two large scale OSCEs every year. I spent approximately 80 hours per OSCE with these committee tasks. Hours are in addition to those listed for OSCEs in VM606 and VM611 .

Department

House Officer Committee, Committee Member, 2017, 2020.

House Officer Selection Committee, House Officer Recruitment, 2017 – Present.

Veterinary Teaching Hospital

Building Committee, Committee Member, 2017 – 2019
Decided on layout for the Clinical Skills Laboratory given the space limitations and provided input on the Integrative Medicine and Rehabilitation service space.

1.4.5 Professional Service

1.4.5.1 Advisory Boards, Commissions, Agencies, Consultantships

Georgia Rehabilitation of Wildlife (GROW); Advisory Board Member 2003 – 2006.

1.4.5.2 Journals Edited, Manuscripts Refereed, Books and Proposals Reviewed

Manuscripts Reviewed (ad hoc)

Journal of Veterinary Medicine (Japan), Reviewed one manuscript 2019.

1.4.6 Other External Service

National Wildlife Rehabilitators Association
Board Member, 2009 - 2013
Chair - Advisory Committee, 2009 - 2011
Chair - By-Laws Committee, 2009 - 2013
Scholarship Committee, 2009 - 2013
Co-chair, Chair Veterinary Committee, 2011 - 2013

Member Veterinary Committee, 1995 – Present.

Louisiana Wildlife Rehabilitators Association
President, 2003 – 2006.

Baton Rouge Veterinary Medicine Association
Vice President, 2002
President, 2003.

WISE: Women In Science and Engineering Career Fair at West Feliciana High School, Speaker, 2018
Represented LSU School of Veterinary Medicine. Answered questions about women in veterinary careers and research. Reached about 100 young women in West Feliciana High School. 2-hour program.

Bains Elementary Library Scholastic Book Fair, Assistant, 2017.

Bains Elementary School Junior Beta Club 2017 Convention, Chaperone of 5th grade class, 2017.

La. State Animal Response Team (LSART), Member, 2016
Flood of 2016.

ST. Joseph, IL Recreational Youth Soccer – coach, 2012 – 2016.

ST. Joseph Elementary School Library Scholastic Book Fair, Assistant, 2012 – 2016.

Girl Scouts of America - local troop 2184, Co-leader, 2011 – 2016.

Grace Lutheran Church Pastor Intern Committee, Committee Member, 2012 – 2013.

4-H Summer Program, Instructor, 2011, 2012 1-week camps
"Introduction to Clinical and Surgical Skills", 4-H of Illinois, University of Illinois Urbana-Champaign, College of Veterinary Medicine, July 2011, 2012
Developed and implemented a Clinical Skills 8-hour program for 4-H summer camp at University of Illinois. Square knots, simple interrupted and cruciate suture patterns. Bovine and equine haltering, bovine rope casting, and quick release and bowline knots used for restraint. IV catheter placement.

St. Paul Lutheran Church Council, Financial Secretary, 1999 – 2006.

Louisiana Capital City Obedience Club,
Officer, President/Elect/Past, 2003 – 2004
Instructor, Puppy Class 1999 – 2005.

1.4.6.1 Science Fairs Judged

Louisiana State University Discovery Day, Judge, 2020

Lay Presentations

Acupuncture demonstration, LSU School of Veterinary Medicine, Open House, Speaker, Virtual, January 2021

Discussed the integrative medicine service and demonstrated how we examine and treat a patient.

Hyperbaric Oxygen Therapy Demonstration, LSU School of Veterinary Medicine, Speaker, Open House, Virtual, January 2021

Discussed the uses for the HBOT and a showed a patient receiving treatment.

Pets and Vets Summer Camp, LSU School of Veterinary Medicine, Speaker, 2018

Demonstrated acupuncture in canine patient to summer camp attendees. 1-hour program.

Media Contributions

A winning hunter, severely injured, makes a strong comeback with acupuncture and rehabilitation therapy. LSU SVM Web Site, December 2020

Blue healed after receiving emergency services and then acupuncture after attack by neighbor's dog. LSU SVM Web Site, December 2020

History of Traditional Chinese Veterinary Medicine and its current impact on veterinary medicine, LSU SVM Diversity, Asian-American Month May 27, 2020.

Kirbi the cat gets relief with regular acupuncture treatments at LSU Veterinary Teaching Hospital. LSU SVM Web site, July 30, 2020.

Mentoring Professional Students

Louisiana State University, School of Veterinary Medicine

2021 White Coat Ceremony Mentor

2018 Class of 2022, 3 Mentees.

University of Illinois, College of Veterinary Medicine

Assigned as mentor to three to four Year 4 students per year. Assist with externship selections, overseeing completion of externship assignments, and grading. 2013-2016.

Other Awards

Georgia Rehabilitation of Wildlife Certificate of Appreciation, Atlanta, GA,
March 2005.

Wings of Hope (Wildlife Rehabilitation Center) Certificate of Appreciation,
Livingston, LA, May 2004.