



CURRICULUM VITAE

Lezlee G. Coghlan, DVM, MS

PRESENT TITLE AND AFFILIATION

Primary Appointment

Associate Professor, Department of Molecular Carcinogenesis, The University of Texas
MD Anderson Cancer Center, Smithville, TX

Dual/Joint/Adjunct Appointment

Associate Professor, Department of Pathobiology, College of Veterinary Science, Texas A&M
University, College Station, TX

CITIZENSHIP

United States

EDUCATION

Degree-Granting Education

Texas A&M University, College Station, TX, BS, 1978, Biomedical Science

Texas A&M University, College Station, TX, BS, 1982, Veterinary Science

Texas A&M University, College Station, TX, DVM, 1984, Veterinary Medicine

Texas A&M University, College Station, TX, MS, 1984, Lab Animal Medicine

Postgraduate Training

Research Residency, Dual DVM/MS Program & Postdoctoral Fellowship in Laboratory Animal
Medicine, Texas A&M University, College Station, TX, Dr. Gary Joiner, School of Veterinary
Medicine, Dept Vet-Public Health and Dr. David N. McMurray, School of Medicine, Dept of
Medical Microbiology & Immunology, Advisors, 9/1980-12/1984

Pathology of Laboratory Animals, Armed Forces Institute of Pathology, Washington, DC, 1987-
1987

CREDENTIALS

Board Certification

Veterinary Accreditation, USDA, APHIS, Veterinary Services, 5/1984

Diplomate, American College of Laboratory Animal Medicine (ACLAM), 7/1999, Recertification
Date: 2004

Licensures

Active

Texas State Board of Veterinary Medical Examiners, TX, #5460, 1984

Inactive

N/A

EXPERIENCE/SERVICE

Academic Appointments

Instructor, Department of Veterinary Sciences, Veterinary Division - Bastrop, The University of
Texas M. D. Anderson Cancer Center, Bastrop, TX, 1985-1989

Associate Professor, Department of Veterinary Public Health, Texas A&M University, College
Station, TX, 1985-2004

Assistant Professor, Department of Veterinary Sciences, Veterinary Division - Bastrop, The University of Texas M. D. Anderson Cancer Center, Bastrop, TX, 1989-1992

Associate Professor, Department of Veterinary Sciences, The University of Texas M. D. Anderson Cancer Center, Bastrop, TX, 1992-2001

Associate Professor, Department of Molecular Carcinogenesis, The University of Texas MD Anderson Cancer Center, Smithville, TX, 2001-present

Associate Professor, Department of Pathobiology, College of Veterinary Science, Texas A&M University, College Station, TX, 2005-present

Administrative Appointments/Responsibilities

Acting Chief, Department of Veterinary Resources, Section of Laboratory Animal Medicine, The University of Texas M. D. Anderson Cancer Center, Bastrop, TX, 9/1985-8/1986

Chief, Department of Veterinary Resources, Section of Laboratory Animal Medicine, The University of Texas M. D. Anderson Cancer Center, Bastrop, TX, 1986-2001

Deputy Department Chairperson, Department of Veterinary Sciences, The University of Texas M. D. Anderson Cancer Center, Bastrop, TX, 1992-2000

Director of Veterinary Services, Department of Carcinogenesis, Science Park Research Division, The University of Texas M. D. Anderson Cancer Center, Smithville, TX, 2000-2001

Director of Animal Resources, Department of Molecular Carcinogenesis, Science Park, The University of Texas MD Anderson Cancer Center, Smithville, TX, 3/2001-present

Other Appointments/Responsibilities

Member, Committee on Laboratory Animal Technicians (COLAT), American Association for Laboratory Animal Sciences (AALAS), Memphis, TN, 1989-1991

Member, AALAS COLAT Seminar Committee, Memphis, TN, 1989-1991

Program Chair, AALAS COLAT Seminar Committee, Memphis, TN, 1990

Board of Directors, Association for Gnotobiotics, Madison, WI, 1992-1995

Board of Directors, Texas Society for Biomedical Research, Austin, TX, 1995-2007

Chair, University of Texas Animal Resources Research Program Review, Austin, TX, 1996

Associate Member/Faculty, Graduate School of Biomedical Sciences, Houston, TX, 1997-present

Program Member/Molecular Carcinogenesis, Graduate School of Biomedical Sciences, Houston, TX, 2001-present

Training Program Faculty, Laboratory Animal Medicine Residency, Texas A&M, College of Veterinary Medicine, College Station, TX, 2005-present

Member, IBS, Center for Environmental & Molecular Carcinogenesis, Houston, TX, 2010-present

Endowed Positions

N/A

Consultantships

El Cerrito Animal Clinic, Bryan, Contract Veterinarian, 6/1984-1/1985

Dermigen, Inc, Smithville, Consultant, 1990-1993

Various Institutions (over 100), Domestic and International, Consultant, eradication of endoparasites and ectoparasites in experimental rodent colonies, 1/1991-present

Association for Assessment and Accreditation of Laboratory Animal Care (AAALAC), Rockville, Ad Hoc Consultant/Specialist/Site Visitor, 1995-1998

Stratagene, Inc, Bastrop, Consultant, 1998-1999

Texas Heart Institute, Houston, TX, Consultant, methodology in polyclonal and monoclonal antibody production, 1998-1999

University of Texas, Austin, TX, Consultant to Search Committee, Animal Resource Director, 2004-2005

American Medical Systems, Minnetonka, Minnesota, Consultant, 2008-2009

Military or Other Governmental Service

N/A

Institutional Committee Activities

Institutional Animal Care and Use Committee, Member, 1985-1987

Animal Resources and Facilities Advisory Committee, Member, 1985-2002

Biosafety Committee, Chemical Carcinogenesis Subcommittee, Member, 1985-2003

Institutional Animal Care and Use Committee, Ex Officio, 1987-1989

Institutional Animal Care and Use Committee, Member, 1989-1991

Institutional Animal Care and Use Committee, Alternate Member, 1991-2000

Curriculum Committee for Veterinary Medicine Trainees, Dept of Veterinary Medicine & Surgery, Member, 9/1995-2007

Faculty Senate, Member, 1997-2000

ECFS Subcommittee on Oversight of Animal Care and Use, Member, 4/2000-8/2000

Institutional Animal Care and Use Committee, Member, 9/2000-8/2008

Animal Resources and Facilities Advisory Committee - Science Park, ARFAC Chair, 2003-2010

Breeding Colony Management Software Development Working Group, Member, 2004-5/2007

Information Resources Advisory Committee, Member, 2005-present

Animal Resource Strategic Advisory Committee, Member, 2006-2008

Institutional Animal Care and Use Committee, Ex Officio, 9/2008-present

Animal Resources and Facilities Advisory Committee, Member, 2011-present

IACUC Blue Ribbon Panel Review Committee, Member, 3/2012-5/2012

HONORS AND AWARDS

N/A

RESEARCH

Grants and Contracts

Funded

Investigator, 55%, Cancer Center Support Grant-Research Animal Support Facility, 2 P30 CA16672-38, NIH/NCI, PI - R. DePinho, 7/1/2008-6/30/2018, \$1,363,064 (\$271,677/year)

Core Leader, Supplement for Phase I Mutant Mouse Pathology, Cancer Center Support Grant (CCSG) Core Grant, NIH/NCI, PI - Co-I - Kusewitt, 7/1/2008-6/30/2018 (\$25,704/year)

Core Leader, Supplement for RASFS Genetic Services (PC-47), Cancer Center Support (CCSG) Core Grant, NIH/NCI, PI - Co-I Benavides, 7/1/2008-6/30/2018 (\$49,247/year)

Principal Investigator, Modeling esophageal pre-cancer and cancer in miniature swine, Cockrell Foundation, 9/2010-present, \$50,000 (\$50,000/year)

Co-Investigator, 5%, Optical Systems for In Vivo Molecular Imaging of Cancer, 5 R01 CA103830-06, NIH/NIBIB, PI - R. Richards-Kortum, 9/23/2011-7/31/2016 (\$250,000/year)

Co-Principal Investigator, 1%, Characterization of the DNA Damage Response in Porcine Cells Expressing Mutant p53, Exemplar Genetics, PI - Kusewitt, 5/11/2012-5/10/2014, \$2,700 (\$2,700/year)

Principal Investigator, 10%, Genetically engineered pigs as preclinical models of human cancer, Moonshot: Knowledge Gap Award, 7/1/2013-6/30/2014, \$100,000 (\$100,000/year)

Pending

N/A

Other

N/A

Completed

Co-Investigator, 10%, Optical Systems for In Vivo Molecular Imaging of Cancer, N01 PAR-30-032-01, NIH/NIBIB, PI - R. Richards-Kortum, 8/1/2004-7/31/2010, \$9,708,197 (\$132,227/year)

Co-Investigator, 0.6 months, Detoxification of Electrophilic Chemical Threat Agents by Nucleophilic Scavengers, NS058191, NIH/NIEHS, PI - Michael MacLeod, 9/30/2006-5/31/2011, \$1,875,000 (\$364,128/year)

Consultant, Mechanisms of ATF3-induced Mammary Tumorigenesis, R01 CA116620, NIH/NCI, PI - M. MacLeod, 12/5/2006-11/30/2011, \$1,250,000 (\$175,000/year)

Collaborator, 0.6 months, Slug Modulates the Acute Cutaneous Response to Ultraviolet Radiation, R21 AR054361-01A2, NIH/NIAMS, PI - Donne Kusewitt, 9/15/2008-6/30/2010, \$275,000 (\$110,000/year)

Consultant, P53 and KRAS targeted pigs: A platform for models of human cancer, SBIR R43, Phase I only, Exemplar Genetics, PI - Rogers, 9/1/2012-5/31/2013, \$105,750 (\$105,750/year)

Not Funded

Co-Investigator, 2%, Enhanced Precancer Detection using Theoretical & Experimental Models for Depth Sensitive Optical Spectroscopy, NIH/Recovery Act, PI - Nieman, 9/1/2009-8/31/2011, \$689,509 (\$378,094/year)

Principal Investigator, Modeling esophageal pre-cancer and cancer in miniature swine, G.S. Hogan Gastrointestinal Research Fund, 5/1/2010-4/30/2011, \$100,000 (\$100,000/year)

Co-Investigator, Optical systems for in vivo molecular imaging of cancer, 2R01 CA103830-06, NIH/NCI, PI - R. Richards-Kortum, 12/1/2010-11/30/2015, \$1,250,000 (\$250,000/year)

Co-Investigator, p53 Targeted Pigs: A platform for models of human cancers, SBIR R43 Phases I and II, Exemplar Genetics, PI - Rogers, 4/1/2011-3/31/2014, \$1,000,000 (\$103,147/year)

Co-Investigator, 2%, Detoxification of Electrophilic Chemical Threat Agents by Nucleophilic Scavengers, 1 U01 NS058191-06, NIH/NINDS, PI - M. MacLeod, 6/1/2011-5/31/2016, \$2,500,000 (\$500,000/year)

Principal Investigator, Modeling esophageal pre-cancer and cancer in miniature swine, G.S. Hogan Gastrointestinal Research Fund, 8/1/2011-7/31/2012, \$100,000 (\$100,000/year)

Advocate, Defining genetic and epigenetic driver events in DCIS progression, Susan G. Komen Breast Cancer Foundation, PI - Aldaz, 7/1/2013-6/30/2017, \$1,000,000 (\$250,000/year)

Protocols

Funded

Principal Investigator, Swine Models of Carcinogenesis, 07-05-06923, 2005-2013, \$241,040, Cockrell Allotment (\$50,000); Incentive Award (\$91,040); Knowledge Gap (\$100,000)

Principal Investigator, Shared Production Colonies - Mouse, 03-02-04033, 2008-2011, \$815,031 (\$271,677/year), NIH P30 CA016672

Principal Investigator, Shared Production Colonies - Rat, 03-02-03942, 2008-2011, \$815,031 (\$271,677/year), NIH P30 CA016672

Principal Investigator, Rat Model for Bladder Carcinogenesis, 08-08-09241, 2008-2014, \$97,500 (\$19,500/year), NIH

Principal Investigator, Proprietary - Studies for Treatment of Ecto and Endoparasitism in Mice, 09-97-07635, 2009-2012, \$815,031 (\$271,677/year), NIH P30 CA016672

Unfunded
N/A

Patents and Technology Licenses

Patents

Abbot Laboratories, Margaret Hanausek-Walaszek and Lezlee G. Coghlan. Diagnostic and Premonitoring Uses of a 65 Kda Tumor-Associated Protein in Companion and Domestic Animal Malignancy, United States, 5,411,868, 2/23/1995, Issued

Xpention Genetics, Inc, Margaret Hanausek-Walaszek, Lezlee G. Coghlan, Thomas J. Slaga, and Zbigniew Walaszek. Tumor Marker Protein and Antibodies Thereto for Cancer Risk Assessment or Diagnosis, United States, 5,773,215, 5/1/2007, Issued

Technology Licenses

Enabling disclosures issued to 29 sites, Lezlee G. Coghlan, Treatments for Internal and External Parasitic Agents in Laboratory Rodents, MDA00-055, 2001-2005

None, Lezlee G. Coghlan, Kenneth C. Wright, Andras Konya and Jens Boving, Gene-therapy fistula, gene-therapy port, organ-port, IDR98:032

None, Lezlee G. Coghlan, New method of identifying individual rodents, MDA 03-087

None, Lezlee G. Coghlan, Rodent feed block and hanger, IDR98:014

Grant Reviewer/Service on Study Sections

Committee for the National Cancer Institute, Department of Public Health and Human Services, PHS, NIH, Ad Hoc Member, 1993

Review Committee for the National Institute of Aging (NIA), NIH, Ad Hoc Member, 2003

PUBLICATIONS

Peer-Reviewed Original Research Articles

1. Carlomagno MA, Coghlan LG, McMurray DN. Chronic zinc deficiency and listeriosis in rats: acquired cellular resistance and response to vaccination. *Med Microbiol Immunol (Berl)* 175(5):271-80, 1986.
2. Coghlan LG, Carlomagno MA, McMurray DN. Effect of protein and zinc deficiencies on vaccine efficacy in guinea pigs following pulmonary infection with *Listeria*. *Med Microbiol Immunol* 177(5):255-63, 1988.
3. Coghlan LG, Hanausek M. Subcutaneous immunization of rabbits with nitrocellulose paper strips impregnated with microgram quantities of protein. *J Immunol Methods* 129(1):135-8, 5/1990.
4. Wargovich MJ, Satterfield W, Price RE, Stephens LC, Coghlan L. Hepatic pathology of the colon carcinogen, azoxymethane, in Hanford-Moore miniature pigs. *J Comp Pathol* 105(3):271-8, 1991.
5. Richie ER, McEntire BB, Coghlan L, Poenie M. Murine T-lymphomas corresponding to the immature CD4-8+ thymocyte subset. *Dev Immunol* 1(4):255-63, 1991. PMID: PMC2275839.
6. Coghlan LG, Lee DR, Psencik B, Weiss D. Practical and effective eradication of pinworms (*Syphacia muris*) in rats by use of fenbendazole. *Lab Anim Sci* 43(5):481-7, 10/1993.
7. Binhazim AA, Coghlan LG, Walker C. Spontaneous hemangiosarcoma in the tail of a Long-Evans rat carrying the Eker mutation. *Lab Anim Sci* 44(2):191-4, 4/1994.
8. Binhazim AA, Rizvi TA, Coghlan LG, Lew K, Schmidt R, Wong PK. Rhesus thymic/liver xenografts in severe combined immunodeficient mice: immunologic reconstitution and intrathymic infection with simian immunodeficiency virus. *Lab Invest* 75(3):339-48, 9/1996.
9. Rundhaug JE, Gimenez-Conti I, Stern MC, Budunova IV, Kiguchi K, Bol DK, Coghlan LG, Conti CJ, DiGiovanni J, Fischer SM, Winberg LD, Slaga TJ. Changes in protein expression during multistage mouse skin carcinogenesis. *Mol Carcinog* 20(1):125-36, 9/1997.

10. Stern MC, Gimenez-Conti IB, Budunova I, Coghlan L, Fischer SM, DiGiovanni J, Slaga TJ, Conti CJ. Analysis of two inbred strains of mice derived from the SENCAR stock with different susceptibility to skin tumor progression. *Carcinogenesis* 19(1):125-32, 1/1998.
11. Chen Y, Martinez LA, LaCava M, Coghlan L, Conti CJ. Increased cell growth and tumorigenicity in human prostate LNCaP cells by overexpression to cyclin D1. *Oncogene* 16(15):1913-20, 1998.
12. Hill LR, Kille P, Weiss DA, Craig TM, Coghlan LG. Demodex musculi in the skin of transgenic mice (COVER PHOTO). *Contemp Top Lab Anim Sci* 38(6):13-8, 11/1999.
13. Klug DB, Crouch E, Carter C, Coghlan L, Conti CJ, Richie ER. Transgenic expression of cyclin D1 in thymic epithelial precursors promotes epithelial and T cell development. *J Immunol* 164(4):1881-8, 2/2000.
14. Coghlan LG, Gimenez-Conti I, Kleiner HE, Fischer SM, Rundhaug JE, Conti CJ, Slaga TJ, DiGiovanni J. Development and initial characterization of several new inbred strains of SENCAR mice for studies of multistage skin carcinogenesis. *Carcinogenesis* 21(4):641-6, 4/2000.
15. Hill LR, Weiss D, Coghlan LG. Differences in rodent cage changout results. *Contemp Top Lab Anim Sci* 39(4):7, 7/2000.
16. Benavides F, Stern MC, Glasscock E, DiGiovanni J, Coghlan LG, Conti CJ. Microsatellite DNA variants between the inbred SENCAR mouse strains. *Mol Carcinog* 28(4):191-195, 8/2000.
17. Coghlan L, Utzinger U, Drezek RA, Heintzelman D, Zuluaga AF, Brookner C, Richards-Kortum R, Gimenez-Conti I, Follen M. Optimal excitation wavelengths for detection of squamous intra-epithelial neoplasia: results from an animal model. *Optics Express* 7(12):436-46, 12/2000.
18. Benavides F, Glasscock E, Coghlan LG, Stern MC, Weiss DA, Conti CJ. PCR-based microsatellite analysis for differentiation and genetic monitoring of nine inbred SENCAR mouse strains. *Lab Anim* 35(2):157-62, 4/2001.
19. Coghlan L, Utzinger U, Richards-Kortum R, Brookner C, Zuluaga A, Gimenez-Conti I, Follen M. Fluorescence spectroscopy of epithelial tissue throughout the dysplasia- carcinoma sequence in an animal model: Spectroscopic changes precede morphologic changes. *Lasers Surg Med* 29(1):1-10, 2001.
20. Hill LR, Coghlan LG, Baze WB. Perineal swellings in two strains of mice. *Contemp Top Lab Anim Sci* 41(1):51-3, 1/2002.
21. Park SY, Aaron J, Markey MK, Richards-Kortum R, Sokolov K, Mackinnon N, MacAulay C, Coghlan L, Milbourne A, Follen M. Multispectral digital microscopy for in vivo monitoring of oral neoplasia in the hamster cheek pouch model of carcinogenesis. *Opt Express* 13(3):749-62, 2/2005.
22. Patrawala L, Calhoun T, Schneider-Broussard R, Li H, Bhatia B, Tang S, Reilly JG, Chandra D, Zhou J, Claypool K, Coghlan L, Tang DG. Highly purified CD44+ prostate cancer cells from xenograft human tumors are enriched in tumorigenic and metastatic progenitor cells. *Oncogene* 25(12):1696-708, 3/2006.
23. Lomada D, Liu B, Coghlan L, Hu Y, Richie ER. Thymus medulla formation and central tolerance are restored in IKKalpha-/- mice that express an IKKalpha transgene in keratin 5+ thymic epithelial cells. *J Immunol* 178(2):829-37, 1/2007.
24. Aaron J, Nitin N, Travis K, Kumar S, Collier T, Park SY, Jose-Yacamán M, Coghlan L, Follen M, Richards-Kortum R, Sokolov K. Plasmon resonance coupling of metal nanoparticles for molecular imaging of carcinogenesis in vivo. *J Biomed Opt* 12(3):034007, 6/2007.
25. Carlson AL, Coghlan LG, Gillenwater AM, Richards-Kortum RR. Dual-mode reflectance and fluorescence near-video-rate confocal microscope for architectural, morphological and molecular imaging of tissue. *J Microsc* 228(Pt 1):11-24, 10/2007.
26. Regunathan R, Woo J, Pierce MC, Polydorides AD, Raoufi M, Roayaie S, Schwartz M, Labow D, Shin D, Suzuki R, Bhutani MS, Coghlan LG, Richards-Kortum R, Anandasabapathy S, Kim MK. Feasibility and preliminary accuracy of high-resolution imaging of the liver and pancreas using FNA compatible microendoscopy (with video). *Gastrointest Endosc* 76(2):293-300, 2012.

27. Boulware SB, Christensen LA, Thames H, Coghlan L, Vasquez KM, Finch RA. Triplex-forming oligonucleotides targeting c-MYC potentiate the anti-tumor activity of gemcitabine in a mouse model of human cancer. Mol Carcinog. e-Pub 5/2013.

Invited Articles

1. Tomasovic SP, Coghlan LG, Gray KN, Mastromarino AJ, Travis EL. IACUC evaluation of experiments requiring death as an end point: A cancer centers recommendations. Lab Animal 17:31-4, 1988.
2. Bloomsith MA, Coghlan LG. Protocol Review: Problematic housing. Can monkeys answer the question does home care beat day care? . Lab Anim 24(7):20-1, 1995.

Editorials

N/A

Other Articles

N/A

Abstracts

N/A

Book Chapters

1. Graham L. In: Birds. American Association for Laboratory Animal Science, 326-37, 1984.
2. Coghlan LG. Chapter 8. In: Birds. American Association for Laboratory Animal Science, 59-65, 1990.
3. Coghlan LG. Animal Models of Human Cancer. In: Handbook of Laboratory Animal Science, Third Edition. Ed(s) J Hau, SJ Schapiro. CRC Press: United States. In Press.

Books (edited and written)

N/A

Letters to the Editor

1. . Lab Animal 24:44, 1995.
2. . Contemporary Topics 39:7, 2000.

Manuals, Teaching Aids, Other Teaching Publications

1. Donahue WA, VanGundy DN, Satterfield WC, Coghlan LG. Solving a tough problem. Pest Control. 57, 46-50, 1989.
2. Wright KC, Satterfield WC, Gray KG, Coghlan LG, Mastromarino AJ, Le Blanc SA, Hill MJ. Animal Care and Use Handbook for Investigators, 7/1998.

Other Publications

N/A

EDITORIAL AND REVIEW ACTIVITIES

Editor/Service on Editorial Board(s)

N/A

Member of Editorial Review Board

N/A

Journal Reviewer

Ad hoc Reviewer, Laboratory Animal Science, 1993-1999
Ad hoc Reviewer, Comparative Medicine, (02/06, 07/07), 2000-2007
Ad hoc Reviewer, Molecular Carcinogenesis, (09/05, 11/05), 2005
Reviewer, Contemporary Topics in Laboratory Animal Medicine, 2005
Ad hoc Reviewer, ILAR Journal, (06/06), 2006
Ad hoc Reviewer, AALAS, 2006: 03/06, 07/06; 2008: 03/08, 2006-2008
Ad hoc Reviewer, JAALAS, 12/2012, 2012

Other Editorial and Review Activities

N/A

TEACHING

Teaching Within Current Institution - GSBS

Formal Teaching

Courses Taught

Instructor, Animal Care and Use Compliance Training, UT MD Anderson, Science Park
Research Division, Course Number: Summer Orientation
Summer, 1989-present

Instructor, Human Gene Therapy, GSBS, Course Number: GS 040153
Spring, 1998-2003

Instructor, Ethics in Research, GSBS, Course Number: GSBS 210051, Course Hours: 1
2001-2006

Discussion Leader, Ethical Dimensions of the Biomedical Sciences, GSBS, Course
Hours: 1.5
2008

Lecturer, Introduction to Pathology, GSBS, Course Number: GS120144, Course Hours: 6
Fall, 2008

Discussion Leader, Ethical Dimensions of the Biomedical Sciences, GSBS, Course
Hours: 1.5
2010

Lecturer, Introduction to Pathology, GSBS, Course Hours: 6
2010

Discussion Leader, Ethical Dimensions of the Biomedical Sciences, GSBS, Course
Hours: 1.5
2011

Lecturer, Introduction to Pathology, GSBS, Course Number: GS12-0144, Course Hours: 4
Spring, 2012

Lecturer, Molecular Methods & Biotechniques, GSBS, Course Number: GS 040183,
Course Hours: 1.5
Spring, 2012

Training Programs

N/A

Other Formal Teaching

N/A

Supervisory Teaching

Committees

Advisory Committees

Member, Thesis, GSBS, Melissa West, 1998-2001

Supervisory Committees

N/A

Examining Committees

N/A

Direct Supervision

Undergraduate and Allied Health Students

N/A

Medical Students

N/A

Graduate Students

N/A

Postdoctoral Research Fellows

N/A

Clinical Residents and Fellows

Mentor, Residency in Laboratory Animal Medicine, Lori Hill, D.V.M, 5/1998-8/1998

Other Supervisory Teaching

Tutor, Graduate Student Tutorial, GSBS, Melissa West, Graduate Students, 3/1998-6/1998

Teaching Outside Current Institution

Formal Teaching

Courses Taught

Instructor, Management, Husbandry and Medicine of Laboratory Animals Segment, Texas A&M University, Course Number: VMID 941

1978-1980

1984

Instructor, Surgical Support Short Course, Texas A&M

1979

Guest Lecturer, Biology and Diseases of Rodents Segment, Texas A&M University

1985-1999

Instructor, Biosafety Lecture/Presentation and Laboratory, Elgin High School

1994-1997

Guest Lecturer, Career Opportunities in the Biomedical Sciences, Texas A&M University

2000-2003

Training Programs

Instructor, Biomedical Science for Pre-Veterinary Students, Texas A&M

1985-1987

Instructor, Laboratory Animal Medicine Clerkship Program, Texas A&M University, Course Number: VMID 941

1985-1987

Instructor, Veterinary Externship Program for Senior Vet Students, Texas A&M University

1985-1990

Instructor, Laboratory Animal Management Externship Program, Texas A&M University

1990-1992

Instructor, Laboratory Animal Technicians and Technologists Certification, American Association for Laboratory Animal Science (AALAS)

1995-2001

Instructor, Laboratory Animal Medicine, Texas A&M University, Course Number: VAPH 418

2001-2003

Other Formal Teaching

Adjunct Faculty, Postdoctoral Training Program in Laboratory Animal Medicine, Texas A&M University

2004-present

Supervisory Teaching

Committees

Advisory Committees

N/A

Supervisory Committees

N/A

Examining Committees

N/A

Direct Supervision

Undergraduate and Allied Health Students

N/A

Medical Students

N/A

Graduate Students

N/A

Postdoctoral Research Fellows

N/A

Clinical Residents and Fellows

Mentor, Laboratory Animal Medicine, Veterinary Program, Texas A&M, Robert Rose, DVM, 2004-6/2008

Mentor, Laboratory Animal Medicine, Veterinary Program, Texas A&M Veterinary Program, Tennille Lamon, DVM, 6/2005-8/2008

Mentor, Laboratory Animal Medicine, Veterinary Degree Program, Texas A&M, Christine Sivula, DVM, 6/2006-8/2006

Other Supervisory Teaching

Tutor, Graduate Student Tutorial, Texas A&M University, Robert Rose, D.V.M, Postdoctoral Research Fellows, 7/2004

Tutor, Graduate Student Tutorial, Texas A&M University, Tennille Lamon, D.V.M., 7/2005

CONFERENCES AND SYMPOSIA

Organization of Conferences/Symposia (Include chairing session)

American Association for Laboratory Animal Science, Committee on Laboratory Animal Technicians (COLAT) Seminar Committee 1989-1991, Member, 1/1989

Texas Branch American Association for Laboratory Animal Science, Annual Meeting, Fort Worth, TX, Chair, Program Committee, 5/1989

American Association for Laboratory Animal Science Annual Meeting, Shaping Animal Behaviors to Decrease Stress in the Laboratory Routine, Little Rock, AR, Organizer, 10/1989

American Association for Laboratory Animal Science, Committee on Laboratory Animal Technicians (COLAT) Seminar Committee, Program Chairperson, 1990

American Association for Laboratory Animal Science, "COLAT-sponsored seminar - "Training the Trainers", Buffalo, NY, Leader, 10/1991

National Institutes of Health and The University of Texas Health Science Center, Ethical Perspectives" Conference, Houston, TX, Workshop Moderator, 12/1991

Texas Society for Biomedical Research, Crisis Management/Disaster Planning/Communications Workshop, Austin, TX, Moderator, 1/1999

Presentations at National or International Conferences

Invited

Acquisition of CD4 expression by CD8+CD-JIIId+ murine lymphoma lines after intrathymic transfer, Midwinter Conference of Immunologists, San Francisco, CA, 1/1/1989

Hepatotoxicity of the colon carcinogen, azoxymethane, in the Hanford-Moore miniature swine, Annual Meeting, American Gastroenterological Association, Washington, DC, 5/1/1990

Polyclonal antibody production in rabbits comparing two adjuvant systems with Freund's adjuvant, 41st Annual Meeting, American Association for Laboratory Animal Science, Milwaukee, WI, 10/1/1990

Invited Workshop Moderator, Dilemmas in Rodent Research: Scientific, Regulatory, Ethical Perspectives, NIH and UT Health Science Center, Houston, TX, 1991

Alternatives to conventional blood collection techniques in the rat, rabbit, and cynomolgus macaque, 42nd Annual Meeting, American Association for Laboratory Animal Science, Buffalo, NY, 10/1/1991

The use of portable two-way FM radios as a communication tool in animal facility management, 44th Annual Meeting, American Association for Laboratory Animal Science, Nashville, TN, 11/1/1993

In vivo fluorescence EEM collection of normal and cancerous epithelial tissues in the hamster cheek pouch model, 29th Meeting, Society of Gynecologic Oncologists, Orlando, FL, 1998

In vivo fluorescence EEM collection of normal and cancerous epithelial tissue in a hamster cheek pouch model, 29th Meeting, OSA Topical Meeting on Biomedical Optical Spectroscopy and Diagnostics, Orlando, FL, 3/1/1998

Moderator, Crisis Management/Disaster Planning/Communications Workshop, Texas Society for Biomedical Research, Austin, TX, 1999

The Science of Husbandry - Evaluating the Need to Revise Current Guide for the Care and Use of Laboratory Animals, 57th Annual AAALAS, 57 Annual AAALAS, Salt Lake City, UT, 10/15/2006

Other, Including Scientific Exhibitions

Sex hormones influence the incidence of N-methyl-N-nitrosourea-induced lymphomas in AKR mice, Annual Meeting, American Association for Cancer Research, Orlando, FL, 5/1/1993

Spontaneous hemangiosarcoma in the tail of a Long-Evans rat bearing the Eker mutation, 44th Annual Meeting, American Association for Laboratory Animal Science, Nashville, TN, 11/1/1993

In vivo fluorescence EEM collection of normal and cancerous epithelial tissues in hamster cheek pouch model, Engineering Foundation Conference, Engineering Foundation, Snowbird, UT, 7/1/1997

The use of animal models in cancer research, Conference for the Advancement of Science Teaching, National Center for Research Resources, Corpus Christi, TX, 11/11/2004

The use of animals in research, Conference for the Advancement of Science Teaching, National Center for Research Resources, Houston, TX, 10/27/2005

Coghlan LG, Kusewitt DF, Portis MJ, Bhutani MS, Borne A, Uthamanthil R. Development of a Swine Model of Esophageal Pre-Cancer, University of Illinois, Swine in Biomedical Research International Conference, Chicago, IL, 5/17/2011

Gehlott P, Tinkey PT, Avritscher R, Hwang K, Stafford JR, Wright KC, Borne A, Coghlan LG, Uthamanthil RK. Radiological, histological and molecular characterization of a swine HCC model, Swine in Biomedical Research International Conference, July 17-19, Chicago, IL, 7/18/2011

Seminar Invitations from Other Institutions

Management of Transgenic and Barrier Housed Rodents, Scott & White, Obstetrics and Gynecology, Temple, TX, 11/13/1998

The Challenge of Integration: GEM User and Animal Resource, Charles River Symposium on Genetically Modified Rodents, Texas A&M University, College Station, TX, 4/9/2003

Serial in vivo colposcopic images of carcinogen-treated hamster cheek pouch, Experimental Radiation Oncology Workshop, Round Top, TX, 4/15/2004

Optical Imaging of Early Epithelial Cancers, College of Veterinary Medicine, Texas A&M University, Pathobiology, College Station, TX, 2/22/2005

Managing Mouse Production Colonies, Advances in Oncology institutional Grand Rounds, MD Anderson Cancer Center, Houston, TX, 5/13/2005

Modeling esophageal and other high mortality cancers in miniature swine, Texas A&M University, College of Veterinary Medicine, College Station, TX, 4/26/2011

Lectureships and Visiting Professorships

Laboratory Animal Science and Preventive Medicine (VAPH 418), 1985-2003, Texas A&M University, College of Veterinary Medicine, College Station, TX

Other Presentations at State and Local Conferences

A quality assurance program for experimental animals, Part 1: Animal Aspects, 25th Annual Meeting, Coghlan LG, Keeling, Hansen ME and Weiss DA, Texas Branch American Association for Laboratory Animal Science, San Antonio, TX, 5/1/1987

A quality assurance program for experimental animals, Part II: Inanimate aspects and operational services, 25th Annual Meeting, Weiss DA, Coghlan LG, Herring, DL, and Hill, MJ, Texas Branch American Association for Laboratory Animal Science, San Antonio, TX, 5/1/1987

Use of the insect growth regulator for hydroprene for cockroach control in a multi-species laboratory animal facility., 26th Annual Meeting, Coghlan LG, Satterfield WC, Beck T, and Keeling ME, Texas Branch American Association for Laboratory Animal Science, Houston, TX, 5/1/1988

Antibody production using subcutaneous SDS-PAGE nitrocellulose electroblots, 27th Annual Meeting, Hanausek-Walaszek M, and Coghlan LG, Texas Branch American Association for Laboratory Animal Science, Fort Worth, TX, 5/1/1989

Treatment of Syphacia murins in rats with fenbendazole, 29th Annual Meeting, Psencik B, Bulak H, Lee DR, and Coghlan LG, Texas Branch American Association for Laboratory Animal Science, San Antonio, TX, 5/1/1991

Comparison of chemical and mechanical treatments as adjunctive sanitation methods for sipper tubes, 30th Annual Meeting, Webb CG, Weiss DA, and Coghlan LG, Texas Branch American Association for Laboratory Animal Science, Houston, TX, 5/1/1992

Spontaneous hemangiosarcoma in the tail of a Long-Evans rat bearing the Eker mutation Case 10: What's your diagnosis?, 31st Annual Meeting, Binhazim AA, Coghlan LG, and Walker C, Texas Branch American Association for Laboratory Animal Science, Arlington, TX, 5/1/1993

The use of portable two-way FM radios as a communication tool in animal facility management, 31st Annual Meeting, Weiss DG and Coghlan LG, Texas Branch American Association for Laboratory Animal Science, Arlington, TX, 5/1/1993

Demodex musculi in the skin of CD3E, D1, and (CD3E/D1) F1 mice, 3rd Annual Meeting, Hill LR, Kille P, Weiss DA, Craig TM, and Coghlan LG, Texas Branch AALAS, Austin, TX, 4/1/1999

Scrotal swelling in two strains of mice, 38th Annual Meeting, Baze WB, Hill LR, and Coghlan LG, Texas Louisiana Branch American Association for Laboratory Animal Science (TBAALAS), San Antonio, TX, 5/1/2000

GEM user and animal resource, 41st Annual Meeting, Coghlan LG and Weiss DA, Texas Branch AALAS Conference, San Antonio, TX, 4/1/2003

Training personnel to perform tail vein injections, 41st Annual Meeting, Husky P, Coghlan LG, and Weiss DA, Texas Branch AALAS Conference, San Antonio, TX, 4/1/2003

A triage system to support daily animal health surveillance, Joint Meeting, Schutz D, Huskey P, Weiss DA, and Coghlan LG, Arkansas, Louisiana, and Texas Branches, AALAS, New Orleans, LA, 3/22/2005

Optical imaging of early epithelial cancers, Faculty Seminar Series, Coghlan LG, UT MD Anderson Cancer Center, Science Park Research Division, Smithville, TX, 3/22/2006

Preventing Cross Contamination of Genotyping Samples Through Effective Decontamination, Huskey P, Byrom M, Coghlan LG, Texas AALAS Branch, District VII, Arlington, TX, 5/9/2007

Simultaneous Probing of Multiple Optical Path Lengths for Precancer Detection., ECI Advances in Optics for Biotechnology, Medicine and Surgery XI Clinical Challenges and Research Solutions, Nieman LT, Jakovljevic M, Portis MJ, Coghlan LG, Sokolov K, Engineering Conferences International, Burlington, VT, 6/28/2009

Cuterebra sp. Infestations of a Wild Mouse (Peromyscus sp.), Portis MJ, Buckley D, Benavides F, Coghlan LG, 2009 Texas Branch AALAS Annual Meeting, San Antonio, TX, 8/10/2009

Enhanced discrimination of early carcinogenesis using depth sensitive optical spectroscopy, Research and Industry Collaboration Conference, Nieman LT, Jakovljevic M, Portis MJ, Coghlan LG, Sokolov, K, Bernard M. Gordon for Subsurface Sensing and Imaging Systems, Boston, MA, 10/27/2009

PROFESSIONAL MEMBERSHIPS/ACTIVITIES

Professional Society Activities, with Offices Held

National and International

American Veterinary Medical Association
Member, 1984-present

American Committee on Laboratory Animal Diseases
Member, 1987-present

American Society of Laboratory Animal Practitioners
Member, 1987-present

Association for Gnotobiotics
Member, 1987-present
Board of Directors, 1992-1995

American College of Laboratory Animal Medicine
Member, 1991-present

American Association for Laboratory Animal Science - National
Member, 1995-present

The Society for Investigative Dermatology
Member, 1995-2001

Institute for Laboratory Animal Resources (ILAR) - National Academy of Sciences
Associate Member, 1998-present

American Association for Cancer Research, Philadelphia, PA
Member, 2009-present

Local/State

American Association for Laboratory Animal Science - Texas Branch
Member, 1978-present
Board of Directors, 1989-1992
Chairperson, Program Committee, 1989-1992
Member, Program Committee, 1990
Member, Long Range Planning Committee, 1990-1993
President, 1991

Texas Society for Biomedical Research (TSBR)
Member, Board of Directors, 1995-2008
Chairman, Nominations Committee (ad hoc), 1998
Member, Program Planning Committee, 2001-2002

UNIQUE ACTIVITIES

1. The Safe Handling of Chemical Carcinogens in the Research Laboratory, ITT Research Institute/NCI, LaJolla, CA, 1980

Role of Physicians and Scientists in the Business World, Joint Harvard, MIT, MDACC, 2005

2. Outreach Programs:

1. Coghlan, L.G., Veterinary Management of Small Animals with an Emphasis on Specialized Rodent Models, Elderhostel Conference, Department of Veterinary Sciences, Bastrop, TX, 10/95.
2. Coghlan, L.G., Specialized Rodent Models, Elderhostel Week Conference, Department of Veterinary Sciences, Bastrop, TX, 4/96.
3. Coghlan, L.G., Comparative Research at the UT M.D. Anderson Cancer Center Science Park, The Ex-Students' Association, University of Texas, Austin, TX, 6/96.
4. Coghlan, L.G., Animal Models, Molecular Biology, and Molecular Medicine, Elderhostel Conference, Department of Veterinary Sciences, Bastrop, TX, 10/96.
5. Coghlan, L.G., Animal Models, Molecular Biology, and Molecular Medicine, Elderhostel Conference, Department of Veterinary Sciences, Bastrop, TX, 4/97.
6. Coghlan, L.G., Regulations in Biomedical Science, Animal Biomedical Science Class, Elgin High School, Department of Veterinary Sciences, Bastrop, TX, 9/97.
7. Coghlan, L.G., Introduction to Lab Animal Medicine, AALAS Certification Class, Department of Veterinary Sciences, Bastrop, TX 9/97.
8. Coghlan, L.G., Genetics, AALAS Certification Class, Department of Veterinary Sciences, Bastrop, TX 10/97.
9. Coghlan, L.G., Explanation of Adenovirus Project, Department of Veterinary Sciences, Bastrop, TX, 3/98.
10. Coghlan, L.G., Animal Models, Molecular Biology, and Molecular Medicine, Elderhostel Conference, Department of Veterinary Sciences, Bastrop, TX, 4/98.
11. Coghlan, L.G., Overview of Comparative Research, Department of Veterinary Sciences, Bastrop Rotary Club, Bastrop, TX, 7/98.
12. Coghlan, L.G., Should the Public Support the Use of Animals in Research?, Elgin Kiwanis Club, Elgin, TX, 8/98.
13. Coghlan, L.G., Comparative Research in Cancer, Veterans of Foreign Wars, District 28 Pilot Knob, Austin, TX, 9/98.
14. Coghlan, L.G., Overview of Comparative and Cancer Research at Science Park's Department of Veterinary Sciences, Shiner Rotary Club, Shiner, TX, 10/98.
15. Coghlan, L.G., Presenter, Annual Career Day, Hill Street Elementary; Grades: Kindergarten through first grade, Bastrop, TX, 3/99.
16. Coghlan, L.G., Presenter, Tour sponsored by the Economic Development Corporation for

GeneFX, an Animal Genomics Venture Capital Company, at the Department of Carcinogenesis, UT M.D. Anderson Cancer Center, Smithville, TX, 7/99.

17. Coghlan, L.G. Subject: Establishment of Transgenic Animal Services. Hosted Dr. Edwardo Ten Bentagycourt, Chief of Surgery Services of the Experimental Biology Center, National Medical Center of the Social Security Administration, Mexico, D.F. 9/00.

18. Coghlan, L.G. Subject: Essential Elements of Animal Resources, Hosted Mr. Dennis Tan, Director, Dallas Center, Singapore Economic Development Board, 9/18/03.

DATE OF LAST CV UPDATE

10/23/2013