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## Curriculum Vitae

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James R. Owiny  
February 2, 2017

### DEMOGRAPHIC INFORMATION

#### **Current Appointments:**

University Veterinarian, Colorado State University, 2005-present  
Joint (Temporary) Professor Microbiology, Immunology and Pathology, Colorado State University, 2005 - present  
Ad Hoc Specialist, AAALAC International, 2013-Present  
Founder and Chief Executive Officer, Change for Classrooms Foundation (2010 – present)  
Africa Center Leadership Team, 2017- present

#### **Current University Veterinarian Responsibilities**

- Serves as an alternate laboratory animal veterinarian on the IACUC.
- Works closely with the Director of LAR, IACUC, VPR, and the Research Integrity and Compliance Review Office (RICRO) in the development and implementation of policies and procedures related to animal care and use.
- Inspects all animal holding areas and research laboratories to ensure compliance with federal, state, and University regulations and policies.
- Provides clinical care for laboratory animals
- Conducts Occupational Health Program Monitoring.
- Delivers research animal use training through a variety of methods and media including lecture, web, and workshops on working with research animals to faculty, staff and students.
- Conducts Grant versus Protocol Congruence reviews

#### **Personal Data:**

2007 Campus Delivery, Laboratory Animal Resources, Colorado State University, Fort Collins, CO, 80523-2007  
Phone 970-491-5668, Fax 970-491-2496, e-mail james.owiny@colostate.edu

#### **Education and Training (in chronological order):**

Degrees/Year/Institution/Discipline

- Bachelor of Veterinary Medicine/1982/Makerere University, Uganda/Veterinary Medicine
- PhD/1986/University of Liverpool, England/Reproductive Physiology
- Postdoctoral Fellow/1995-1998/Johns Hopkins School of Medicine/Laboratory Animal Medicine

#### **Professional Experience (in chronological order):**

Positions/Institutions/Dates

Teaching Assistant/Makerere University, Uganda/1982-1983  
Lecturer/Makerere University, Uganda/1986-1988  
Postdoctoral Associate/Cornell University/1988-1990  
Research Associate/Cornell University/1990-1995  
Staff Veterinarian/Colorado State University/1998-2000  
Training and Regulatory Compliance Administrator/Johns Hopkins University/2000-2005  
Center for Alternatives to Animal Testing (CAAT) Faculty/Johns Hopkins University/2003-2005  
Adjunct Assistant Professor, Comparative Medicine/Johns Hopkins University/2003-2005

## RESEARCH ACTIVITIES

### Publications:

- Peer-reviewed scientific articles

**Owiny JR**, Fitzpatrick RJ, Spiller DG and Appleton JA (1987). Scanning electron microscopy of the wall of the ovine cervix uteri in relation to tensile strength at parturition. *Res Vet Sci* 43:36-43.

**Owiny JR** and Fitzpatrick RJ (1990). Effect of intravaginal application of prostaglandin E<sub>2</sub> gel on the mechanical properties of the ovine cervix uteri at term. *Am J Obstet Gynec* 163:657-660.

**Owiny JR**, Fitzpatrick RJ, Spiller DG and Dobson H (1991). Mechanical properties of the ovine cervix during pregnancy, labour and immediately after parturition. *Br vet J* 147:432-436.

**Owiny JR**, Jones MT, Sadowsky D, Myers T, Massman A and Nathanielsz PW (1991). Cocaine in pregnancy: the effect of maternal administration of cocaine on the maternal and fetal pituitary-adrenal axes. *Am J Obstet Gynec* 164:658-663.

**Owiny JR**, Sadowsky D, Jones MT, Reimers TJ and Nathanielsz PW (1991). Effect of maternal cocaine administration on maternal and fetal glucose, lactate and insulin in sheep. *Obstet Gynecol* 77:901-904.

**Owiny JR**, Jones MT, Sadowsky D, Myers T, Massman A and Nathanielsz PW (1991). Lack of effect of fetal administration of cocaine on maternal and fetal plasma adrenocorticotropin, cortisol, and lactate concentrations at 123-138 days gestational age. *Gynecol Obstet Invest* 32:160-163.

**Owiny JR**, Fitzpatrick JR and Spiller DG (1992). Changes in the extensibility of the ovine cervix uteri following infusion of estradiol-17 $\beta$  at term. *Small Ruminant Research* 7:75-83.

**Owiny JR** and Fitzpatrick RJ (1992). The effect of clenbuterol (4-amino- $\alpha$ -[(tert-butyl-amino) methyl]-3,5-dichlor-benzoyl alcohol, a  $\beta_2$ -mimetic, and of sodium meclofenamate, a prostaglandin synthetase inhibitor, on cervical ripening on periparturient sheep. *Anim Reprod Sci* 27:41-48.

**Owiny JR**, Myers T, Massman A, Sadowsky D, Jenkins S and Nathanielsz PW (1992). Lack of effect of maternal cocaine administration on myometrial electromyogram and maternal plasma

oxytocin concentrations in pregnant sheep at 124-135 days gestational age. *Obstet Gynecol* 79:81-84.

**Owiny JR**, Mitchell MD and Nathanielsz PW (1992). Effect of 48-hour infusion of the synthetic oxytocin antagonist, [1- $\beta$ -Mpa( $\beta$ -(CH<sub>2</sub>)<sub>5</sub>)<sub>1</sub>(OMe)Tyr<sup>2</sup>,Orn<sup>8</sup>]-oxytocin, on myometrial activity of pregnant sheep at 139-140 days of gestation. *Biol Reprod* 47:436-440.

Derks JB, **Owiny J**, Sadowsky D, Ding XY, Wentworth R and Nathanielsz PW (1993). Effects of repeated administration of cocaine to the fetal sheep in the last days of pregnancy. *Am J Obstet Gynecol* 168:719-723.

**Owiny JR**, Sadowsky D, Zarzeczny S and Nathanielsz PW (1995). Effect of pulsatile intravenous oxytocin administration to pregnant sheep over the last third of gestation on fetal ACTH and cortisol response to hypotension. *J Soc Gynecol Invest* 2:13-18.

**Owiny JR**, Jenkins SL, Zarzeczny S and Nathanielsz PW (1995). Effect of pulsatile intravenous oxytocin administration to pregnant sheep over the last third of gestation on fetal ACTH and cortisol response to hypoxemia. *J. Soc. Gynecol. Invest.* 2: 673-677.

**Owiny JR**, Gilbert RO, Wahl CH, and Nathanielsz PW (1995). Leukocytic invasion of the ovine cervix at parturition. *J. Soc. Gynecol. Invest.* 2: 593-596.

Mecenas CA, Dino BA, Giussani A, **Owiny JR**, Jenkins SL, Wu WX, Barbera M, Honnebier OM, Lockwood CJ, Kong L, Guller S, and Nathanielsz PW (1996). Production of premature delivery in pregnant rhesus monkeys by androstenedione infusion. *Nature Med.* 32: 443-448.

Wu WX, **Owiny J**, Zhang Q, Ma XH, Nathanielsz, PW (1996). Regulation of the estrogen receptor and its messenger ribonucleic acid in ovariectomized sheep myometrium and endometrium: The role of estradiol and progesterone. *Biol. Reprod.* 55: 762-768.

**Owiny JR**, French ED (2000). Ectoparasites in a pigeon colony. *Comparative Medicine* 50: 229-230.

**Owiny JR**, Strandberg JD (2000). Cholesterol granulomas in apolipoprotein E deficient mice. *Contemporary Topics in Laboratory Animal Science* 39(6): 57-58.

**Owiny JR** (2001). Cysticercosis in laboratory rabbits. *Contemporary Topics in Laboratory Animal Science* 40 (2): 45-48.

**Owiny JR**, VandeWoude S, Painter J, Norrdin R, Veeramachaneni Rao D.N (2001). Hip dysplasia in rabbits: Association with nestbox flooring. *Comparative Medicine* 51(1): 85-88.

Rhodes J, Mickleborough TD, **Owiny J**, Tucker, A (2001). Anesthesia protocol for hyperpnea-induced airway obstruction in the guinea pig. *Comparative Medicine* 51(5): 457-461.

Silverman J, **Owiny J**, Santiago D, Kondo S, Stevens J. Follow the unwritten rules? *Lab Anim* (NY). 2003 Mar; 32(3):19-21. No abstract available. PMID: 12601384 [PubMed - indexed for MEDLINE]

**Owiny JR.** Is the IACUC interfering with study design? Freedom without accountability. *Lab Anim (NY)*. 2005 Jun; 34(6):18-9. No abstract available. PMID: 15924126 [PubMed - indexed for MEDLINE]

**Owiny J.** Response to Protocol Review Scenario: Whose watch? *Lab Anim (NY)*. 2009 Mar; 38(3):79-80. doi: 10.1038/labani0309-79. No abstract available. PMID: 19229220 [PubMed - indexed for MEDLINE]

Moseley W, Ostmeier DM, Martin L, **Owiny J.** Not Just Business as Usual: Changing IACUC Business Processes to Facilitate Protocol Review and Approval. *Tech Talk*. 2009 14(2): 5, 8.

**Owiny J,** Ostmeier D. Response to Protocol Review Scenario: Get engaged. *Lab Anim (NY)*. 2010 Jan; 39(1):7-8. doi: 10.1038/labani0110-7b. No abstract available. PMID: 20023669 [PubMed - indexed for MEDLINE]

Knappek, KJ, McWhorter, ES, **Owiny J.** Response to Protocol Review Scenario: Jumping the gun? [Lab Anim \(NY\)](#). 2016 May; 45(5):165-6. doi: 10.1038/labani.999.

Fisher S, Burgess WL, Hines KD, Mason GL, **Owiny JR.** Interstrain Differences in CO<sub>2</sub>-Induced Pulmonary Hemorrhage in Mice. *J Am Assoc Lab Anim Sci* (2016). 55(6): 811-815. PMID: 27931322 PMCID: PMC5113885 [Available on 2017-05-01]

#### Scientific Presentations

- Non-peer reviewed articles

Animal Care Program <http://web.research.colostate.edu/ACP/>. Resource site. (2006). Author and Subject Matter Expert. *This content has now been merged into the LAR website (2015)*.

Web-based training. <https://secure.lwservers.net/jhmrcrct/>. Animal Care and Use, investigator training (2001). Course Director, Author and Subject Matter Expert.

Animal Care and Use, resource site. <http://www.jhu.edu/animalcare/>. (2001). Author and Subject Matter Expert.

Humane Science Lecture Series. Enhancing Humane Science – Improving Animal Research. [http://oac.med.jhmi.edu/humane\\_site/](http://oac.med.jhmi.edu/humane_site/) Co-Course Director with Dr. Goldberg, Director, Center for Alternatives to Animal Testing, Johns Hopkins University.

Rodent Surgery. Monthly course for Johns Hopkins University investigators learning to perform surgery in rodents. Director and principal trainer. 2001-2005.

#### EDUCATIONAL ACTIVITIES

##### Teaching:

- Classroom instruction  
Department of Veterinary Physiology, Pharmacology and Biochemistry,  
Makerere University, Uganda:  
Veterinary Physiology, 1982-83, Co-lecturer and laboratory demonstrator  
Department of Veterinary Physiological Sciences, Makerere University, Uganda:

Veterinary Physiology, 1986-88, Co-lecturer and lead laboratory sessions

Veterinary Pharmacology, 1986-88, Co-lecturer

Department of Physiology, Cornell University

VM527 Systems Physiology II, Laboratory class experiments, 1988-1995.

Coordinated and co-demonstrated techniques in control of reproduction to first year veterinary students.

Department of Laboratory Animal Resources, Colorado State University:

VM778B Biology and Diseases of Rodents and Rabbits, 1998-2000, Course

Coordinator [1999-2000] and co-lecturer. Transformed the course to web-based using WebCT.

VS 575 Basic Techniques/Principles of Aseptic Surgery, 1998-2000 [1 week/year], participated in lectures and demonstrations to individuals without prior surgical experience

Animal Care and Use Committee, Johns Hopkins University:

Rodent surgery, 2002-present, Developer and principal presenter [offered alternate months].

Animal Care and Use Seminar Series, 2002-2005, Developer and principal presenter [occasionally other invited speakers; offered monthly].

- **Clinical instruction**

Department of Laboratory Animal Resources, Colorado State University (offered on behalf of the Department of Clinical Sciences, Colorado State University):

LA1 Opportunities in Laboratory Animal Medicine [1 week rotation for Senior year veterinary medical students], 1998-2000, Co-lecturer

LA2 Rabbit and Rodent Medicine [1 week rotation for Junior year veterinary medical students], 1998-2000, Co-lecturer

### **Mentoring (pre- and post-doctoral):**

- Faculty Advisor: Africans United (student Organization) 2007- 2014

### **Editorial Activities:**

- Journal peer review activities

Comparative Medicine

JAALAS (Journal of the American Association for Laboratory Animal Science)

Contemporary Topics in Laboratory Animal Science (now JAALAS)

Journal of Visualized Experiments

### **CLINICAL ACTIVITIES:**

#### **Certification:**

- Medical, other state/government licensure (date, identification #)  
Licensed by Uganda Veterinary Board/1982 updated 1987, #287.  
Academic Veterinarian/State of Colorado/2010, #2

- Boards, other specialty certification (date, identification #)  
Diplomate/American College of Laboratory Animal Medicine (ACLAM), 1999  
Certified Manager/Institute of Certified Professional Managers (ICPM), 2005

**Service Responsibilities (specialty, role, time commitment):**

**ORGANIZATIONAL ACTIVITIES**

Institutional Administrative Appointments (committees, dates):

**Colorado State University**

Occupational Health Committee (OHC), 2013-present  
 Institutional Animal Care and Use Committee (IACUC), *alternate member* 2014-present  
 Institutional Animal Care and Use Committee (IACUC), *ex-officio* 2005-2014  
 Institutional Biosafety Committee (IBC), *ex-officio*, 2005-2014  
 Animal Users Committee (AUC), 2006-2014  
 Search Committee Chair, Research Associates, Laboratory Animal Resources (LAR), 2014-2015  
 Search Committee, Post Approval Monitor, IACUC/RICRO, 2013-2014  
 Search Committee, Director LAR, 2012-2013  
 Search Committee, Associate Director, LAR, 2007-2008  
 Search Committee, Director for Regulatory Compliance Office, 2006-2007  
 Search Committee, Quali (RMS) Project Leader, 2008  
 Faculty Advisor, Africans United, 2008-2014  
 Drug Review Committee (DRC), *ex-officio*, 2005-2012  
 Emergency Management Team (EMT), 2005-2009  
 Compliance Workgroup, 2006-2007  
 FRS/RMS Subject Matter Expert, 2006  
 Granite and animal use protocol question workgroup, 2006-2008  
 VPR Website (Branding) Team, 2007-2008  
 VPR Organization Development and Learning Assessment (ODLA) Team, 2012-2014  
 Administrative Professional Council, member 2011-2012

**Johns Hopkins University**

University Animal Care and Use Oversight Committee, 2000-2005  
 Institutional Animal Care and Use Committee (IACUC), 2000-2005  
 Institutional Animal Care and Use Committee Subcommittee memberships:  
     a) Compliance and b) Joint IACUC/HSE Committee  
 Joint Committee on Health, Safety and Environment, 2000-2005  
 Research Compliance Committee, 2001-2005

**City of Fort Collins, Colorado**

Human Relations Commission (HRC) (2011-2014), Chair Media and Public Recognition Committee of the HRC (2012-2014)

**Professional Societies (membership, committees, dates, role):**

**American Association of Laboratory Animal Science (AALAS)**, member 1995-present, member Certification and Registry Board, 2007-2013. Scientific presentations.  
**Owiny JR**, Vandewoude S, Painter J, Norrdin R and Veeramachaneni DNR (2000). Spontaneous outbreak of hip dysplasia in a colony of Dutch-Belted rabbits. American Association for Laboratory Animal Science. November 5-9. San Diego, CA.

**Owiny JR** (2002). Developing a training and compliance program at a large academic institution. Special topics lecture. American Association for Laboratory Animal Science. October 27-31, 2002. San Antonio, TX.

**Owiny JR** (2003). Starting a program. Seminar (Co-leader and presenter): Training and Compliance: Experiences from the Trenches. American Association for Laboratory Animal Science. October 12-16, 2003. Seattle, WA.

Matos PA, Diven KJ, **Owiny JR** (2003). Evaluating the performance of rodent watering systems. American Association for Laboratory Animal Science. October 12-16, 2003. Seattle, WA.

Moseley W., Ostmeyer DM, Martin L, **Owiny J** (2008) Changing IACUC Business Processes to Facilitate Protocol Review and Approval. American Association for Laboratory Animal Science. November 9-13, 2008. Indianapolis, IN.

Fisher S, Burgess W, Hines KD, Mason GL, **Owiny JR** (2015) CO<sub>2</sub> Induced pulmonary hemorrhage – strain differences. American Association for Laboratory Animal Science. November 1-5, 2015. Phoenix, AZ.

**Owiny J** (2016) Developmental abnormalities in *Dana rerio*. American Association for Laboratory Animal Science. October 30 - November 3, 2016. Charlotte, NC.

**AALAS, National Capital Area Branch**, member 1995-1999, 2002-2005.

**AALAS, Mile High Branch**, member 1998-2000; 2005-present, Chairman Education Committee, 1999-2000, Member Board of Directors 2007-2009, President-Elect (2012), President (2013), Past-President (2014).

**Owiny J** (2010). The Write Stuff: supporting AALAS certification. May 21, 2010. Estes Park, CO.

Hines K, Ostmeyer D, **Owiny J**. Collaborative Animal Research Enhancement (CARE) Program: supporting animal welfare. October 4, 2012. Fort Collins, CO.

Hines K, Ostmeyer D, **Owiny J**. By the number: why? October 2, 2012. Fort Collins, CO.

**American College of Laboratory Animal Medicine**, member Examination Review Committee, 2000-2003, member Publications Committee, 2003-2006, member ACLAM/ASLAP Program Committee 2007-2009, ACLAM mentor 2010-present; member Recruitment and Educational Oversight Committee (REOC), 2012-2014, Vice Chair REOC (2013), Liaison to Training Program Oversight Committee and Mentoring Committee (TPOC) (2012-2014).

**American Society for Laboratory Animal Practitioners (ASLAP)**, member 1998-present, member Education and Training Committee, 2003-2004, member Membership Committee, 2011-2014.

**Laboratory Animal Welfare Training and Education**, (LAWTE) member 2007-present, Poster Committee, 2008-2010.

**James Owiny**, Denise Ostmeyer (2009). Posters Tell a Story. LAWTE Biennial Meeting, August 6-7, 2009. San Antonio, TX

**American College of Veterinary Pathology**, scientific presentation.

Painter J, **Owiny J**, Norrdin R. (1999) Hip dysplasia (Splayleg) in a group of Dutch-belted rabbits. American College of Veterinary Pathology. November 16-19. Chicago, IL.

**Black Faculty and Staff Association**, Johns Hopkins University, member 2001-2005

**Charles Louis Davis DVM Foundation** for Advancement of Veterinary and Comparative Pathology, member, 1995-2005.

**Colorado Veterinary Medical Association's Private Practitioner Mentor Program,** mentor 1998-2000.

**Institute for Laboratory Animal Research,** Associate, 1995-2009.

**Society for the Study of Fetal Physiology,** scientific presentation.

**Owiny JR,** Gilbert RO and Nathanielsz PW (1994). Leukocytic invasion of the ovine cervix at parturition. Society for the Study of Fetal Physiology. July 31 - August 3, 1994. Cairns, Australia.

**Society for Gynecologic Investigations** (scientific presentations listed below)

Figueroa JP, Angela Massman G, Nathanielsz PW, Jenkins S, and **Owiny JR** (1990).

Tyramine sympathetic activation produces an increase in uterine blood flow in non-pregnant ovariectomized sheep under estrogen and progesterone supplementation.

Society for Gynecological Investigation. March 21-24, 1990. St. Louis, MO. Abstract #138.

**Owiny JR,** Chavin LC, Mitchell MD and Nathanielsz PW (1991). Effect of 48 hour infusion of oxytocin antagonist (OTA) on myometrial activity of pregnant sheep at 139 days gestational age (dGA). Society for Gynecologic Investigation. March 21-23, 1991. San Antonio, TX. Abstract #101.

**Owiny JR,** Massman A, Jones MT, Sadowsky D, Reimers TJ and Nathanielsz PW (1991). Effect of intravenous cocaine administration on maternal (M) and fetal (F) plasma glucose, insulin and lactate in pregnant sheep at 124-135 days gestational age (dGA). Society for Gynecologic Investigation. March 21-23, 1991. San Antonio, TX. Abstract #423.

**Owiny JR,** Jones M, Myers T, Sadowsky D, Massman A, Jenkins S and Nathanielsz PW (1991). Lack of effect of intravenously (i.v.) administered cocaine on myometrial electromyogram (EMG) and maternal plasma oxytocin concentrations in pregnant sheep at 124-135 days gestational age (dGA). Society for Gynecologic Investigation. March 21-23, 1991. San Antonio, TX. Abstract #608.

Derks JB, **Owiny J,** Ding XY, Wentworth R and Nathanielsz PW (1992). Cocaine induces fetal breathing during labor in pregnant sheep. Society for Gynecologic Investigation. March 18-21, 1992. San Antonio, TX. Abstract #18.

Derks JB, **Owiny J,** Ding XY, Wentworth R and Nathanielsz PW (1992). Fetal sheep do not show cardiovascular desensitization to daily fetal injection of cocaine over four days in late pregnancy. Society for Gynecologic Investigation. March 18-21, 1992. San Antonio, TX. Abstract #555.

**Owiny JR,** Jenkins SL, Sadowsky D and Nathanielsz PW (1993). Effect of pulsatile oxytocin administration to pregnant sheep from 100 days gestation on fetal response to hypotension. Society for Gynecologic Investigation. March 31 - April 3, 1993. Toronto, Canada. Abstract #S7.

**Owiny JR,** Sadowsky D and Nathanielsz PW (1993). Effect of pulsatile oxytocin administration to pregnant sheep from 100 days gestation on fetal response to short term hypoxemia. Society for Gynecologic Investigation. March 31 - April 3, 1993. Toronto, Canada. Abstract #P32.

**Owiny JR,** Chwalisz K, Fahrenholz F and Nathanielsz PW (1993). Effect of an oxytocin antagonist, ZK13900, on oxytocin-induced myometrial electrical activity in late pregnancy. Society for Gynecologic Investigation. March 31 - April 3, 1993. Toronto, Canada. Abstract #P33.

Ferguson JE, Bruns ME, **Owiny JR,** Seaner R and Nathanielsz PW (1994). Co-expression of the parathyroid hormone-related peptide mRNA and its receptor mRNA in pregnant sheep uterus: indications of an autocrine/paracrine system. Society for Gynecologic Investigation. March 22-25, 1994. Chicago, IL.



Mecenas CA. Honnebier MBOM, **Owiny JR** and Nathanielsz PW (1994). Continuous intravenous infusion of  $\Delta^4$  androstenedione (A) to pregnant rhesus monkeys at 139 days gestational age (dGA) produces premature delivery. Society for Gynecologic Investigation. March 22-25, 1994. Chicago, IL.

**Owiny JR**, Wu WX and Nathanielsz PW (1994). Estrogen receptor mRNA in the ovine cervix. Society for Gynecologic Investigation. March 22-25, 1994. Chicago, IL. Abstract #035.

**Boy Scouts of America. Pack 91, Fort Collins, CO.** Den Leader, 2008-2011.

**City of Fort Collins, CO.** Member of the Human Relations Commission (HRC) (2011-2014); Chair Media and Community Recognition Committee of the HRC (2012-2014)

**Conference Organizer, Session Chair** (sponsor, date, role):

IACUC Advanced, Scientists Center for Animal Welfare, 2005 at Johns Hopkins University; Program and local arrangements.

IACUC 101/102 Plus; Co-sponsored by CSU, NWRC, CDC and OLAW, August 13-14, 2008; Local arrangements and program

Mile High Branch AALAS, Fall meeting, Fort Collins, CO. September 27, 2008. Program Chair and local arrangements.

One Medicine: Translational Medicine in Cancer Research, AALAS National meeting, November 8-12, 2009, Denver, CO. Session Chair.

City of Fort Collins Human Relations Award breakfast, Fort Collins, CO. May 1, 2012. Program Chair.

City of Fort Collins Human Relations Award breakfast, Fort Collins, CO. May 2, 2013. Program Chair.

Mile High Branch AALAS Spring Meeting, Program Chair, Estes Park, CO. May 24, 2013.

Mile High Branch AALAS Fall Meeting, Program Chair, Golden, CO. October 4, 2013.

### **Consultantships**

Association for Assessment and Accreditation of Laboratory Animal Care International, Ad Hoc Consultant, 2005-2013; Ad Hoc Specialist, 2013 - present

## **RECOGNITION**

**Awards, honors (title, date, description, sponsor):**

*Invited Talks, Panels (title, date, venue, sponsor):*

Alternatives and Field Studies: Finding your way around, September 29, 2003, Middlebury College, Institutional Animal Care and Use Committee.

Enhancing Humane Science/Improving Animal Research. The Science of Humane Study Design. Goldberg A, **Owiny J**. December 8, 2003. Scientists Center for Animal Welfare, Winter Conference, San Antonio, TX. Presented by Dr. Goldberg.

Hazards related to working with agricultural animals. Mile High Branch AALAS, Spring meeting, May 12, 2006, Fort Collins, CO.

Pandemic Flu: What are you doing about it? Mile High Branch AALAS, Fall meeting, September 27, 2008, Fort Collins, CO.

Change for Schools. Journey to Uganda. October 16, 2009. Office of the Vice president for Research, Colorado State University, Fort Collins, CO.

Change for Schools. Improving Opportunities for Students in a Northern Uganda School. February 9, 2010. International Connections, Colorado State University, Fort Collins, CO.

Change for Schools. Making a difference: a story of two schools. March 21, 2010. First United Methodist Church, Fort Collins, CO.

African Geography and Culture. January 4, 2011. Leshar IB Middle School, Fort Collins, CO.

**Invited Reviews, Editorials (reference):**

**Owiny J.** Get More Data, in Protocol Review Column, Lab Animal (1998). 27(3): 17.

**Owiny J.** Show Me the Rules, in Protocol Review Column, Lab Anim (2003). 32(3): 19-20.

**Owiny JR.** Is the IACUC Interfering with study design? Freedom without accountability, In: Protocol Review Column, Lab Animal (2005). 34(6): 18-19

**Owiny J.** Whose Watch? In: Protocol Review Column, Lab Anim (2009). 38(3): 79-80.

Moseley W, Ostmeyer DM, Martin L, **Owiny J** (2009) Not Just Business as Usual: Changing IACUC Business Processes to Facilitate Protocol Review and Approval. Tech Talk (2009) 14(2): 5, 8.

**Owiny JR,** Ostmeyer D. Get Engaged, in: Protocol Review Column, Lab Anim (2010). 39(1): 7-8.

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