



COLLEGE OF SCIENCES AND HUMANITIES  
DEPARTMENT OF PHYSICS AND ASTRONOMY

Muncie, Indiana 47306-0505  
Phone: 765-285-8860

July 11, 2016

Material Licensing Section  
U.S. Nuclear Regulatory Commission  
Region III  
2443 Warrenville Road  
Suite 210  
Lisle, IL 60532 - 4352

Dear Sir/Madam:

We wish to request an amendment to Ball State University's NRC material license. Our license number is 13-06231-01. The requested amendment and justification are given below.

The amendment becomes necessary due to the retirement of Dr. Stuart Walker, the University's present Alternate Radiation Safety Officer (ARSO) and the Chairperson of the Radiation Safety Committee. Upon recommendation from university administration and the Radiation Safety Committee, Dr. Larry Fromm, Professor of Center for Medical Education has been selected as ARSO to replace Dr. Walker. Dr. Clare Chatot, Professor of Biology has been selected to replace Dr. Walker for the Chairperson of the Radiation Safety Committee. We seek your approval of Dr. Larry Fromm as the Alternate Radiation Safety Officer (ARSO) and Dr. Chatot as the Chairperson of the Radiation Safety Committee. Dr. Fromm and Dr. Chatot are both authorized users of radioactive material at Ball State University, and are members of the Radiation Safety Committee. Attached are vitae of both Drs. Fromm and Chatot, and a certificate for training of Dr. Fromm as a Radiation Safety Officer (RSO).

Sincerely,

Robert Morris  
Interim Provost and Vice President  
for Academic Affairs

Mohammed Islam  
Radiation Safety Officer

Curriculum Vita  
Dr. Clare Chatot  
Ball State University  
Department of Biology

EDUCATION:

Degree	Date	University	Major	Minor
Ph.D.	1982	Univ. of Connecticut	Develop.Biology	
M.S.	1977	Villanova University	Biology	
B.S.	1975	Villanova University	Biology	Chem.

EXPERIENCE:

2016 - present Ball State University - Acting Associate Dean, College of Sciences and Humanities

2004-present Ball State University - Professor

1995-2004: Ball State University - Associate Professor

1991-1995: Ball State University - Assistant Professor

1990-1991: Senior Postdoctoral Research Fellow, Transgenic

1987-1990: Research Associate, Cell Biology Group  
Worcester Foundation for Experimental Biology  
Shrewsbury, MA.

1986: Instructor, Department of Biology  
Massachusetts Institute of Technology, Cambridge, MA.

1984-1986: NIH Postdoctoral Research Fellow, Department of Biology  
Massachusetts Institute of Technology, Cambridge, MA.

1982-1983: Postdoctoral Research Associate, Biology Department  
Massachusetts Institute of Technology, Cambridge, MA.

1977-1982: Graduate Fellow and Teaching Assistant, Biological Sciences Group, University

1975-1977: Graduate Teaching Assistant, Biology Department  
Villanova University, Villanova, PA.

## **TEACHING:**

### **Courses taught at Ball State:**

Bio 111 - Principles of Biology 1  
Bio 215/655 Cell Biology  
Bio 394 - Practicum in Biology  
Bio 369 - Internship in Biology  
Bio 470/570 - Developmental Biology  
Bio 628 - Readings  
Bio 697 - Research in Biology  
Biot 491/591 - Theory and Applications of PCR  
Honors 299/298  
Honors 499 - Thesis  
Thes 698 - Thesis  
Zoology 330 - Structure and Development of Vertebrates

### **Work with Students:**

#### **Thesis Committees:**

##### **Chairperson:**

Megan Hubbard, M.S. degree expected, July 2016  
Kayla Mughmaw, M.S. degree expected, July 2016  
Nolan Pachciarz, M.S. degree completed, May 2015  
Autumn Tolliver, M.S. degree completed, December 2013  
Aide Cornielle-Dipre, M.S. degree completed December 2011  
Paige Vernasco, M.S. degree completed July 2009  
Michelle Tolle, M.S. degree completed July 2009  
Brandon Greenwalt, M.A. degree completed July 2008  
Jeff Henry, M.S. Degree completed December 2004  
Jeremy Dann, M.S. Degree completed December 2004  
Amanda Trowbridge, M.S. Degree completed December 2004  
Tiffany Powers, M.S. Degree completed December 2004  
Rachel Blosser, M.S. Degree completed December 2003  
Ron Waclaw, M.S. Degree completed June 1999  
Brendan LeRoy, M.S. Degree completed June 1999  
Emily Martin, M.S. Degree completed April 1999  
Troy Gobbett, M.S. Degree completed January 1999  
Tom Lavelle, M.S. Degree completed October 1998  
John Lawry, M.S. Degree completed September 1994  
Connie Fultz, M.S. Degree conferred Posthumously May 1994

##### **Committee Member for: (Dept. is Biology unless otherwise indicated)**

Tobin Richardson, Ph.D., Higher Education, Counseling Psychology, completed May 2015, Member-at-Large  
Kelly Sudhoff, Ph.D., degree expected July 2016

Kelli Servizzi, Ph.D. , Education, completed July 2013, Member-at-Large  
 Minh Tam Dang, M.S., completed December 2012  
 Amy Brown, M.S. completed, May 2008, BSU  
 Kelsey Haaning, M.S. completed, May 2008, BSU  
 Chris Haffner, M.S. completed, December 2007, BSU  
 Craig Knox, M.S., completed, July 2007, Anthropology, BSU  
 Brandon Rapier, M.S. completed, July 2006, BSU  
 Ed Schoenfeldt, Ph.D. Candidate Ed. Administration, BSU, Member-at-large  
 Carol Clark, Adult, Ph.D. Higher and Community Education, BSU, Member-at-Large, Completed, December, 2007  
 Alessandra Volpe, Ph.D. Psychology, BSU, Member-at-Large, completed, July 2004

Amy Fettig - M.S. Completed 7/01  
 April Reed - M.S. Completed 7/01  
 Dong Won Choi - M.S. Completed 6/00  
 Heather Schuck - M.S. Completed 6/00  
 Audi Whitaker - M.S. Completed 11/99  
 Bruce Baldwin - M.S. Completed 7/99  
 Mike Taylor - M.S. Completed 5/99  
 Audra Carroll - M.S. Completed 4/99  
 Dru Metzger - M.S. Completed 9/98  
 Don Williams - Ed.D. Biology 5/98  
 Bart Halstead - M.S. Completed, 4/97  
 Vicki Donohue - M.S. Completed 4/97  
 Chris Burkett - M.S. Completed 10/96  
 Eleni Karapa - Master of Architecture Completed 9/96  
 Seonhee Yuh - M.S. Completed 5/96  
 Anne Howell - M.S. Completed 6/95  
 Bong-suk Kim - M.S. Completed 6/95  
 Kristi Potis - M.S. Completed 5/94  
 Seng-Yong Lee - M.S. Completed 6/93  
 Amy Allman - M.S. Completed 6/93

#### **Undergraduate Research Advisor (Students since Fall 1991):**

- 1). Undergraduate Research Project Advisor: (Bio 498) - 34 students.
- 2). Honors Thesis Advisor: (Honors 499) : 32 completed
- 3). Practicum: (Bio 394): 18 students
- 4). Graduate Readings: (Bio 628): 24 students

#### **RESEARCH:**

##### **Summary of Radiation Training and Use:**

1977-1982: Annual Training at University of Connecticut, Use of  $^{14}\text{C}$ -leucine in protein labeling experiments

1982-1986: Annual Training at Massachusetts Institute of Technology, Use of  $^{32}\text{P}$  - dNTPs in cloning and  $^{35}\text{S}$  in vitro translation assays.

1987-1990: Annual Training at Worcester Foundation for Experimental Biology, Use of  $^{14}\text{C}$  in glutamine utilization assays.

1990-1991: Trained at Genzyme Corporation, Use of  $^{32}\text{P}$  in cDNA probe synthesis for RT-PCR product identification on blots.

1991-current: Annual Training at Ball State University, Use of  $^{32}\text{P}$  - dNTPs in cDNA probe synthesis and  $^{32}\text{P}$  - ATP in Histone kinase labeling experiments,  $^3\text{H}$  - Thymidine in DNA synthesis experiments.

### **Publications:**

Waclaw, R.R. and Chatot, C.L. (2004). Patterns of Expression of Cyclins A, B1, D, and E, and Cdk2 in Preimplantation Mouse Embryos. *Zygote* 12: 19-30.

Burket, C., C.N. Vann, R.R. Pinger, C. L. Chatot and F. Steiner (1998). Minimum infection rate of *Amblyomma Americanum* by *Ehrlichia Chaffeensis* in southern Indiana. *J. Medical Entomology* 35(5):653-659.

Chatot, C.L., J.R. Lawry, B. Germain, and C.A. Ziomek (1997). Analysis of Glutaminase Activity and RNA Expression in Preimplantation Mouse Embryos. *Molec. Reprod. Devel.* 47:248-254.

Chatot, C.L., J.L. Lewis-Williams, I. Torres and C.A. Ziomek (1994). One-minute exposure of 4-cell Mouse Embryos to Glucose Overcomes Morula Block in CZB Medium. *Molec. Reprod. Devel.* 37:407-412.

Theodousiou, N.G., C.L. Chatot, and C.A. Ziomek (1992). Chemiluminescent application to alkaline phosphatase measurement in Phast gels of preimplantation mouse embryos. *Biotechniques* 13:898-901.

Chatot, C.L., J.L. Lewis, I. Torres, and C.A. Ziomek (1990). Development of 1-cell embryos from different strains of mice in CZB medium. *Biol. Reprod.* 42:432-440.

Chatot, C.L., R.J. Tasca, and C.A. Ziomek (1990). Glutamine uptake and utilization by preimplantation mouse embryos in CZB medium. *J. Reprod. Fert.* 89:335-346.

Ziomek, C.A., C.L. Chatot, and C. Manes (1990). Polarization of blastomeres in the cleaving rabbit embryo. *J. Expt. Zool.*, 256:84-91.

Chatot, C.L., C.A. Ziomek, B.D. Bavister, J.L. Lewis and I. Torres (1989). An improved culture medium supports development of random-bred 1-cell mouse embryos in vitro. *J. Reprod. Fert.* 86:679-688.

Ingram, V.M., M.P. Ogren, C.L. Chatot, J.M. Gossels and B.B. Owens (1985). Diversity Among Purkinje Cells in the Monkey Cerebellum. PNAS USA 82:7131-7135.

Chatot, C.L., N.W. Klein, M.L. Clapper, S.R. Resor, W.D. Singer, B.S. Russman, G.L. Holmes, R.H. Mattson and J.A. Cramer (1984). Human Serum Teratogenicity Studies by Rat Embryo Cultures: Epilepsy, Anticonvulsant Drugs and Nutrition. Epilepsia 25:205-216.

Chatot, C.L., N.W. Klein, J. Piatek, and L.J. Pierro (1980). Successful Culture of Rat Embryos on Human Serum: Use in the Detection of Teratogens. Science 207:1471-1473.

Klein, N.W., M.A. Vogler, C.L. Chatot and L.J. Pierro (1980). The Use of Cultured Rat Embryos to Evaluate the Teratogenic Activity of Serum:Cadmium and Cyclophosphamide. Teratology 21:199-208.

### **Chapters in Books:**

Klein, N.W., S.W. Carey, C.L. Chatot, H.W. Fish, D.C. Gamett, J.S. Haines, L.J. Pierro, J.D. Plenefisch and M.F. Young (1983). "The Use of Cultured Rat Embryos to Detect Teratogens in Serum from Rats, Humans and Monkeys" in *In Vitro Toxicity Testing of Environmental Agents: Current and Future Possibilities*, Nato Conference Series I: Ecology. A.K. Kolber, T.K. Wong, L.D. Grant, R.S. DeWoskin and T.J. Hughes, Eds., Plenum Press, New York, pp. 209-230.

Klein, N.W., C.L. Chatot, J.D. Plenefisch and S.W. Carey (1983). "Human Serum Teratogenicity Studies Using In Vitro Cultures of Rat Embryos" in *Applications of Short Term Bioassays and the Analysis of Complex Mixtures*, Environmental Science Research 27, M.D. Walters, S.S. Sandhu, J. Lewtas, L. Claxton, N. Chernoff and S. Nesnow, Eds., Plenum Press, New York, pp. 407-415.

Klein, N.W., J.D. Plenefisch, S.W. Carey, C.L. Chatot and M.L. Clapper (1981). "Evaluation of Serum Teratogenic Activity Using Rat Embryo Cultures" in *Culture Techniques: Application for Studies on Prenatal Differentiation and Toxicity*. D. Neubert and H.J. Mirker, Eds., Walter de-Gruyter, Berlin and New York, pp. 67-81.

### **Recent Presentations:**

Hubbard, M. and Chatot, C. L., Indiana Academy of Science Annual Meeting 2016, Indianapolis, IN. Male Infertility Due to Dilantin: Examining Potential Decreases in Sperm Motility and CatSper Calcium Channel Abundance in Mouse Sperm Cells. Poster (March 2016).

Mughmaw, K. and Chatot, C. L., Indiana Academy of Science Annual Meeting, 2016, Indianapolis, IN. Assessment of DPH Effects on Sperm-Egg ZP binding and Protein Expression of  $\beta$ -1,4-Galactosyltransferase and Proacrosin. Poster (March 2016).

Chatot, C. L., Cornielle-Dipre, A., Tolliver, A. R., Indiana Academy Annual Meeting 2014, Indiana Academy of Science, Indianapolis, IN, "Dilantin Slows Development of Preimplantation

Mouse Embryos by Reducing Levels of DNA Polymerase and Rates of DNA Synthesis during the Second Cell Cycle.". (March 15, 2014).

Chatot, C. L., Hunt, D., Indiana Academy of Science Annual Meeting 2014, Indiana Academy of Science, Indianapolis, IN, "Effect of Dilantin on the Ubiquitination of Cyclin A in Preimplantation Mouse Embryos.". (March 15, 2014).

Chatot, C. L., Pachiarcz, N., Indiana Academy of Sciences Annual Meeting 2014, Indiana Academy of Sciences, Indianapolis, IN, "The Effects of Dilantin on Male Fertility and Sperm Indices in Mice.". (March 15, 2014).

Cornielle-Dipre and C. L. Chatot (2012). Dilantin Alters Levels of DNA Polymerase  $\delta$  in Preimplantation Mouse Embryos during G1 and S Phase In Vivo. VIII International Interdisciplinary Scientific Investigation Congress, June 2012.

K. Hecke, P. Vernasco and C. L. Chatot (2011). Expression Patterns of Phosphofructokinase Isoforms in Preimplantation Mouse Embryos. Indiana Academy of Science, March 2011.

J. Anderson, M.D. Tolle and C. L. Chatot (2011). Dilantin alters Cyclin A protein expression but not mRNA Expression in Second Cell Cycle Preimplantation Mouse Embryos. Indiana Academy of Science, March 2011.

M. Tolle and C. Chatot (2008). Effect of Dilantin on Expression of Cyclins A and B1 in Preimplantation Mouse Embryos. Indiana Academy of Science, Oct. 2008.

P. Vernasco, J. Henry, and C. Chatot (2007). Regulation of the Liver Specific Isoform of Phosphofructokinase in Preimplantation Mouse Embryos, Indiana Academy of Science, Oct. 2007.

M. Tolle, T. Powers, and C. Chatot (2007). Effects of Dilantin on Expression of Cyclins D1 and A in Preimplantation Mouse Embryos. Indiana Academy of Science, Oct. 2007.

\*A. Kanuchok, D. Choi, C. Volk, C. Chatot, C. Warnes (2003). Pathogenic *Aeromonas hydrophila* associated with source waters and biofilms of meters in water distribution systems. Accepted for poster presentation at the American Society for Microbiology Conference on Biofilms, Victoria, BC, Canada. 11/03.

R. Blosser, R. Waclaw and C. Chatot (2002). Cyclin Expression in Preimplantation Mouse Embryos in vivo and in vitro. Indiana Academy of Science Meeting, 10/02.

Waclaw, R. R., LeRoy, B. A., and Chatot, C.L. Expression of Cyclins A, B1, D, and E and cdk2 during the First three Cell cycles of Preimplantation Mouse Embryos Development. American Society for Cell Biology, Washington, D.C., 12/01. (Published Abstract Molecular Biology of the Cell)

Choi, D., Warnes, C., Volk, C., Chatot, C., Szot, S. and Keller, B. Detecting *Aeromonas hydrophila* from a simulated water distribution system by using PCR. Indiana Branch of the American Society for Microbiology. Indianapolis, IN. 4/00.

E. P. Martin and C. L. Chatot. Expression of Glutamate Dehydrogenase RNA in Preimplantation Mouse Embryos. Regional Developmental Biology Society Meeting, 5/99.

Ronald Waclaw and Clare L. Chatot. Analysis of Cell Cycle Protein Expression in Early Preimplantation Mouse Embryos. Regional Developmental Biology Society Meeting, 5/99.

E. P. Martin and C. L. Chatot (1998). Expression of Glutamate Dehydrogenase RNA in Preimplantation Mouse Embryos. Molecular Biology of the Cell 9: 436a. Presented as Poster at American Society for Cell Biology Meetings, San Francisco, 12/98.

Ronald Waclaw and Clare L. Chatot. Analysis of Cell Cycle Protein Expression in Early Preimplantation Mouse Embryos. Indiana Academy of Sciences Meeting, 10/98.

B. LeRoy and C. L. Chatot. Immunological Characterization and Localization of Cell Cycle Regulatory Proteins in Preimplantation Mouse Embryos. Indiana Academy of Sciences Meeting, 10/98.

T. Burket, C. Vann, R. Pinger, C. Chatot, and F. Steiner. The minimum infection rate of Amblyomma Americanum ticks by Ehrlichia chaffeensis in southern Indiana. American Society for Microbiology, Annual Meeting, May, 1997

T. Burket, C. Vann, R. Pinger, C. Chatot, and F. Steiner. The minimum infection rate of Amblyomma americanum ticks by Ehrlichia chaffeensis in southern Indiana. Indiana, Michigan and Ohio Branches of the American Society for Microbiology, Joint Meeting, 4/97.

Indiana University-Purdue University, Fort Wayne (IPFW), Dept. of Biology, seminar speaker, 11/96. Energy Metabolism in the Preimplantation Mouse Embryo.

Burket, Pinger, Chatot, Vann and Steiner. Occurrence and Distribution of *E. Chaffeensis* in Southern Indiana. IN/OH Regional ASM Meeting, Hueston Woods, College Corner, OH., 4/96

Lavelle and Chatot. Expression of Cell Cycle Proteins in Preimplantation Mouse Embryos. Indiana Academy of Sciences, Greencastle, IN, 11/96

Burket, Steiner, Vann, Chatot, Pinger. The Occurrence and Distribution of *Ehrlichia Chaffeensis* in Ticks in Southern Indiana, Indiana Academy of Science, Greencastle, IN, 11/96

Indiana Academy of Sciences Talent Search Banquet, Ball State University, Muncie, 3/95, "Early Mouse Embryos, Where Do They Get All That Energy?"

#### **Grants:**

Indiana Academy of Science, Application Date: 9/15/14. The Effects of Dilantin on Functional Mouse Sperm Parameters, Zona Pellucida Binding and Fertilization  
Funded, \$2230, November 2014 - October 2015



Indiana Academy of Science, Application Date: 3/1/10. Effects of Dilantin Induced Changes in Cyclin A Expression on DNA synthesis by DNA Polymerase alpha and delta in Preimplantation Mouse Embryos. \$3000.00 Funded: May 1, 2010 – April 30, 2011.

Indiana Academy of Science, Application Date: 9/15/07. Regulation of the Glycolytic Enzyme Phosphofructokinase in Preimplantation Mouse Embryos. \$3000.00 Funded: 11/03/07 – 11/02/08.

Indiana Academy of Science, Application Date: 9/15/03. "Immunological Characterization and Localization of Cyclin B1 at G1 and G2/M in Preimplantation Mouse Embryos. \$2975.00. Funded: 11/1/03 - 10/31/04.

National Science Foundation, Major Research Instrumentation (MRI) Grant. Application Date, 1/03. "Acquisition of a Confocal Microscope to Establish an Imaging Facility for Research and Teaching". Funded: 8/1/03 - 7/31/06 \$300,000 with BSU Match of \$26,190. Total: \$326,190. (With D. Bishop, L. Fromm, N. Javed, and L. Ganion)

Discovery Grant for Equipment of Biotechnology Program. Funded for 2003-2004. \$30,000.00 (with Carolyn Vann)

Indiana Academy of Science, Application Date: 9/15/02. "Effect of Dilantin on Expression of Cell Cycle regulatory proteins in the Preimplantation Mouse Embryo". Funded 11/02-10/03. \$2750.00.

Indiana Academy of Science, A Characterization of the Isoform and Developmental Expression Pattern of Phosphofructokinase RNA in Preimplantation Mouse Embryos. \$1400.00 with \$700.00 in matching funds from OARSP - \$2100 total. Funded May 2001 - April 2002.

George and Frances Ball Foundation Fund for Academic Excellence, A Development of New Courses for the Biotechnology Certificate Program. \$10,000. Funded May 1, 2001-December 31, 2002. (Primary Author with C. Vann and J. Olesen)

BSU Internal Summer Research and S.E.E.T. Grant - Funded 7/99-6/00. \$300.00 with Summer Salary

BSU Internal S.E.E.T. Grant - Funded 7/98-6/99. \$1895.00

George and Frances Ball Foundation Fund for Academic Excellence, A Revision of the Cell and Molecular Biology Option Curriculum in the Department of Biology. \$6400.00. Funded May 1, 1998 through April 30, 1999. (With C. Vann and N. Behforouz)

Design of Service Learning Component for Honors 299: Issues in Human Reproduction, Fertility and Development. Partnerships for Successful Learning Grant from Lilly Endowment. \$900.00. Funded May 1, 1998 - April 1, 1999.

School to Work Minigrant for Development of Internship Opportunities in the Laboratory Sciences at Ball State. Workforce Partnership Area VI. \$734.70 June - August, 1998.

BSU Academic Year Grant Proposal: "Effects of Phenytoin Metabolism on Preimplantation Mouse Embryos". Submitted 1/94, \$1500.00, funded 7/1/94-6/31/95.

George and Frances Ball Foundation Fund for Academic Excellence, A Faculty Development Workshop on Molecular Biology. Submitted 2/1/95 with Dr. Carolyn Vann. \$5,000.00, funded 6/1/95 - 5/31/96.

BSU Academic Year Grant, Application Date: January 1994.  
"Effects of Phenytoin Metabolism on Preimplantation Mouse Embryos". July 1, 1994 - June 30, 1995. \$1500.00.

Revised NIH Area Grant Proposal, Application Date: June 1993. "Energy Metabolism Genes Expressed in Early Mouse Embryos", June 1, 1994 - May 31, 1997. \$92,872.00. No cost extension through May 31, 1998.

BSU Graduate Research Grants Sponsored: 14 since 1991, Awards from \$200-400.

BSU Undergraduate Research Grants Sponsored: 10 since 1991, Awards of \$200.

## **SERVICE**

### **To Ball State University:**

#### **Departmental Service:**

Curriculum Committee: Member, 2008-2013, 2015-16; **Chair**, 2010-11, 2012-13, 2013-14.

P&T Committee: Elected Member and **Chair**, 15-16, 14-15, 13-14, 04-05, 01-02, 00-01, 98-99, 97-98. Elected Member, 06-07, 05-06

Search and Selection Committee, Elected member, 95-96, 93-94; **Chair**: 94-95,

Ad hoc member of Cell Biology Search Committee – 2011 fall

Ad hoc on Genetics Search, Spring 1993

Ad hoc on Vertebrate Zoology/Ornithology Search, Spring 1992

Research and Graduate Studies Committee, Member: 99-00, 03-04, 07-08 and **Chair**, 02-03, 96-97, 91-92.

Department Liaison to University Academic Honors in Writing Committee, 1993 to present.

Pre-Health Professions Advisor: 2003 to present; Advise and mentor all pre-health professions sophomore, junior and senior students. Approximately 300 students per year assigned; course scheduling advising; manage curricular changes; communicate with and arrange Ball State visits with admissions directors at Indiana health professions schools;

provide help with professional school applications; letters of recommendation as needed; mock interviewing.

Faculty advisor for Pre-Health Professions Club: 2003-present

Faculty Advisor for BSU Chapter of the Timmy Foundation: 2003 to present

Faculty Advisor for Sigma Zeta Science Society, 1993-1998

**University and College Service:**

Ad hoc Committee to revise College P&T Document, Fall 2013.

Steering Committee Member for HLC Accreditation Self Study, 2011-2013.

HLC Criterion 1 - Mission Subcommittee, **Chair**, 2011-2013.

Search Committee Member, Director of Research Compliance, Spring 2008- Summer 2010.

University P&T Committee, **Vice Chair**, 05-06; **Chair** 06-07, 07-08, 08-09.

University P&T rep to College Committee, 05-06, 06-07, 07-08, 08-09.

College P&T Committee, Member and **Chair** 15-16, 14-15, 04-05, 01-02, 00-01, 98-99 ,  
Member, 13-14, 97-98.

University Outstanding Awards Committee, Member: 04-05, 05-06; **Chair**: 06-07 and 07-08.

University Animal Care and Use Committee: Member 1992-2012. **Committee Chair**, 1994-1998 and 2005 - 2012.

University Radiation Safety Committee, Member, 1994 - present; **Committee Chair**, 16-17.

Indiana Women of Achievement Award Committee: 2003 to present

College Awareness Day/Cardinal Preview Days, 2003 to present

Graduate Student Development Conference - **Organizer for Hints for Effective Laboratory Instruction**, 2005-2007; Presenter: 2001-2003

Graduate Student Development Conference - Animal Care and Use Presentation, 2004-2008

P&T Panel Discussion Member for Task Force on the Status of Women, 2004-2008, 2013

American Council for Education Committee on Leadership and Institutional Transformation, Representative of the College of Sciences and Humanities, 99-00, 98-99.

Steering Committee Member for North Central Accreditation Self Study, 01-02, 00-01.

Faculty Accomplishments Subcommittee, **Chair**, 01-02, 00-01.

Academic Integrity Subcommittee for NCAA Accreditation Self Study, 01-02, 00-01.  
Subgroup for Academic Support and Scheduling, **Chair**, 01-02, 00-01.

University Senate, 1999-2004, **Elected Secretary**, 01-02; **Elected Vice Chair**, 02-03.

University Senate Governance Committee, **Chair**, 02-03 AY

Facilities and Master Planning Committee, member, 00-01, 99-00

Senate Agenda Committee, 00-03.

University Academic Policy Council (APC), elected by Biology Dept. for 3 year term: Fall 1992 to Spring 1995.

- Attended Pew Roundtables - Spring 95 and Fall 95

University Graduate Education Committee, appointed to 3 year term by APC, Fall 1992 to Spring 1995.

- GEC Secretary 94-95 AY.

- Student Affairs Subcommittee 92-93 AY, 93-94 AY (Secretary), 94-95.

University Ad Hoc Teacher Scholar Committee, 1994-95 AY.

#### **To the Profession:**

Elected Member, Foundation Committee, Indiana Academy of Sciences; 2014 to present

Member, Finance Committee, Indiana Academy of Sciences; 2011- 14

Awards Committee, **Chair**, Indiana Academy of Science – 2004 - 2010

Search Committee Member to hire the IAS Executive Director – 2010

Indiana Academy of Science: **Past President**, 2007

Indiana Academy of Science: **President**, 2006

Indiana Academy of Science: **President Elect**, 2005

Indiana Academy of Science: Research Grants Committee Member, 95-99.  
**Chair for 3 years**, 96-99.

Indiana Academy of Science: Budget Committee Member, 95-99, 2005-2007; **Chair** 2005.

Indiana Academy of Science, Microbiology and Molecular Biology Section:

**Section Chair**, 94-95, 00-01, 04-05, 07-08

**Section Vice Chair**, 93-94, 99-01, 03-04, 06-07

Midwest Teratology Society, Steering Committee; elected member 1999-2002.  
**Chair 01-02, 00-01.**

**Invited Professional Presentations:**

Expression of Energy Metabolism Genes in Preimplantation Mouse Embryos. Presented to the Department of Biology, University of Dayton, Seminar Series, 3/00.

What are Stem Cells and Why Should I Care? Presented to Anderson University Biology Dept. Information and Discussion Series. 9/01.

**Review Panels:**

**Journals:**

J. Reproduction and Fertility  
Reproduction, Fertility and Development  
Teratology  
American Biology Teacher  
Internal BSU Faculty Grants

Reviewed the Book Principles of Development by Wolpert and Tickle for Oxford University Press, 2012

Reviewed Book Chapter for McGraw Hill in Comparative Vertebrate Anatomy Lab Manual by Kardong and Zalisko, 2012

Reviewer of Comparative Anatomy lab book (Homerberger and Walker, Thompson/Brookes - Cole), 2005

Reviewer of Comparative Anatomy text (Kent and Carr, McGraw Hill), 04-05 AY

Reviewer of Comparative Anatomy (Kent and Carr, McGraw Hill), 2002

Reviewer of Developmental Biology Chapters from Purves et al. Life: The Science of Biology for Sinauer. Spring term 02-03 AY

Reviewer for Wadsworth Publishing Co. Introduction to Biotechnology, Text Book, Fall 1994, re-reviewed revisions, Fall 1995.

Participated in the Study of Research-Doctorate Programs in the United States for the National Research Council, Spring 1993.

**Awards and Recognitions:**

Fellow, Indiana Academy of Sciences, Elected, 1996

Ball State Outstanding Faculty Service Award, 2002-2003 AY. Presented at August

2003 Faculty Meeting.

Ball State Outstanding Faculty Advisor Award, 2014-2015 AY. Presented at August 2015 Faculty Meeting.

## **Tomczak, Tammy**

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**From:** Null, Kevin  
**Sent:** Thursday, September 29, 2016 7:13 AM  
**To:** Tomczak, Tammy  
**Subject:** FW: Amendment of Ball State NRC License  
**Attachments:** Chatot Vita 2016 - Radiation Safety Vita.pdf; NRCform665ballSTATEuniveristy092016.pdf

Hi Tammy,

The attached resume needs to get into ADAMS. I have attached a 665.

Thanks,

Kevin

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**From:** Islam, Mohammed [mailto:mislam@bsu.edu]  
**Sent:** Wednesday, September 28, 2016 4:37 PM  
**To:** Null, Kevin <Kevin.Null@nrc.gov>  
**Subject:** [External\_Sender] Amendment of Ball State NRC License

Mr. Null,

I tried to send you an email earlier which did not go through because of my mistake in typing your email address. So I try it again.

As I mentioned during our conversation over telephone today, due to the retirement of Dr. Stewart Walker, a new chairperson has been appointed for the Radiation Safety Committee at Ball State University. She is Dr. Clare Chatot of the Department of Biology. Attached is a copy of her Vita. Please let me know if you have any question.

Sorry for sending multiple emails, and a voice message in your telephone.

Regards,

Mohammed S. Islam, RSO  
Ball State University  
(765) 285 8066