

CURRICULUM VITA

LORA A. BECKER, Ph.D.

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University of Evansville
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EMPLOYMENT

| | |
|---|---|
| Adjunct Graduate Professor of Educational Leadership | Western Kentucky University 2013 - 2017 |
| Associate Professor of Psychology | University of Evansville August 2010 - present |
| Assistant Professor of Psychology | University of Evansville August 2000 - June 2010 |
| Visiting Professor of Psychology | University of Evansville August 1999 - June 2000 |
| Instructor of Psychology | Binghamton University (SUNY-Binghamton) 1996 - 1999 |
| Research Assistant | Binghamton University (SUNY-Binghamton) 1994, 1995 |
| Research Assistant | Wright State University 1991 - 1992 |

EDUCATION

Ph.D., 2002 Psychology - Behavioral Neuroscience
State University of New York at Binghamton, Binghamton, NY
Dissertation Thesis Title: Pattern of Light Induced Fos Expression in the Neonatal Rat
Suprachiasmatic Nucleus: Relationship to Subpopulation of Cells and Motor Output
Advisor: Maria-Teresa Romero, Ph.D.

M. A., 1995 Psychology - Psychobiology
State University of New York at Binghamton, Binghamton, NY
Master Thesis Title: Fetal Rat Responses to an Artificial Nipple: Dopamine Involvement
Advisor: William P. Smotherman, Ph.D.

B. S., 1992 Dual Degree in Biology and Psychology
Wright State University, Dayton, OH
Undergraduate Thesis Title: Further Characterization of the Behavioral Effects of Peripherally
Administered Corticotrophin Releasing Factor (CRF) in Guinea Pigs
Advisor: Michael B. Hennessy, Ph.D.

HONORS

- Global Scholar, 2015-2016, University of Evansville
- Phi Kappa Phi, Member, April 2013
- Nu Rho Psi Charter, Faculty Member, University of Evansville, December 2012

- The National Society of Collegiate Scholars, Distinguished Member, September 2012
- Teacher of the Month for April 2009. Phi Mu Chapter at the University of Evansville
- Deans Teaching Award 2007. College of Arts and Sciences, University of Evansville
- Annual Vagina Monologues “Vagina Worrier” award from Women’s Awareness Group 2006
- Nominated for Evansville Leadership Award 2004.
- The Dean’s Award: Advisor of the Year 2004. University of Evansville.
- Chi Omega Professor of the Year 2004. University of Evansville.
- Nominated for Evansville Leadership Award 2003.
- Teacher of the Month for October 2001. Phi Mu chapter at University of Evansville.
- Excellence in Teaching Award for Graduate Students, Office of Graduate Studies and Teaching, Binghamton University, Binghamton, NY Spring, 1999
- Sandra G. Weiner Student Travel Award for Undergraduates, International Society for Developmental Psychobiology, 1995
- First place – Sigma Xi Student Research Colloquium Speech Competition, Undergraduate Division. Wright State University, Dayton, OH. 1992

SCHOLARSHIP

RESEARCH ARTICLES (underlined are/were undergraduate students)

Becker, L.A., Bies, A. J, Burns, L.N., & King, M. (in preparation for **Developmental Psychobiology**) Dietary Phytoestrogen Exposure During the Perinatal Period: Timing, Thermal and Age-Related Effects.

Stevenson, M. C., Long, S. & Becker, L.A. (in preparation for **Teaching of Psychology**) Students’ Attitudes toward Pop Quizzes: Are They Really All That Bad?

Bies, A., Becker, L. A. (in preparation for **Journal of Neurophysiology**) Generalization of prism adaptation is kinesthetic: Recalibration occurs in joints along the kinetic chain during the cocking phase of throwing

Colleton, S. A. Becker, L. A. Marrs, J. A. Colleton, C. A. Lawrence, C. Curtis, C. Maloney K. (in preparation for **Society of Toxicologic Pathology**) A novel bioassay predicts cholic acid efficacy against ethanol exposure in the embryonic zebrafish (*Danio rerio*) fetal alcohol syndrome model.

Gholamine, B., Karimi, I., Salimi, A., Derakhshandeh, K., Becker, L. A., Hadipour, M. (**Submitted to Toxicology and Industrial Health**) Neurobehavioral toxicity of carbon nanotube in mice: Focus on brain-derived neurotrophic factor mRNA and protein (TIH-15-0156)

Flater, K (2011) The Effects of Phytoestrogens on Maternal Nesting Behaviors of the Rat. Proceedings of The National Conferences On Undergraduate Research (NCUR) 2011. p 1372-1377. Ithaca College, New York. Faculty Advisor: Becker, L.A.

Totton, R. R., Sanstrum, B. J., Leehans, K. E. (2011) A Developmental Study of Dietary Phytoestrogen Exposure During the Perinatal Period: Effects on Ultrasonic Vocalizations and

Open Field Behavior. Proceedings of The National Conferences On Undergraduate Research (NCUR) 2011. P. 20178-2022. Ithaca College, New York. Faculty Advisor: Becker, L.A.

Miraghaee, S.S., Karimi, I., Becker, L.A. (2011). Psychobiological assessment of smoke of agarwood (*Aquilaria* spp.) in male rats. *Journal of Applied Biological Sciences* 5 (2): 45-53.

Karimi, I., Becker, L.A., Chalechale, A., Ghashghaii, A. (2011). Biochemical plasma profile of male rats exposed to smoke of agarwood (*Aquilaria* spp.). *Comparative Clinical Pathology*

Karimi, I., Becker, L.A., Jalili, A., Hadipour, M. (2011). Gender-dependent effects of fluoxetine on selected biochemical parameters in guinea pigs: A preliminary study. *Comparative Clinical Pathology*.

Yousofi M, Saberivand A, Becker, L.A., Karimi I. (2011). The effects of *Cannabis sativa* L. seed (hemp seed) on reproductive and neurobehavioral end points in rats. *Developmental Psychobiology*. 53(4):402-12.

Saberivand, A., Karimi, I., Becker, L. A., Moghaddam, A., Aziz-Mahmoodjigh, S., Yousefi, M., Zavareh, S. (2010). The Effects of Hempseed on Ovariectomized Rat Model of Menopause. *Methods and findings in Experimental and Clinical Pharmacology*, 32(7), 467-473.

Becker, L.A., Kunkel, A. J., Brown, M., Ball, E. E., Williams, M.T. (2005). Effects of dietary phytoestrogen exposure during perinatal period affects male offspring: daily weight, anogenital distance, USV & testosterone levels. *Neurotoxicology and Teratology*, 27(6) 825 - 834.

Petrov, E.S., Varlinskaya, E.I., Becker, L.A., & Smotherman, W.P. (1998). Endogenous Mu opioid systems and suckling in the neonatal rat. *Physiology and Behavior*, 65, 591 - 599.

Becker, L.A., & Hennessy, M.B. (1993). Further characterization of the behavioral effects of peripherally administered corticotrophin releasing factor (CRF) in guinea pigs. *Pharmacology Biochemistry & Behavior*, 44, 925 - 930.

Hennessy, M.B., O'Neil, D.R., Becker, L.A., Jenkins, R., Williams, M.T., & Davis, H.N. (1992). Effects of centrally administered CRF and alpha-helical CRF on the vocalizations of isolated guinea pig pups. *Pharmacology Biochemistry & Behavior*, 43, 37 - 43.

Hennessy, M.B., Becker, L.A., & O'Neil, D.R. (1991). Peripherally administered CRH suppresses the vocalizations of isolated guinea pig pups. *Physiology & Behavior*, 50, 17 - 22.

INVITED TALK

Becker, L. A. (November 2014) Applications of Neural Science, Western Kentucky University, November 24, 2014

Becker, L.A. (September 2011) Phytoestrogen Effect on Neonatal Rat Development. Crick Lectures in Cognitive and Neural Science, University of Evansville. September 7th, 2011

Becker, L.A. (September 2007) A Developmental Case of Environmental Effects on Emotional Expression. Crick Lectures in Cognitive and Neural Science, University of Evansville. September 13th, 2006

Becker, L.A. (February, 2005; September, 2005). Sure! Blame it all on Mother. Wednesday Mornings at UE Lecture series, University of Evansville.

Becker, L.A. (February, 2005) Drug Enhanced Learning. Andiron Lecture, University of Evansville.

Becker, L.A. (October, 2003). The healing touch: Tiffany Field. Wednesday Mornings at UE Lecture series, University of Evansville.

Becker, L.A. (December, 2003). The Human Machine: a rate limiting factor for business. Andiron Lecture, University of Evansville.

Becker, L.A. (March, 2001). Why do we have a brain? All eyes looking back at evolution. Darwin Day Presentation, University of Evansville

POSTERS (underlined are undergraduate students)

L. A. Becker, R. Waworuntu, E. J. Meiman, M. A. Ermler, and B. Berg (2014) Behavioral effects of magnesium oxide versus magnesium l-threonate diet in adolescent Sprague dawley rats. International Society for Developmental Psychobiology, Washington D. C.

S. A. Colleton, L. A. Becker, J. A. Marrs, C. A. Colleton, C. Lawrence, C. Curtis, K. Maloney (2013) A novel bioassay predicts cholic acid efficacy against ethanol exposure in the embryonic zebrafish (*Danio rerio*) fetal alcohol syndrome model. Society for Neuroscience, San Diego, California

M. Barry, S. O'Brien, L.A. Becker (2012) Low dietary phytoestrogen during fetal and neonatal development alters adult sexual behavior in adult male rats. Society for Neuroscience, New Orleans, Louisiana

K. E. Leehans, B. J. Sanstrum, R. R. Totton and L. A. Becker (2011) Examination of critical period of dietary phytoestrogen exposure; elucidated by ultrasonic vocalizations, open field behavior and novel object recognition. Society for Neuroscience, Washington D. C.

R. R. Totton, B. J. Sanstrum, and L. A. Becker (2011) The comparison of prenatal dietary exposure to phytoestrogens and rearing condition moderated by cross-fostering and nutritional control in latent cross-fostering. International Society for Developmental Psychobiology. Washington D.C.

Totton, R. R., Sanstrum, B. J., Becker, L. A. (2011) Low dietary phytoestrogen elicits anxiogenic behavior in rat pups moderated by dietary period and maternal influence. International Behavioral Neuroscience Society (IBNS). Steamboat Springs, Colorado

Flater, K. (2011) The effects of phytoestrogens on maternal nesting behaviors of the rat. Proceedings of The National Conferences On Undergraduate Research (NCUR) 2011. Ithaca College, New York. Faculty Advisor: Becker, L.A.

Totton, R. R., Sanstrum, B. J., Leehans, K. E. (2011) A developmental study of dietary phytoestrogen exposure during the perinatal period: Effects on ultrasonic vocalizations and open field behavior. Proceedings of The National Conferences On Undergraduate Research (NCUR) 2011. Ithaca College, New York. Faculty Advisor: Becker, L.A.

Reuter, S., Barker, A., Becker, L. A. (2010) Chronic but not Acute 2,5-dimethoxy-4-iodoamphetamine (DOI) Produces Reversible Deficits in Spatial Learning in Adult Sprague-Dawley Rats. Society for Neuroscience, San Diego, California

Bies, A. J., King, M., Becker, L. A. (2009) Anxiolytic effect of prenatal phytoestrogen exposure on social interaction behaviors in peripubescent rats. International Society for Developmental Psychobiology. Chicago, Illinois.

Bies, A. J., Sigler, B., Reuter, S. R., Becker, L. A. (2009) Overhand throwing in adaptation to prism lenses generalizes to other throwing motions. Society for Neuroscience, Chicago, Illinois

Becker, L. A., Knust, K., Umans, R., Sipes. (2009) Investigation of anxiety responding and reaction time in college women either naturally cycling or on oral contraceptives. *Society for Neuroscience*, Chicago, Illinois

Karimi, I., Yousofi, M., Becker, L.A., Moghaddam, A. (2009) The effects of Cannabis Sativa L. seed on postnatal reproductive and neurobehavioral end points in rats. *10th Iranian Congress of Toxicology and Poisoning*, Tehran, Iran, May 18 – 20, 2009.

Becker, L.A., Parker, K.L., Stewart, P.A., Lawler, B., Burns, L.N., Yeager, J.R. (2008) Perinatal dietary phytoestrogen exposure alters USV expression dependent on age environmental temperature and gender. (2008). International Behavioral Neuroscience Society, St. Thomas Virgin Islands.

Burns, L., Brown, M., Gadiant, Yeager, J., Lawler, B., Jones, N., Pleen, J., Becker, L. (2006). Dietary phytoestrogen exposure during perinatal period effect on ultrasonic vocalizations, open field, and play behavior activity in rats. Symposium for Young Neuroscientists and Professors of the Southeast, Davidson College, North Carolina

Brown, M., Ball, E.E., Williams, M.T., Snyder, M.T., & Becker, L.A. (2003). Dietary phytoestrogen exposure during perinatal period affects male offspring: daily weight, anogenital distance, USV & testosterone levels. International Society of Developmental Psychobiology, New Orleans, Louisiana

Kunkel, A.J., & Becker, L.A. (2003). Ultrasonic vocalizations altered due to testing time and a change in dietary phytoestrogen intake during gestation and nursing. International Behavioral Neuroscience Society, San Juan Puerto Rico.

Johnson, J.R., Williams, M.T., & Becker, L.A. (2001). Increased dietary phytoestrogen intake during gestation and nursing alters anogenital distance, isolation-induced ultrasonic vocalizations, and adult testosterone titers of offspring. International Behavioral Neuroscience Society, Cancun, Mexico.

Becker, L.A., & Romero, M.-T. (2001). FOS response to light in the neonatal suprachiasmatic nucleus differs from adult rats. International Behavioral Neuroscience Society, Cancun, Mexico.

Becker, L.A., Bonaventura, L.R., & Romero, M.-T. (1999). Light-induced expression of Fos and P-CREB in the Suprachiasmatic nucleus (SCN) and intergeniculate nucleus (IGL) of neonatal rats. Society for Neuroscience, 459.21. Miami, Florida

Becker, L.A., Fish, M.D., & Romero, M.-T. (1997). Light sensitivity and ontogeny of endogenous activity in the suprachiasmatic nucleus of neonatal rats determined by c-Fos immunoreactivity. International Society for Developmental Psychobiology. Miami, Florida

Fish, M. D., Becker, L.A., & Romero, M.-T. (1997). Developmental changes in c-Fos expression in the suprachiasmatic nucleus of the rat. Undergraduate Research Fair Binghamton University, 15.

Varlinskaya, E.I., Petrov, E.S., Becker, L.A., & Smotherman, W.P. (1996). Neonatal responses to a surrogate nipple: MU opioid system. Society for Neuroscience, 784.4. Washington, D.C.

Becker, L.A., Robinson, S.R., & Smotherman, W.P. (1994). The dopamine D2/D3 agonist quinpirole promotes responding to an artificial nipple in the newborn rat. International Society for Developmental Psychobiology. Clearwater, Florida.

Becker, L.A., Varner, J.A., Dokas, L., & Isaacson, R.L. (1994). Nimodipine exposure corticosterone levels and plus maze. Society for Neuroscience 36. New Orleans, Louisiana.

Becker, L.A., Robinson, S.R., & Smotherman, W.P. (1994). Fetal responses to an artificial nipple: Dopamine regulation. International Behavioral Neuroscience Society. Florida Keys.

Williams, M.T., Becker, L.A., Nolan, D., & Hennessy, M.B. (1992). CRF: Further characterization of behavioral effects on guinea pig pups. International Society for Developmental Psychobiology. Anaheim, California.

Hennessy, M.B., O'Neil, D.R., Becker, L.A., Jenkins, R., Williams, M.T., & Davis, H. N. (1991). Central and peripheral effects of corticotrophin releasing factor (CRF) on behavior in guinea pig pups. International Society for Developmental Psychobiology. New Orleans, Louisiana.

GRANT ACTIVITIES *underlined are undergraduate students

PSI CHI Faculty Grant. June 1, 2015. Stevenson, M. C. Becker, L. A., McCracken, E., Plogher, T., Buechler, T. Does Dehumanizing Children Decrease Empathy and Lead to Physical Punishment? \$2000 Submitted June 2015

Ball Venture Fund, *Neuromarketing Research Center* Jill Griffin, Lora Becker, Atefeh Yazdanparast, Don Jones, \$22,000 June 2015

Global Scholar, Neuromarketing in China and Australia, Lora Becker & Atefeh Yazdanparast, \$10,000, 2015-2016 Academic Year.

Innovation and Re-Investment Grant, *Neuromarketing Research Center* to Lora Becker, Jill Griffin, \$15,000 April 2015

National Science Foundation NSF 13-517 Grant *MRI: Acquisition of BIOPAC Student Lab and MP150 neurophysiology data acquisition and analysis equipment* to Lora Becker, Margaret Stevenson, Don Jones Applied February 2013 \$49,000 Not Funded

Mead Johnson Nutritional Grant to Lora Becker *Nutrient Modulation of Brain Development and Cognitive Function* January 2013 to December 2013 \$29,565

UExplore Research Grant to Lauren Murphy Barry and Lora Becker “Effects of Phytoestrogen on Sexual Behavior in Rats” Fall 2011 \$600

UExplore Research Grant supplement to Rebecca Totton, Bethany Sanstrum and Lora Becker \$1890 (cage lids)

UExplore Research Grant to Rebecca Totton, Bethany Sanstrum and Lora Becker “A developmental study of dietary phytoestrogen exposure and latent cross fostering: effects on ultrasonic vocalizations and open field behavior.” Summer 2011 \$8100

UExplore Research Grant to Rebecca Totton, Bethany Sanstrum and Lora Becker “A developmental study of dietary phytoestrogen exposure during the perinatal period: Effects on ultrasonic vocalizations and open field behavior”. Summer 2010 \$8722.00

UExplore Research Grant to Alan Barker, Shane Reuter and Lora Becker “Effects of 5-HT2a receptor blockade on adult-male Sprague-Dawley performance of Morris Water Maze spatial memory task.” fall 2009 \$1000

UExplore Research Grant to Shane Reuter, Alan Barker and Lora Becker “Effect of chronic 2,5-dimethoxy-4-iodoamphetamine (DOI) administration on spatial learning and memory in adult male Sprague-Dawley rats” fall 2009 \$1000

National Science Foundation Research Experience for Undergraduates (REU) to Lora Becker, Elizabeth Hennon, Kristy Miller and Margaret Stevenson “Summer Research in the Cognitive and Neural Sciences” fall 2009 \$359,400.00 Not Funded

ARSAF grant to Lora Becker “Emotional Responding and Learning in Weanling Rats with Fetal and Neonatal Exposure to Dietary Phytoestrogens” University of Evansville, Spring 2009 \$800

UExplore Research Grant to Robyn Umans, Kymerly Knust and Lora Becker “Investigation of anxiety responding and reaction time in college women either naturally cycling or on oral contraceptives” University of Evansville, Fall 2008 \$1000

UExplore Research Grant to Alan Barker, Shane Reuter and Lora Becker “Effect of 2,5-dimethoxy-4-iodoamphetamine (DOI) on Novel Object Recognition (NOR) in adult male Sprague-Dawley Rats” University of Evansville, Spring 2009 \$1000

UExplore Research Grant to Alexander Bies and Lora Becker “Generalization of motor movement during prism adaptation” University of Evansville, Spring 2009 \$340

UExplore Research Grant to Kellen Clark and Lora Becker “Sexual Attitudes and Behaviors of College Students on a Small Midwestern Campus” University of Evansville, fall 2006 \$330

UExplore Undergraduate Research Grant to Lindsey Burns, Joseph Pleen & Lora Becker "The Effects of Prenatal Phytoestrogen Exposure in Rats on Social Behaviors as Exhibited by the Ultrasonic Vocalizations of Rats" University of Evansville, Fall 2004 \$1672

UExplore Undergraduate Research Grant to Michelle Brown & Lora Becker “The Effects of Prenatal Phytoestrogen Exposure in Rats on Social Behaviors” University of Evansville, Fall 2003 \$526.48

UExplore Undergraduate Research Grant to Erin Ball & Lora Becker “The effects of phytoestrogens on the brain development of male rats” University of Evansville, Summer 2003 \$4,758.00

UExplore Undergraduate Research Grant to Annie Harmon & Lora Becker “Hormonal and Behavioral Investigation of Fetal and Neonatal Exposure to Phytoestrogens in Rats” University of Evansville, Spring 2002.

ARSAF Grant, Lora Becker. Histological, Neuroendocrine, and Behavioral Investigation of Fetal and Neonatal Exposure to Phytoestrogens in Rats. University of Evansville, Spring 2002 \$1970

ADVANTAGE Undergraduate Research grant, Rebecca Odle and Lora Becker. Identification of Phytoestrogens in Rat Chow using Liquid Chromatography. University of Evansville, Spring 2002 \$500

ADVANTAGE Undergraduate Research grant, Thea Freygang and Lora Becker. Studying Abroad and its Role in Higher levels of Self-Efficacy and Intrinsic motivation in both Undergraduate College Students and Professors. University of Evansville, Fall 2001 \$280

Fall 2001 ART grant was submitted by Lora Becker but not awarded due to lack of funds.

Spring 2001 ARSAF grant was submitted by Lora Becker but not awarded due to lack of funds.

ADVANTAGE Undergraduate Research grant, Lora Becker and Christina Moorman. The Effects of Feedback on Academic Performance with Locus of Control as a Mediator. University of Evansville, Fall 2000. \$310

ADVANTAGE Undergraduate Research grant, Lora Becker and Jessica Johnson, Investigation of Phytoestrogen Effects in the Developing Male Animal. University of Evansville, Fall 2000. \$500

ADVANTAGE Undergraduate Research grant, Lora Becker and Mikaela Petty, Anti-nociceptive Properties of the GABA_A Receptor: Central Modulation of Induced TMJ Pain in Rats. University of Evansville, Summer 2000. \$3468 (\$2,500 for student summer housing)

ADVANTAGE Undergraduate Research grant, Lora Becker and Jessica Johnson, How Phytoestrogens Effect Male Reproductive Ability: Sperm Count and Testosterone Levels. University of Evansville, Summer 2000. \$3227.30 (\$2,500 for student summer housing)

ARSAF grant, Lora Becker "Do Natural Estrogens Disrupt Development? A Behavioral Investigation of Phytoestrogens Effects After Neonatal and pubescent Exposure in Sprague Dawley Rats." University of Evansville, Spring 2000. \$1702

ADVANTAGE Undergraduate Research grant, Lora Becker and Mikaela Petty, 'The Development of Nociceptive Properties in GABA_A Receptors: A Peripheral Model of Induced TMJ Pain in Rats', University of Evansville, Spring 2000. \$451.90

Faculty Innovational Instruction Grant 00FIIG-013 Professor Becker and Dr. Lakey from EXCEL organization, University of Evansville, January of 2000.

REVIEW/EDIT/EVALUATION WORK

The American Journal of Managed Care- 4 articles

Founded in 1995, the Journal provides a forum for peer-reviewed literature on healthcare outcomes research. See more at: <http://www.ajmc.com/about#sthash.pgEQ36vu.dpuf>

Text Review, *Physiology of Behavior*, Neil R. Carlson 11th edition, 2013, Pearson

Text Review, *Physiology of Behavior*, Neil R. Carlson 11^e edition, 2014, Pearson

Journal for Undergraduate Neuroscience Education (JUNE) 2014

Faculty for Undergraduate Research Travel Awards to Society for Neuroscience 2014, 2015

PROFESSIONAL SOCIETIES

| | |
|--|----------------|
| American Association for Laboratory and Animal Science | 1999 - present |
| Faculty for Undergraduate Neuroscience | 2009 – present |
| Nu Rho Psi Honors Society for Neuroscience | 2013 – present |
| Society for Neuroscience | 1992 - present |
| International Behavioral Neuroscience Society | 1994 - 2012 |
| International Society for Developmental Psychobiology | 1992 - 2012 |
| Southwestern Indiana Psychological Association | 2001 - 2005 |
| American Psychological Association | 2000 - 2004 |

American Psychological Society 2000 - 2004
 Council on Undergraduate Research 1999 - 2001

POSITIONS HELD IN PROFESSIONAL SOCIETIES

Phi Kappa Phi, National Bylaws Committee 2014 – 2016,
 Phi Kappa Phi, University of Evansville Chapter Vice President 2014-2015, Chapter President 2015-2016
 Nu Rho Psi, National Council, President-Elect 2014 – 2015
 Faculty for Undergraduate Neuroscience Travel Award Judge 2014
 Southwestern Indianan Psychological Association:
 Treasurer, 2001 – 2002; Secretary, 2002 – 2003; President, 2003 – 2005
 Council on Undergraduate Research – Councilor, 2000 - 2001
 International Behavioral Neuroscience Society – Student Board Member, 1994-1995

TEACHING

Teaching responsibilities for the following courses included designing managing and grading all syllabus, lectures, labs, exams, projects, and APA style research papers.

| Course | Title | Course | Title |
|----------|--|------------------------|--|
| PSYC 121 | Introduction to Psychology | NEUR 358 | Neuropsychology Laboratory |
| NEUR 125 | Introduction to Neuroscience Regular and Honor sections | PSYC 416 | Human Sexuality |
| PSYC 245 | Statistics for Psychology with Laboratory | PSYC 450 | Learning |
| PSYC 246 | Research Methods with Laboratory | NEUR 457 | Advanced Neuroscience |
| PSYC 355 | Sensation and Perception | Masters Classes | |
| NEUR 357 | Neuropsychology | Course | Title |
| | | PSA 507 | Research Methods and Program Evaluation |
| | | PSA 567 | Measurement and Statistics |

WORKSHOPS & CONFRENCES

Faculty for Undergraduate Neuroscience Teaching Workshop Ithaca, NY Summer 2014
 Center for Teaching Excellence. Technology Based Teaching of Neuroscience UofE Spring 2011
 Center for Teaching Excellence. Learner-Centered Teaching Group. UofE Spring 2009.
 Center for Teaching Excellence. Teaching Strategy Group. University of Evansville Fall 2002.
 Center for Teaching Excellence. Tenure Group. University of Evansville Spring 2002.
 Center for Teaching Excellence. Teaching Group. University of Evansville Fall 2001.

TALKS, POSTERS and QUOTED MATERIAL

Becker, L.A. (2014) A Comprehensive Final Exam for Physiological Psychology: Application of Stimulus-Response Learning, Forced Rehearsal and Cued Recall. FUN Workshop, Ithaca College, Ithaca, New York.

Brown, H. (2013) Six ways undergrad research helps the field. *Monitor on Psychology*. American Psychological Association Vol 44, No. 8 pg 64. <http://www.apa.org/monitor/2013/09/six-ways.aspx>

Becker, L.A. (2012). *Esto Quid Esse Videri*. MidAmerica Undergraduate Psychology Research Conference. Keynote Address University of Southern Indiana Evansville, IN

Kassenow, P. & Becker, L.A. (2001). Taking the Fear out of Physiological Psychology. MidAmerica Undergraduate Psychology Research Conference. University of Southern Indiana Evansville, IN

LEADERSHIP & SERVICE

Director of Neuroscience Program, June 2012 – present

Neuroscience Program Coordinator, 2008 – 2012

Maintain Neuroscience curriculum

Scholarship Day activities 2012, 2013

Faculty Advisor for Cognitive and Neural Science Research Group

Faculty Advisor for Nu Rho Psi Alpha in Indiana Chapter

Continue to improve and enhance the programs promotion and success

Participate in Academic Leadership Committee

Participate Dean of Arts and Sciences Chairs Meetings

Director of Summer Reading Program, June 2012 – 2014

Oversee committee that selects a book for freshmen to read over the summer

Organize activities during the Fall semester related to the reading such as; speakers, fundraising events, service-related events, discussion session with faculty

Advertise and promote the summer reading book with all University constituents

Organize evaluation of student essays, choose essay contest winner, coordinate essay evaluation with Director of Academic Assessment

Director of Major Discovery Program (for undeclared students), July 2008 – May 2013

Design and implement the Major Discovery Program for Undeclared Majors

Scholarship Day activities 2009, 2010, 2011, 2012, 2013

Enlist and coordinate faculty advisors for the Major Discovery Program

Educate faculty advisors on practices and opportunities of the program

Organize faculty volunteers for admissions events (Open House, Scholar Day, Road Trip, Fall Friday) and registration SOAR I, II, III/STAR I,II

Send Scholarship congratulation letters to Undeclared Majors (Discovery Students)

Coordinate Major Fair Event with Career Services, Dean of the College of Arts and Sciences and Center for Academic Advising

Coordinate and organize social events for Major Discovery Program Events

Update and promote all literature, course catalog and web presence
Design, implement staff and maintain “Journeys and Discoveries” DISC 100 course for Major Discovery students
Insure students in the program choose a major for a timely graduation
Continue to improve and enhance the programs promotion and success

Director of Academic Assessment, June 2005 – June 2008

Assist the VPAA with names of Assessment Committee members for the current year
Meet with new faculty during Fall Faculty Conference
Meet with World Cultures Faculty about Collegiate Learning Assessment (CLA)
Meet with new students during Welcome Week
Conduct monthly Assessment Committee meetings
Review department assessment reports on a rotating three-year basis (10-15 reports/year)
Update the Assessment Resource Manual, adding several resource pages
Put Assessment Resource Manual online and reduced printing costs
Work with Director of Institutional Research in implementing University-wide assessments (NSSE, CLA, etc.) and data management.
Report Assessment Activities to the University of Evansville Board of Directors
Inform Department Chairs of assessment reporting cycle and assign committee liaisons
Collect and maintain departmental assessment reports
Serve on Writing Subcommittee
Serve on General Education Committee
Serve on Retention Committee
Meet with any administrator or faculty that needs assessment advice
Attend assessment conferences to keep updated on latest advances (CLA and AI)
2005 met with HLC accreditation interviewers

UNIVERSITY SERVICE COMMITTEES

Current

Physician Assistant Director Search Committee 2015
Pre-Professional Advisors Committee (for medical-related careers) 2013 – present
Institutional Care and Use Committee (IACUC) 2012 – present
Outstanding Senior Service Award Committee 2013 - present
Judicial Board 2004 – 2006, 2012 – present
Cognitive and Neural Science Research Group Co-Advisor 2005 – 2008, Advisor 2008 – present
Crick Lectures in Cognitive and Neural Science Co-coordinator 2005 – present
Berger Award Committee 2005 – present
Writing Sub-Committee of the Curriculum Committee; Assessment Rep 2005-08,
Social Sci Rep 2013-present

Past

Academic Assessment Committee 2005 – 2011, Chairperson 2005 – 2008
Academic Services Committee 2002 – 2005,
Recording Secretary 2010 – 2013 Chair 2010 - 2011 & 2012 – 2013
Ad hoc committee to oversee the Interdisciplinary Studies Program 2005
Ceremony Committee 2009 – 2011, Assistant Marshal 2009 – 2011
Faculty Senate 2010 – 2013 Social Sciences Representative

Vice Chair 2010 – 2011
 Updated the Faculty Manual

Chair 2011 – 2012
 Brought faculty to final approval of General Education Program
 Successfully negotiated faculty raise
 Formalized ongoing joint meetings between Senior Administration
 and Faculty Senate Executive Board
 Administered and analyzed the Faculty Morale Survey

Past Chair 2012 – 2013
 Administered and analyzed the Faculty Morale Survey

General Education Committee, Assessment Representative 2005 – 2008

General Education Steering Committee 2007 – 2008

Subcommittee on General Education Revision Process of the General Education Subcommittee
 of the Curriculum Committee (Nick name Sub Squared) 2006 – 2007

Institutional Diversity Council 2011 – 2012
 Assessment subcommittee 2012

Institutional Research Board (Subcommittee of the Faculty Professional Affairs Committee
 for Protection of Research Subjects) 2001 – 2005

Interdisciplinary Studies Committee 2006 – 2011, Chairperson 2007 – 2009

Martin Luther King Jr. Committee 2003 – 2005, Chairperson 2004 – 2005

Master Facility Planning Committee 2011 – 2012

Masters of Public Service Administration Review Committee summer 2005

Math, Engineering and Science Conference (MESCON) committee 2011 – 2014

Neu Chapel Society Board of Directors 2010 – 2014

PRIDE Faculty Co-Advisor 1999 – 2001, Advisor 2001 – 2006

Psychology Department Faculty Search Committee 2005

Psychology Department Scholarship Day Planning Committee 2009

Retention Committee, Assessment Representative 2005 – 2008
 Freshman Call Campaign 2007 – 2013

Strategic Plan Oversight Committee 2011 – 2013

Summer Reading Program Committee 2012 – 2014, Chair 2012 – 2014

U*Envision 2010 Campaign Committee 2007 – 2010

Undergraduate Research Committee, University of Evansville, fall 1999 – spring 2005
 Promotion Chair spring 2001 – 2005
 Interim URC Chairperson spring 2004
 Interim Committee Member spring 2009

Undergraduate Research Study Chairperson spring 2004 – fall 2005

REFERENCES

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