REQUEST FOR APPOINTMENT

DATE January 8, 2018

AUTHORITY, BOARD OR COMMISSION YOU ARE REQUESTING APPOINTMENT **EAC**

TO: Environmental Advisory Council

NAME: Jennifer Swann

HOME ADDRESS: 1824 w Congress Street Allentown Pa 18104

BUSINESS ADDRESS: 111 Research Drive, Dept Biol Sci, Lehigh University, Bethlehem, PA 18015

TELEPHONE NO. (MOBILE) 610-554-8839 BUSINESS 610758-5484

EMAIL: cephalapoda@gmail.com

PRESENTLY EMPLOYED BY: Lehigh University

JOB TITLE: Professor

EMPLOYMENT: (PRIOR) Rutgers University

EDUCATON:

HIGH SCHOOL GRADUATE: XXXX YES NO
COLLEGE OR UNIVERSITY GRADUATE XXXX YES NO
DEGREE/FIELD OF STUDY Biology - Neuroscience

CURRENT MEMBERSHIP IN ORGANIZATIONS AND OFFICES:

PAST ORGANIZATIONAL MEMBERSHIPS AND OFFICES:

DO YOU LIVE IN THE CITY OF ALLENTOWN XXXXX YES _____NO

HAVE YOU EVER BEEN ARRESTED? :

IF SO, WHY?

DO YOU HAVE A SIGNIFICANT "BUSINESS" OR "PROPERTY" INTEREST IN ALLENTOWN? PLEASE EXPLAIN: No

ARE YOU A REGISTERED VOTER: XXX YES_____NO

WHY ARE YOU INTERESTED IN THIS APPOINTMENT? BE SURE TO INCLUDE WHAT VALUE YOU WILL BRING TO THE BOARD: I am very much interested in preserving our environment. I enjoy the parks we have in Allentown and I would like to see them preserved.

DO YOU ANTICIPATE A CONFLICT OF INTEREST BY SERVING AS A MEMBER OF AN AUTHORITY, BOARD OR COMMISSION:_____YES XXXXX NO

IF YES, EXPLAIN:

IF YOU ARE BEING CONSIDERED FOR REAPPOINTMENT, PLEASE INDICATE HOW MANY TERMS YOU HAVE SERVED _____ AND THE YEAR YOU WERE FIRST APPOINTED _____.

NOTE: This information will be used for making appointments to authorities, boards and commission and in the event you are appointed/reappointed, it may be used as a news release to identify you to the community.

Jennifer Swann

1/8/18

Signature

Date

Please forward this request for appointment, along with a resume to:

City Clerk's Office
City Hall
435 Hamilton Street
Allentown, PA 18101

CURRICULUM VITAE

Jennifer Swann, Professor
Department of Biological Sciences
111 Research Drive
Lehigh University
Bethlehem, PA
Citizenship: United States of America

Education :

Postdoctoral	Reproductive Endocrinology Program and Department of Anatomy and Cell Biology University of Michigan, Ann Arbor, Michigan
Ph.D. 1984	Department of Neurobiology and Physiology Northwestern University Evanston, Illinois 60201 Major: Reproductive Neuroendocrinology
M.S. 1979	Psychology Department Florida State University Tallahassee, Florida 32306 Major: Psychobiology
B. S. 1976	Penn State University University Park, Pa. 16801 Major: Psychology, Premedicine

Positions Held

2015- present	Director of Student Success, Advising Center, College of Arts and Sciences, Lehigh University
2008- present	Professor Department of Biological Sciences, Lehigh University

1996 -2007	Associate Professor Department of Biological Sciences, Lehigh University
1995 - 1996	Visiting Associate Professor Department of Biological Sciences, Lehigh University
1994 - 1995	Director, Academic Foundations, Rutgers University, Newark
1993 - 1996	Associate Professor, Department of Biological Sciences, Rutgers Newark
1987- 1993	Assistant Professor, Department of Biological Sciences, Rutgers Newark

Grants

2007 - 2012	NSF - "Steroidal Regulation of Synaptic Input in the MPN mag " Role PI; Total Award : $ $446,000
2007- 2008	PA-Department of Community & Economic Development - PITA X - Building Robots that Smell: A Summer Research Experience for Undergraduates in Engineering Role PI ; Total Award : $35,155
2005 - 2008	NIH- Sex Steroids Program Gender Identity; Program project Grant-University of Michigan; Role: subcontract; Total Award : $130,360.00
2005- 2007	PA-Department of Community & Economic Development - PITA IX: Enhancing Eight Grade Science and Math at Harrison Morton Middle School in Allentown; Role PI; Total Award : $49,961.00,
September ,2004 August,2007	NSF - "REU-Site: Animal-like, Sensor-based Robot Motions: Learning from Nature" Role PI; Total Award : $402,286.00
November , 2004 -March , 2006	PA-Department of Community & Economic Development - PITA VIII - Building Robots that Smell: A Summer Research Experience for Undergraduates in Engineering Role: PI; Total Award : $31,877.00

September 2001- August 2005	NSF -Exploring the Neuroanatomical Basis of Sexual Differentiation of Behavior Role: PI; Total Award : $684,933
September 1997- October1998	NSF POWRE Award: Pheromonal Stimulation of Multi-Unit Activity in the MPN mag Role: PI; Total; Award: $116,139
June, 1996 – May, 1999	NIGMS Bridges to the Future Grant: Northern New Jersey Bridges Network: Essex County Comm College, Union County Community College, Passaic County Community College and Rutgers the State University of New Jersey, Newark. Role: Pi; Total Award: $487,191
July, 1991- June, 1997	NIH FIRST Award: Neuroanatomy of Peptides Regulating Male Mating Behavior Role: PI; Total Award: $350,000
July 1989- June 1995	Supplemental to NIMH Training Grant; MBRS Program at Newark: PI Barry Komissaruk: Role: Subproject PI: My share of Total Award: $113.852
February, 1989- January, 1990	NSF Planning Grant "Location of Tachykinins in the Mating Behavior Pathway of the Hamster
July, 1988- May 1989	Research Council, Rutgers University Location of Tachykinins in the Mating Behavior Pathway
September 1988 March 1989	Biomedical Research Council Award, Rutgers University Location of Tachykinins in the Mating Behavior Pathway
November 1987- May, 1988	Research Council, Rutgers University Neuroanatomy of Substance P Neurons in the Limbic System
January -August 1984	Dissertation Year Grant, Graduate School Northwestern University
Sept. 1981- May 1982	Grant in Aid of Research, Sigma XI Scientific Research Society

Fellowships and Awards

March 2016	[one of] "25 Women Who Are Changing Lehigh" award
March 2013	Lehigh University - Martin Luther King Faculty award
June 2006	Lehigh University Office of Multicultural Affairs Faculty Staff Award " For outstanding contributions to improving the quality of student life."
July 1988 – June 1989	Ford Foundation Postdoctoral Fellowship, National Research Council Institute for Animal Behavior Rutgers University (Newark)
July 1984 – July 1987	Postdoctoral Fellowship Reproductive Endocrinology Program, University of Michigan
September 1980 – June 1984	Reproductive Endocrinology, Predoctoral Fellowship Department of Neurobiology and Physiology, Northwestern University
September 1979- August 1980	Northwestern University Graduate Fellowship, Department of Biological Sciences, Northwestern University
September 1978 - August 1979	Florida State University Graduate Fellowship, Psychology Department, Florida State University

Service - Lehigh University

2015-present	Director of Student Success
2013-present	Tri-chair – Council on Equity and Community

2011-2015	Co-chair Steering Committee, Faculty and Staff of Color Network, Lehigh University
2012-present	Chair Internal Advisory Board – Lehigh ADVANCE
2009-2011	Director Graduate Program – Department of Biological Sciences, Lehigh University
2006- 2008	Chair, Task Force for Student Diversity, Lehigh University

Service - Professional Affiliations:

Commission on Higher Education of the Middle States Association of Colleges and Schools:
Board of Appeals and Evaluation Team Member – Fall 2014 - present

Society for Behavioral Neuroendocrinology –
Co-chair - Professional Development (education committee) -2011- 2015
Public Communication Committee – 2009- present;
Diversity Committee 2010- present
Board member 2002 -2004
Program Committee 1999-2001

The Society for College and University Planning (SCUP)-
Academy Council Chair: 2011 – 2014
Board of Directors: 2011 – 2014
Annual Fund Committee: 2013- 2015

Society for Neuroscience –
Committee on Professional Development and Diversity: Fall 2009- 2012
Committee on Literacy/Public Education Committee; Fall 2005 – 2012

Sigma Xi – Treasurer Lehigh Chapter - 2006-2009

NorthEast Undergraduate Research Organization for Neuroscience – Board member; 2005- 2008

Organization for the Study of Sex Differences - Member; 2007

Publications-Refereed Journals

Wang J, Swann JM. (2014) Connections of the magnocellualr medial preoptic nucleus (MPN mag) in male Syrian hamsters. II The efferents. Neuroscience 274:102-18. doi: 10.1016/j.neuroscience.2014.05.014. Epub 2014 May 20.

Garelick T, Swann J. (2014) Testosterone regulates the density of dendritic spines in the male preoptic area. Horm Behav. 65(3):249-53. doi: 10.1016/j.yhbeh.2014.01.008. Epub 2014 Jan 31.

Swann JM, Richendrfer HA, Dawson L, Nack E, Whylings J, Garelick T. (2013) Exposure to female pheromones stimulates a specific type of neuronal population in the male but not the female magnocellular division of the medial preoptic nucleus (MPN mag) of the Syrian hamster. Horm Behav 64(3):421-9. doi: 10.1016/j.yhbeh.2013.06.004. Epub 2013 Jun 15.

Richendrfer HA, Swann JM. (2010) Neuronal composition of the magnocellular division of the medial preoptic nucleus (MPN mag) is sex specific in the Syrian hamster (Mesocricetus auratus) Brain Res. 1351 97-103.

Smith JM, Hechtman A, Swann J. (2010) Fluctuations in cellular proliferation across the light/dark cycle in the subgranular zone of the dentate gyrus in the adult male Syrian hamster. Neurosci Lett 473(3):192-5.

Venditti JJ, Swann JM, Bean BS (2010) Hamster Sperm-Associated Alpha-L-Fucosidase Functions During Fertilization. Biol Reprod 2010 82(3):572-9.

Richendrfer HA, Wetzel JA, Swann JM (2009) Temperature, peroxide concentration, and immunohistochemical staining method affects staining intensity, distribution, and background. Appl Immunohistochem Mol Morphol;17(6):543-6.

Govek EK, Swann JM. (2007) Stereological sex difference during development of the magnocelluar subdivision of the medial preoptic nucleus (MPN mag). Brain Res. 1145: 90-6.

Wang J, Swann JM. (2006) The magnocellular medial preoptic nucleus I. sources of afferent input. Neuroscience;141(3):1437-56.

Wood RI, Swann JM (2005) The bed nucleus of the stria terminalis in the Syrian hamster: subnuclei and connections of the posterior division. Neuroscience.;135(1):155-79.

Swann, JM, Wang J. and Govek. EK (2003) Introducing the MPN mag: a critical area mediating pheromonal and hormonal regulation of male sexual behavior. N Y Acad Sci.1007:199-210.

Govek EK, Wang J, Swann JM. (2003) Sex differences in the magnocellular subdivision of the medial preoptic nucleus in Syrian hamsters. Neuroscience.;116(2):593-8.

Swann J, Rahaman F, Bijak T, Fiber J. (2001) The main olfactory system mediates pheromone-induced fos expression in the extended amygdala and preoptic area of the male Syrian hamster. Neuroscience: 105, 695-706.

Lonstein J.S., Simmons D.A., Swann J.M. and Stern J.M. (1998) Forebrain expression of c-fos due to active maternal behaviour in lactating rats. Neuroscience 82, 267-81

Swann, J.M. and Fiber, J.M. (1997) Sex differences in function of a pheromonally stimulated pathway: role of steroids and the main olfactory system. Brain Research Bulletin 44, 409-414.

Fiber, J.M. and Swann, J.M. (1997) Testosterone differentially influences sex-specific pheromone-stimulated fos expression in limbic regions of Syrian hamsters. Hormones and Behavior 30, 455-473.

Swann, J.M. (1997) Gonadal steroids regulate behavioral responses to pheromones by actions on a subdivision of the medial preoptic nucleus. Brain Research 750, 189-194.

Burroughs, L. F., Fiber, J. M. and Swann, J.M. (1996) Neuropeptide Y in hamster limbic nuclei - lack of colocalization with substance P Peptides 17, 1053-1062

Schneider, J. E., Finnerty, B.C. Swann, J.M. and Gabriel, J.M. (1995) Glucoprivic treatments that induce anestrus but do not affect food intake increase FOS-like immunoreactivity in the area postrema and nucleus of the solitary tract in Syrian hamsters. Brain Research 698, 107-113.

Fiber, J.M. , Adames, P. and Swann, J. (1993) Pheromones induce c-fos in limbic areas regulating male hamster mating behavior. NeuroReport 4,871-874

Damlama, M and Swann, J.M.. (1993) Substance P and neurokinin K are colocalized in the central chemosensory pathway of the male golden hamster. Neuropeptides 4, 327-334.

Chinapen, S., Swann, J. M., Steinman, J. L. and Komissaruk, B. R. (1992) Expression of c-fos protein in lumbosacral spinal cord in response to vaginocervical stimulation in rats. Neuroscience Letters 145, 93-96.

Wood, RI, Brabec, R.K. Swann, J.M. and Newman, S.W. (1992) Androgen and estrogen concentrating neurons in chemosensory pathways in the male Syrian hamster brain. Brain Research 596: 89-98.

Swann, J.M. and Newman, S.W. (1992) Testosterone regulates substance P within neurons of the medial nucleus of the amygdala, the medial bed nucleus of the stria terminalis and the medial preoptic area of the male golden hamster. Brain Research 590: 18-28.

Swann J. M. and **Macchione**, N. (1992) Photoperiodic regulation of Substance P Immunoreactivity in the Mating Behavior Pathway of the Male Golden Hamster. Brain Research 590: 29-38.

Neal, C.R. Jr., Swann, J.M. and Newman, S.W. (1989) The colocalization of substance P and prodynorphin immunoreactivity in neurons of the medial preoptic area, bed nucleus of the stria terminalis and the medial nucleus of the amygdala of the Syrian hamster. Brain Research 496: 1-13.

Swann, J. M. and Turek, F. W. (1987) Transfer from long to short days reduces the frequency of pulsatile LH release in intact but not in castrated male golden hamsters. Neuroendocrinology 47: 343-349.

Pieper, D.R., Unthank, P.D., Shuttie, D.A., Lobocki, C.A., Swann, J.M., Newman, S.W. and Subramanian, M.G. (1987) Olfactory bulbs influence testosterone feedback on gonadotropin secretion in male hamsters on long or short photoperiod. Neuroendocrinology 46: 318-323.

Swann, J.M. and Turek, F.W. (1985) Multiple oscillators regulate the timing of behavioral and endocrine rhythms in female golden hamsters. Science 228, 898-900.

Swann, J.M. and Turek, F.W. (1982) The cycle of lordosis behavior in female hamster whose activity rhythms have split into two distinct components. Amer. Journ. Physiol. 243, R112-R118.

Stephan, F.K. , Swann, J.M. and Sisk, C.L. (1979) Anticipation of 24 hour feeding schedules in rats with lesions of the suprachiasmatic nuclei. Behav. Neurol. Biol. 25: 346-363.

Stephan, F.K. , Swann, J.M. and Sisk, C.L. (1979) Entrainment of circadian rhythms by feeding schedules in rats with lesions of the suprachiasmatic nuclei. Behav. Neurol. Biol. 25: 545-554.

Publication-Abstracts

J. Bragues and JM Swann (2016) The role of TrkB and BDNF in the steroidal regulation of the MPN mag and to facilitate copulatory behavior in the male Syrian hamster. Annual meeting of the Society for Behavioral Neuroendocrinology. Winner – Gaduate Poster Award

J. M. Swann, C. Martin-Fairey, A. Nunez (2013) Sex Differences in the BDNF in the MPN mag. Hormones and Behavior, 64

J. M. Swann, C. Martin-Fairey, A. Nunez (2012) Role of steroids in the regulation of growth factors in the medial preoptic area. Neuroscience Meeting Planner. New Orleans: Society for Neuroscience 2012

J.M Swann, T. Garelick (2011) Steroidal regulation of dendritic spines in the MPNmag. Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience 2011

T. Garelick, J.M Swann (2011) Testosterone regulates the physical association of nNOS to NMDA receptors in the medial preoptic area via the scaffolding protein PSD-95. Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience 2011

H. Richendrfer, J. M. Swann (2010) Neurons with a single nucleolus mediate male sex behavior in the magnocellular medial preoptic nucleus (MPNmag) in response to pheromonal stimulation in Syrian hamsters. Hormones and Behavior, 58

S. Park, J. M. Swann (2010) Androgens and plasticity of dendritic spines in the medial preoptic area of adult Syrian hamster. Hormones and Behavior, 58

H. Richendrfer, J. M. Swann (2009) Sex differences in neuronal subtype of the MPN mag in Syrian hamsters Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2010

H. Richendrfer, J. M Swann (2009) THE MPN mag of Syran hamsters is sexually dimorphic in

neuronal subtype. Hormones and Behavior 56, pg 76

J. M. Heitzer, J. M. Swann (2008) Circadian variations of cell proliferation in the dentate gyrus of the adult hamster. Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience 2008

H. Richendrfer, J. M. Swann (2008) Sex differences during development of the MPN mag in Syrian hamsters using NeuN labeling. Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience 2008

J. WETZEL, H. RICHENDRFER, *J. M. SWANN (2008) The role of apoptosis in sexual differentiation of the MPN mag of the Syrian hamster. Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience 2008

J. M. Heitzer, J. M. Swann (2006) Pheromonal influences on Fos expression in the anteroventral periventricular nucleus of the male Syrian hamster. Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience 2006

H. Richendrfer, J. M. Swann (2006) Projections from the MPN mag to the LPGi in male and female Syrian hamsters. Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2006

X. Li, J. M. Swann (2006) The effect of testosterone on synaptic density in the MPN mag using synaptophysin and gephyrin as markers. Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2006

Li, X. and J.M. Swann, (2005) Synaptic density in the MPN mag under the effect of testosterone. Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2005

Li, X. and J.M. Swann, (2005)Synaptic density in the MPN mag using synaptophysin as a marker. Hormones and Behavior. 48(1): p. 111

Rhodes, K and Swann JM. Postnatal steroid treatment alters hormonal regulation of social preference. Hormones and Behavior 48 (1) 222.

Swann,J.M.and N.**Singh** (2004) Time course of differential cell death in the magnocllular preoptic nucleus (MPN mag) of the Syrian hamster. Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2004

Goldberg, J., M. **Wilkens** and J. Swann (2004) Oil, cupid's arrow. Store bought oils induce female sex behavior in Syrian hamsters. Hormones and Behavior 46 (1) 89.

Motroni, A.K. and J.M. Swann (2004) Neuronal morphology of the magnocllular subdivision of the medial preoptic nucleus using golgi technique in intact and castrated male hamsters. Hormones and Behavior 46 (1) 96

Peiris, N.B. and J.M Swann, (2004) Projections from the magnocellular subdivision of the medial preoptic nucleus to the deep mesencephalic nucleus in male and female Syrian hamsters. Hormones and Behavior 46 (1) 98

Singh, N. and J.M Swann (2004) Apoptosis during the development of the magnocellular subdivision of the medial preoptic nucleus in male and female hamsters. Hormones and Behavior 46 (1) 102

Vijayaraghavan, S., J.M Swann and S.F Perry (2004) Development of olfactory pathways in Syrian hamsters. Hormones and Behavior 46 (1) 103

Zelfon, H. and J.M. Swann (2004) Effects of perinatal hormone treatments on Syrian hamster preference for conspecifics. Hormones and Behavior 46 (1) 104

Wang J., J.M. Swann. (2002) Distribution of estrogen receptor-alpha (ER) in the Syrian hamster brain. Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2002

Swann J.M., J. Wang. (2002) Direct projection from the magnocellular preoptic nucleus (MPN MAG) to the periaqueductal grey (PAG) in the Syrian hamster. Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2002

Szymanski L.A., J.M. Swann. (2002) Distribution of galanin neurons in the BNST AND MPOA of Syrian hamsters Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2002

Wang J. and J. M. Swann. (2001) Connections of the magnocellular medial preoptic nucleus. Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2001

Wang J. and J. M. Swann. (2000) Projections of the Medial Nucleus of the Amygdala in Female Hamsters. Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2000

Govek E. K. and J. M. Swann (2000) Stereological evaluation of the MPN mag in adolescent and adult Syrian hamsters. Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2000

Swann, J.M., Bijak, T. Gabriel, J.M. and Davis, A. (1996) The accessory olfactory system does not mediate pheromone-induced fos expression in the MeP, BNSTpm and MPN mag. Neuroscience Abstarcts 21:

Swann, J. M, and **Martinez,** F. (1995) Colocalization of androgen and glutamate receptors within limbic regions of the male Syrian hamster brain. *Neurosci. Abstr.* 20: 430.

Lonstiein, J.S. Swann, J.M. and Stern, J. M. (1995) c-fos expression in the brain of rats during lactation after mother-young interaction with or without suckling. *Neurosci. Abstr.* 21:465

Fiber, J.M. and Swann, J.M. (1995) Testosterone differentially regulates pheromone induced fos expression in limbic regions of male and female Syrian hamsters. *Neurosci. Abstr.* 21: 1747.

Gabriel-Sidhom, J.M. and Swann, J.M.(1994) Time course of restoration by testosterone on fos labeling in the MPOA of castrated hamsters is correlated with the restoration of mating behavior. *Neurosci. Abstr.* 20: 590

Newton, C.B. **Kotb**. N. and Swann, J.M.(1994) Testosterone regulates NPY immunoreactivity in the BNST, Me and amygdala of the male Syrian hamster. *Neurosci. Abstr.* 20: 520

Fiber, J.M., **Rahaman**, F. and Swann, J. M. (1994) Decrease in pheromone stimulated fos labeling in the bed nucleus of the stria terminalis (BNST) and medial nucleus of the amygdala (ME) after zinc sulfate treatment in male hamsters *Neurosci. Abstr.* 20: 330

Swann, J.M. (1993) Castration decreases c-fos labeling in the MPN mgn following exposure to female hamster vaginal secretions (FHVS). *Neurosci. Abstr.* 19: 1019

Fiber, J. M., **Burroughs**, L. F., Aziz, H., and Swann, J.M. (1993) Distribution of neuropeptide Y and its colocalization with substance P in the mating behavior pathway of the male Syrian hamster. *Neurosci. Abstr.* 19: 731.

Newton, C.B., **Khan**, M.B., **Powell**, K. and Swann, J.M. (1993) Androgen receptor and substance P are colocalized in the neurons of BNSTpm, MeP and MPNmgn in the male Syrian hamster. *Neurosci. Abstr.* 19: 731.

Chinapen, S., Swann, J. M., Burstein, R. and Komisaruk, B. R. (1993) Vaginocervical stimulation induces c-fos expression in lumbrosacral spinal cord neurons that project to the diencephalon. *Neurosci. Abstr.* 19: 1564

Schneider, J.E., Zhu, Y., Swann, J.M. and **Gabriel**, J.M.(1993) Glucose detectors in the brainstem control estrous cycles in Syrian hamsters. *Neurosci. Abstr.* 19: 1791.

Fadem, B.H., Schubert, K., Taylor, L., Swann, J. M., Shaikh, M.B., and Siegel, A. (1993) Distribution of substance P in brain and its role in aggressive behavior in gray short-tailed opossums *(Monodelphis Domestica).* *Neurosci. Abstr.* 19: 1391.

Fiber, J.M. Swann, J.M. (1992) Sexually dimorphic distribution of cfos immunoreactive cells in the medial nucleus of the amygdala and medial preoptic nucleus magnocellular following exposure to vaginal secretions. *Neurosci. Abstr.* 18:1202

Chinapen, S., Swann, J. M., Steinman, J. L. and Komisaruk, B. R. (1992) Expression of c-fos protein in lumbrosacral spinal cord in response to vaginocervical stimulation (VS) in rats. *Neurosci. Abstr.* 18:494.

Swann, J.M and Pieper, D. (1992) Lesions of the bed nucleus of the stria terminalis increase the free running period of hamsters maintained in constant darkness. Annual Meeting of the Society for Research on Biological Rhythms.

Newton, C.B. and Swann, J.M. (1991) Distribution of neurokinin B in the central nervous system of the male Syrian hamster. *Neurosci. Abstr.* 17:963

Fiber, J.M. and Swann, J.M. (1991) Female hamster vaginal secretion stimulates c-fos expression in the vomeronasal and olfactory mating behavior pathways in the male Golden hamster. *Neurosci. Abstr.* 17:1060

Swann, J. and Turek, F. (1983) Photoperiodic regulation of pulsatile LH release in castrated and intact male golden hamsters. Abstracts of the 65th meeting of the Endocrine Society.

Swann, J. and Turek, F. (1983) Effects of naloxone on serum LH levels in testosterone treated castrated animals exposed to short days. Abstracts of the 67th meeting of FASEB.

Turek, F.W. and Swann, J.M. (1983) Internal and external factors that regulate the pulsatile release of pituitary luteinizing hormone. Abstracts of the 3rd European Winter Conference on Hormone Research.

Swann, J.M. (1981) Effects of the female on short day induced testicular regression in male golden hamsters. Biol. Reprod. 24, S#1.

Swann, J.M. and Scott, D.A. and Turek, F.W. (1980) Behavioral estrus in hamsters following the splitting of the circadian locomotor activity rhythm into two distinct components. Biol. Reprod. 23, S#1.

Stephan, F.K. and Swann, J.M. (1979) Anticipation of 24 hour feeding schedules in rats with lesions of the suprachiasmatic nuclei and hypophysectomy. Abstracts of the Society for Neuroscience 9th Annual Meeting.

Stephan, F.K. and Swann, J.M. (1978) Anticipation of 24 hour feeding schedules in rats with lesions of the suprachiasmatic nuclei. Abstracts of the Society for Neuroscience 8th Annual Meeting .

Books and Chapters

Petrulis, A., Fiber, J.M., Swann, J.M. (2017) The Medial Amygdala, Hormones, Pheromones, Social Behavior Network, and Mating Behavior. In: Pfaff, D.W and Joëls, M. (editors-in-chief), Hormones, Brain, and Behavior 3rd edition, Vol 1. Oxford: Academic Press;. pp. 329–343.

Swann, J.M., Fabre-Nys, C and Barton, R. (2009) Hormonal and pheromonal modulation of the extended amygdala: implications for social behaviour. *Hormones, Brain and Behavior*, D.W. Pfaff (ed.), 2nd edition, Academic Press,.

Wood, R.I. and Swann, J. M. (1999) Neuronal integration of chemosensory and hormonal signals

in the control of male sexual behavior. In: *Reproduction in Context,* K. Wallen and J. Schneider eds. MIT Press, Cambridge, MA.
Turek, F.W. and Swann, J.M. and Earnest, D.J. (1984) Role of the circadian system in reproductive phenomena. In: *Rec. Progr. Horm. Res. 40,* R.O. Greep, ed. Acad. Press Inc.

Turek, F.W. Earnest, D.J. and Swann, J.M. (1982) Splitting of the circadian rhythm of activity in the hamster. *In: Vertebrate Circadian Systems: Structure and Physiology,* J. Aschoff, S. Daan and G.A, Gross eds. Springer-Verlag, Berlin.

Swann, J.M. (1984) The circadian system and the estrous cycle of the golden hamster. Ph.D Thesis, Department of Neurobiology and Physiology, Northwestern University.

Swann, J. M. (1979) The role of the vagus and the hypophysis in the entrainment of circadian rhythms by food. M.S Thesis, Psychology Department, Florida State University.

Proceedings

Stephan, F.K., Swann, J.M. and Sisk, C.L. (1979) Multioscillator control of circadian rhythms. In: Psychophysiological aspects of sleep: Proceeding of the Third International Congress of Sleep Research, Noyes Med. Pub., pp 64-69

Swann, JM and Perreira ND, (2007) Animal-like sensor-based robot motions: learning from nature. An interdisciplinary project for rising sophomores at Lehigh University. Proceedings of IMECE2007.

Invited talks and Presentations

Panel member – "Optimizing the Mentor-Trainee Relationship". Annual Meeting of the Society for Neuroscience Professional Development Workshop. November 13th, 2016

"Deconstructing Affirmative Action" Lehigh Speaks: Challenging Global Concepts April 4th 2014

"Sex differences in the brain: A Tale of Two Membranes" Morgan State, October 2013

"Sex differences in the brain: A Tale of Two Membranes" Susquehanna University February 2013

" Animal-like sensor-based robot motions: learning from nature. An interdisciplinary project for rising sophomores at Lehigh University. Proceedings of IMECE2007 2007 ASME International Mechanical Engineering Congress and Exposition November 11-15, 2007, Seattle, Washington, USA

"Sex, steroids and the nose" Keyonote speaker breakfast meeting of the 10th ANNUAL CONFERENCE of the Northeast Undergraduate Research Organization for Neuroscience, Held Saturday April 8, 2006 at Hunter College, CUNY, New York, New York

"Sex Differences in the Organization of the Hamster Brain or This is Your Brain on Steroids" Drew Summer Science Institute, Drew University, August 2004

"Sex Differences in the Organization of the Hamster Brain or This is Your Brain on Steroids" Barnard, NYC April 2004

"Steroidal Regulation of Brain and Behavior" Dept. Psychology & Neuroscience, Ohio State University, Columbus Ohio, April 2004

Sex Differences in the Organization of the Hamster Brain or This is Your Brain on Steroids" State University of Albany, Psychology Department, July, 2003

"Sexual Differentiation of Chemosensory Pathways in the Hamster" The Biology Department of Spelman College, October, 2003.

"Sex Differences in the Organization of the Hamster Brain or This is Your Brain on Steroids" State University of Albany, Psychology Department, July, 2003

Presentor at the workshop on Minority Education - "Diversity in Research and Education: Building the Faculty We Need." 7th Annual Meeting of the Society for Behavioral Neuroendocrinology Cincinnati, Ohio June 25 - June 29, 2003

"Sex Differences in Pheromone Mediated Behaviors" Workshop on Steroid Hormones and Brain Function. Breckenridge , Co. March 29 - April 2, 2003

"Hormonal regulation of behavior: a tale of two sexes" 2nd International Meeting on Steroids and the Nervous System Torino (Italy) February 2003

"Neuroanatomical Evidence for the Organizational and Activational Effects of Gonadal Steroids" International Behavioral Neuroscience Society, Capri, Italy, June 19-23, 2002

"This Is Your Brain on Stress: A Tale of Three Men" Key note speaker at Sigma Xi dinner Middle Tennessee State University, March, 2002

"Sex Differences in Brain and Behavior or This is Your Brain on Steroids" Keynote address – Woman's and Black History Month, Middle Tennessee State University, March, 2002

"Sex Differences in Brain and Behavior or This is Your Brain on Steroids" Department of Biology, Middle Tennessee State University, March, 2002

"Sex Differences in Brain and Behavior or This is Your Brain on Steroids" Hershey Medical School, August 2000

"Sex Differences in Brain and Behavior or This is Your Brain on Steroids" Department of Psychology Shippensburg University March 2000

"Sex Differences in Brain and Behavior or This is Your Brain on Steroids" MBRS Program, Hunter College, April 2000

"Sex Differences in Brain and Behavior or This is Your Brain on Steroids" Dept of Biological Sciences, Smith College, April 2000

"Sex Differences in Brain and Behavior or This is Your Brain on Steroids" Department of Psychology Shippensburg University March 2000

"Sexual Differentiation of the Chemosensory Pathway" Binational Mexico-U.S. Workshop on Reproductive and Behavioral Neuroendocrinology, August, 1999 Queretaro, Mexico

"Organization and Activation of Behavior by Steroids - How Do They Do It? Yale University, May 1999

"Sex Differences in Function of a Pheromonally Stimulated Pathway: Role of Steroids and the Main Olfactory system" August, 1996 Vth International Conference on Hormones, Brain and Behavior, Mian Italy.

"Neural Basis for Sex Specific Behaviors" December 1996, Department of Biology, Millersville University. "Functional and Neurochemical Analysis of the Mating Behavior Pathway in the Male Syrian Hamster". February 1995, Department of Molecular Biology , Lehigh University.

"Functional and Neurochemical Analysis of the Mating Behavior Pathway in the Male Syrian Hamster". February 1995, Department of Biological Sciences, Clark Atlanta University, Atlanta GA

"Neurochemistry of the Vomeronasal Pathway Regulating Male Mating Behavior." Department of Psychology, Lehigh University 1992.

"Effect of Castration and Photoperiod on Neural Transmission in the Male Golden Hamster." Workshop on Photoperiodic Regulation of Reproductive Behavior at the 1992 Meeting of the Society for the Study of Circadian Rhythms.

"FHVS Stimulates Neuronal Function in the Mating Behavior Pathway of the Syrian Hamster." 1992 Conference on Reproductive Behavior Halifax, Nova Scotia.

"Steroidal Regulation of Neuropeptides in Male Mating Behavior Pathways." Department of Anatomy, University of Medicine and Dentistry of New Jersey: March, 1991.

"Steroidal Regulation of Neuropeptides in Brain Pathways Regulating Male Mating Behavior." Neuroscience Program, Michigan State University: September, 1990.

"Neuropeptides, Steroids and Mating Behavior in the Male Golden Hamster" Department of Physiology, Southern Illinois University : May 1989.

"Photoperiodic and Neuroendocrine Regulation of Male Hamster Reproduction" Department of Biology, Rutgers University : May, 1987.

"Photoperiodic and Testicular Regulation of Pulsatile LH Release in the Male Golden Hamster." Department of Anatomy, Rochester University : March, 1986.

"Role of the Circadian System in Estrous Cycle Regulation." Neuroscience Program, Michigan State University : February, 1985.

Students Supervised

Graduate students

Ph.D. students- advisor

Jeannie Fiber: Rutgers University Institute for Animal Behavior: Ph.D. Fall of 1995
Vicky Schwartz: Rutgers University: Institute for Animal Behavior: Ph.D. Spring 1996.
Jing Wang –Department of Biological Sciences; Lehigh University: Ph.D. 2003
Jonathan Fadem-. Department of Biological Sciences, Lehigh University
Holly Richendrfer -. Department of Biological Sciences, Lehigh University – Ph.D. 2010
Jeannie Heitzer-. Department of Biological Sciences, Lehigh University – PhD 2012
Tim Garelick - Department of Biological Sciences, Lehigh University
Joe Brague – Department of Biological Sciences, Lehigh University
Justina Wise - Department of Biological Sciences, Lehigh University
Nunana Gamedoagbao - Department of Biological Sciences, Lehigh University

PhD Thesis committee

Noah Benton - Department of Biological Sciences, Lehigh University, Ph.D. 2015
Kim Little - Department of Biological Sciences, Lehigh University, PhD 2013
Jennifer Sneckser Department of Biological Sciences, Lehigh University, Ph.D. 2010
Jennifer Gumm Department of Biologic al Sciences, Lehigh University, PhD 2009
Laura Syzmanski Department of Biological Sciences, Lehigh University, PhD 2008
Jennifer Gagliardi Department of Biological Sciences, Lehigh University, Ph.D. 2007
Carol Buckely Department of Biological Sciences, Lehigh University Ph.D. 2007
Robert Blum Department of Biological Sciences, Lehigh University, Ph.D. 2006
Sandra Chinapen: Institute for Animal Behavior: PhD 1997

Masters Students- advisor

Elizabeth Govek – Masters 2006
Dan Zhou : MS 1998
Xinliang Li: MS 2006

Rotations

Carlos Paladini: Ph.D. Institute for Animal Behavior; Rutgers
Meri Damlama: Ph.D. CMBN program, Rutgers
Kevin Byrnes: Masters student in Biological Sciences , Rutgers

Jim Fitzgerald: Masters student in Biological Sciences, Rutgers
Chenita Newton: Biological Sciences supported by the MBRS Program, Rutgers
Laura Syzmanski: Department of Biological Sciences, Lehigh University

Lehigh Undergrads with honors projects: Anna Childson, Kimberly Jordan, Kimberly Rhodes, Niluk Peiris, Olga Argeros, Eric Matthews, Sharon Chinthrajah, Keith Dombrowski , Sharon Roman, Vera Partem, Elana Nack, Swarupa Kancherla, Lindsay Dawson,Awani, Aron Hechtman, Joslyn Josephs

Lehigh Undergrads with supervised research: Dean Granot, Clifford Zinn, Matthew Asteak, Hayley Donaldson, Tiffany Montgomery, Tuan Pham, Cameron Feathers, Cimrin Bhala, Leah Fendrick, Bill- Bern Balthazar, Amanda Dilger, Amber Horner, Justin Johannesen, Swarupa Kancherla, Christopher Michael Mcginn, Cassandra Mifkovich, Rachel Moquette, Hieu Huu Nguyen, Andrew Stewart, Pamela Wilson, Lola Ademosu, Kelly Durbin, Danielle Freedman, Jordan Goldberg, Cassandra Mifkovic, Sean Keck, Sheila Ramanathan, Stephanie Rodgers, Swathi Vijayaraghavan, Tiffany Morrison Anita Thomas, Dede Ayite, Harly Zelfon, Johnathan Pinto, Josh Goldberg, Kelly Durbin, Lola Ademosu, Magarita Sergonis, Michelle Williams, Christine Roque, Folsahde Adeshuko, Tosha Asumuth , Shona Anthony, Shane Lutz , Amy Wall, Katie Griggs, Kirstin Thode, Mike Price, Arlene Davis, John Kosteva, Mari Veilleux, Allen Gevry, Beth Siegler

Students Rutgers University:

Rutgers Undergrads with Honors Theses:

Lance Burroughs Faizal Rahaman, Hany Aziz, Yeshim Endaz, Nick Macchione

Rutgers Undergrads with Independent Research

Georgina Deborah, Chloe Balfour, Jerry Sheen, Nishimita Mody, Diana Hanson, Teresa Bijak, Cordel Nworkeja, Patria Adames, Felix Martinez, Lance Burroughs, Faizal Rahaman