

Maria L. Boccia
Curriculum Vitae

Child and Family Studies Program
Department of Human Sciences & Design
Robbins College of Health and Human Sciences
Baylor University
One Bear Place 97346
Waco, TX 76798-7346

Phone: 254-710-6193
Cell: 919-225-6853
FAX: 254-710-3629
email: Maria_Boccia@Baylor.edu

Education

Academic degrees:

- 2003 Doctor of Ministry
Gordon-Conwell Theological Seminary - Charlotte, NC
Major: Marriage & Family Therapy
Thesis: An integrated view of marital and family therapy illustrated with case-study material
- 1993 Master of Arts
Denver Seminary, Denver Colorado
Major: New Testament
Non-thesis degree
- 1981-1983 Post-doctoral Fellow
Psychology Department, University of Denver
Developmental Psychology
- 1981 Doctor of Philosophy
Zoology Department, University of Massachusetts at Amherst
Major: Zoology
Dissertation: A Functional Analysis of Grooming Patterns and the Role of Site Preferences in the
Social Relations of Rhesus Monkeys
- 1979 Master of Science
Zoology Department, University of Massachusetts at Amherst
Major: Zoology
Non-thesis degree

1974 Bachelors of Arts
Biology Department, State Univ of New York at Geneseo
Major: Biology

Licensure and certifications:

Texas Marriage and Family Therapist, license No. 202684, since 12/04/2015.
Texas Marriage and Family Therapy Supervisor, license No. 202684, since 08/2016.
North Carolina Marriage and Family Therapist, license No. 1168, since 8/25/2006.
North Carolina Licensed Professional Counselor, License No. 5387, since 3/26/2007.
American Association of Marriage and Family Therapists Approved Supervisor, No. 103232, since 6/2010.
Certified Sex Therapist, American Society of Sexuality Educators, Counselors and Therapists, since 10/2/2006
Certified Christian Sex Therapist, American Board of Christian Sex Therapists, Cert No. 128, since 10/15/2007

Academic Employment History

2015 - present	Professor, Child and Family Studies Program, Department of Human Sciences and Design, Baylor University. <i>Responsibilities include teaching, research, and service in the area of child and family studies.</i>
2019-2022	Graduate Program Director for CFS Department
2021-2022	Interim Associate Co-Chair of the Human Sciences and Design Department
2008-2015	Therapist/director, Counseling Ministry Resources, a private practice, Charlotte NC. <i>Responsibilities included counseling individuals, couples, and families for a variety of presenting issues, with an emphasis on sexual difficulties, as well as marketing and management of the counseling office.</i>
2006-2015	Sex Therapist, Center for Sexual Health and Education. <i>Provide sex therapy for individuals and couples, and education for health care professionals.</i>
2007-2013	Director, Graduate Programs in Counseling and Professor of Pastoral Counseling and Psychology, Gordon-Conwell Theological Seminary - Charlotte, 2007-2013. <i>Responsibilities included:</i> <i>Curriculum review/revision and new program development; fund raising; marketing and student recruitment; grant writing to support educational innovation; faculty and administrative staff hiring and firing; personnel management and performance evaluations; budget development and monitoring;</i>

clinical practica and internship coordination; training clinical supervisors; providing supervision; managing student issues; graduate course instruction. I also completed creation and implementation of the Institutional Review Board for the Protection of Human Subjects, which another faculty member had initiated.

2007-2021 Adjunct Professor, Department of Psychiatry, School of Medicine, University of North Carolina at Chapel Hill.
Responsibilities included collaborating on research with faculty.

2005-2010 Affiliated Scientist, Yerkes National Primate Research Center, Emory University
Responsibilities included collaborating on research program with faculty at the center.

1993-2007 Fellow & Scientist, Frank Porter Graham Child Development Center, University of North Carolina at Chapel Hill.
Responsibilities included collaborating in research program with faculty at the center, conducting own research, writing grants, publishing, and service to the center and university, and the following additional positions.

2003-2007 Therapist, Center for Psychological and Family Services.
Responsibilities included providing counseling to individuals, couples, and families for a variety of presenting issues, with an emphasis on sexual difficulties.

1997-2002 Graduate Faculty, Neuroscience Curriculum, University of North Carolina at Chapel Hill.
Responsibilities included collaborating on research with faculty, mentoring students, and participating in professional development activities.

1993-2001 Director, Observational Methods Core, Frank Porter Graham Child Development Center at the Unive of North Carolina at Chapel Hill.
Responsibilities included creating and directing a Service Core providing intellectual and material support for observational research in the NIH-funded Mental Retardation Research Center.

1993-2001 Research Associate Professor, Psychology Department (Developmental), University of North Carolina at Chapel Hill.
Responsibilities included teaching a graduate seminar, and collaborating in research program with faculty at the department.

1986-1993 Assistant Professor, Department of Psychiatry, University of Colorado Health Sciences Center.

1992-1993 Assistant Director, CPH Primate Laboratory, Univ. Colorado Health

- Sciences Center.
Responsibilities included supervision of lab personnel, coordination of access to laboratory resources, scheduling research protocols.
- 1987-1993 Adjunct Professor, Psychology Dept, Univ. of Denver.
Responsibilities included teaching undergraduate and graduate courses in psychology.
- 1986 Research Associate, Primate Laboratory, University of Colorado Health Science Center.
Responsibilities included conducting research, writing grants, and publishing.
- 1986 Research Consultant, University of Denver, Mark Laudenslager.
Responsibilities included conducting research, writing grants, and publishing.
- 1983-1986 Assistant Professor, Psychology Department, Oklahoma Baptist University, Shawnee, OK.
Responsibilities included teaching courses in psychology, providing advising to students, and service to the university. During my tenure, I also created the Institutional Review Board for the Protection of Human Subjects, which had not existed at the university before my arrival.
- 1981-1983 Post-doctoral Fellow, Psychology Department, University of Denver, under the direction of Joseph J. Campos.
Responsibilities included conducting research, writing grants, and publishing, attending post-doctoral seminars.
- 1976-1981 Graduate student, Zoology Department, University Massachusetts at Amherst.
1979-1981 Teaching Associate, Zoology Department, Univ. Massachusetts.
1979 Instructor, Continuing Education, Univ. Massachusetts.
1976-1979 Teaching Assistant, Zoology Department, Univ. Massachusetts.
1978 Research Assistant, Psychology Department, University of Massachusetts, for Alan C. Kamil.
1976-1981 Research Assistant, Psychology Department, University of Massachusetts, Melinda A. Novak.

Scholarly/Creative Activity

My research program focuses on attachment relationships and their disruption, and the impact of these on mental and physical health. Because of the length of this bibliography, rather than listing in chronological order, I have subdivided it into sections, corresponding to the sub-themes within my program of research. Within each section, scholarly works are listed in this order: refereed journal articles, books/chapters, published abstracts, and

presentations.

Table of Contents:

Research on relationship experience	Page 5
Neurobiological studies of the oxytocin system	Page 15
Developmental disabilities:	Page 14
Ethics, integration of faith and science	Page 16
Methodology	Page 18
Other	Page 20

Research on Relationship Experience

Publications: Peer-reviewed Journal Articles

- Boccia, M.L.** (2022). Social relationships and relational pain in brain tumor patients and their partners. Special issue of *Frontiers in Pain Research: Brain Tumor-Related Pain: Innovative Approaches to Diagnosis, Treatments and Quality of Life Issues*.
- Leeper, H. E., et al. (2022). "Proceedings of the Survivorship Care in Neuro-Oncology Workshop sponsored by the Comprehensive Oncology Network Evaluating Rare CNS Tumors (NCI-CONNECT)." *Neuro-Oncology Advances* 4(1): 1-14. <https://doi.org/10.1093/noajnl/vdac029>
- Boccia, M.L.**, Coggeshall, A., Ikedionwu, I., Wilfong, S. & Greathouse, K.L. (In revision). Attachment to God style related to religiosity measures.
- Ikedionwu, I., Coggeshall, A., Greathouse, K.L. and **Boccia, M.L.** (In revision). Exploring the mediating effects of religiosity has on mental health and body composition. *Journal of American College Health*.
- Gatson, N.T.N., **Boccia, M.L.**, Taylor, K.R. & Fonkem, E. (2021). Hormone-dependent tumors & sexuality in the neuro-oncology of women (NOW): Women's brain tumors, gaps, sexuality considerations, and the need for evidence-based guidelines. *Current Oncology Reports* 23: 127. <https://doi.org/10.1007/s11912-021-01115-w>
- Tadipatri, R., Azadi, A., Cowdrey, M., Fongue S.F., Smith, P., Razis, E., **Boccia, M.** Ghouri, Y, Zozzaro-Smith, P., and Fonkem, E. (2021). Neuro-oncology palliative care survey of physicians in Sub-Saharan Africa. *Journal of Pain and Symptom Management*.
<https://doi.org/10.1016/j.jpainsymman.2021.04.011>

- Boccia, M.L.**, Anyanda, E.I. & Fonkem, E. (2021). A Preliminary Report on Quality of Life and Sexual Function in Brain Cancer Patients. *Journal of Sexual Medicine* 18(4): 737-742.
<https://doi.org/10.1016/j.jsxm.2021.01.171>
- Boccia, M.L.**, Cook, C., Walker, C., Marson, L., & Pedersen, C.A. (2020) Experience of parental divorce predicts adult oxytocin levels and attachment style. *Journal of Comparative Psychology*.
<http://dx.doi.org/10.1037/com0000248>
- Boccia, M.L.**, Melton, K., & Larson, M.,(2020). An overview of the use of oxytocin measures in leisure studies. *Journal of Leisure Research* 51(3): 366-376. DOI: 10.1080/00222216.2019.1687265
- Melton, K., Larson, M., & **Boccia, M.L.** (2019). Examining couple recreation & the release of oxytocin via the creation of family experience framework. *Journal of Marriage and Family*. DOI:10.1111/jomf.12556
- Boccia, M.L.** (2017). Adverse childhood experiences play crucial role in adult difficulties. *Texas Family & Consumer Sciences Journal*. 4(1), 9-20.
- Boccia, M.L.** (2016). How do early life experiences modulate sexual function, stress and pain? The role of serotonin in sexual function. *Current Sexual Health Reports* 8: 198-206. Doi 10.1007/s11930-016-0077~y
- Boccia, M.L.** (2011). Human interpersonal relationships and the love of the Trinity. *Priscilla Papers* 25(4): 22-26.
- Pedersen, C., Vadlamudi, S., **Boccia, M.** & Moy, S. (2011). Variations in maternal behavior in C57BL/6J mice: Behavioral comparisons between adult offspring of high and low pup-licking mothers. *Frontiers in Psychiatry*. doi: 10.3389/fpsy.2011.00042
- Boccia, M.L.**, Razzoli, M. Vadlamudi, S.P., Trumbull, W., Caleffie C.& Pedersen, C.A. (2007). Repeated long separations from pups produce depression-like behavior in rat mothers. *Psychoneuroendocrinology* 32(1): 65-71.
- Pedersen, C.A. & **Boccia, M.L.** (2006). Vasopressin interactions with oxytocin in the control of female sexual behavior. *Neuroscience* 139: 843-851.
- Pedersen, C.A., Vadlamudi, S.P., **Boccia, M.L.** Amico, J. (2005) Maternal behavior deficits in nulliparous oxytocin knockout mice *Genes, Brain, and Behavior* 5(3):274-81.
- Light, K.C., Grewen, K.M., Amico, J.A., **Boccia, M.L.**, Brownley, K.A. & Johns, J.M. (2004). Deficits in plasma oxytocin responses and increased negative affect, stress and blood pressure in mothers with cocaine exposure during pregnancy. *Addictive Behaviors*. 29: 1544-1564.
- Pedersen, C.A. & **Boccia, M.L.** (2003). Oxytocin antagonism alters rat dams' oral grooming and upright postures over pups. *Physiology and Behavior* 80(2-3): 233-241.
- Pedersen, C.A. & **Boccia, M.L.** (2002). Oxytocin links mothering received, mothering bestowed and adult

stress responses. *Stress*. 5(4): 259-267.

Pedersen, C.A. & **Boccia, M.L.** (2002). Oxytocin maintains as well as initiates female sexual behavior: Effects of a highly selective oxytocin antagonist. *Hormones and Behavior* 41(2):170-7.

Boccia, M.L. & Pedersen, C.A. (2001). Brief vs. long maternal separation in infancy: Contrasting relationships with adult maternal behavior, lactational levels of aggression and anxiety. *Psychoneuroendocrinology* 26: 657-672.

Boccia, M.L., Scanlan, J.M., Laudenslager, M.L., Broussard, C.L., Hijazi, A.S., & Reite, M.L. (1997). Juvenile friends, behavior, and immune responses to separation in bonnet macaque infants. *Physiology and Behavior* 61(2): 191-198.

Laudenslager, M.L., Berger, C.L., **Boccia, M.L.** & Reite, M.L. (1996). Natural cytotoxicity toward K562 cells by macaque lymphocytes from infancy through puberty: Effects of early social challenge. *Brain Behavior and Immunity* 19(3): 275-287.

Laudenslager, M.L., **Boccia, M.L.**, Berger, C.L., Gennaro-Ruggles, M.M, McFerran, B. & Reite, M.L. (1995). Total cortisol, free cortisol, and growth hormone associated with brief social separation experiences in young macaques. *Developmental Psychobiology*. 28(4): 199-211.

Boccia, M.L., Laudenslager, M.L., & Reite, M.L. (1994). Intrinsic and extrinsic factors in infant responses to maternal separation. *Psychiatry: Interpersonal and Biological Processes* 57: 43-50.

Reite M. & **Boccia M.** (1993). Psychosocial support during high-risk pregnancy [letter]. *New England Journal of Medicine*. 328(12):887.

Boccia, M.L. (1992). Refining the attachment model: Commentary on Kraemer's "A Psychobiological Theory of Attachment" *Behavioral and Brain Sciences* 15(3): 511-512.

Boccia, M.L., Reite, M., Kaemingk, K., Held, P. & Laudenslager, M. (1991). Social context and responses of peer-reared pigtail macaques to separation. *Primates* 32: 255-263.

Boccia, M. L., Reite, M. L., & Laudenslager, M. L. (1991). Early social environment may alter the development of attachment and social support: Two case reports. *Infant Behavior and Development* 14: 253-260.

Laudenslager, M.L., Held, P.E., **Boccia, M.L.**, Reite, M.L. & Cohen, J.J. 1990. Behavioral and immunological consequences of brief mother-infant separation: A species comparison. *Developmental Psychobiology* 23(3): 247-264.

Reite, M., Kaemingk, K. & **Boccia, M.L.** 1989. Maternal separation in bonnet monkey infants: Altered attachment and social support. *Child Development* 60: 473-480.

Boccia, M.L. and Campos, J.J. 1989. Maternal emotional communication, social referencing and infants' reactions to strangers. *New Directions in Child Development, Empathy and related emotional*

responses. Nancy Eisenberg, Ed. pp. 25-49.

Boccia, M.L., Reite, M., Kaemingk, K., Held, P. & Laudenslager, M. 1989. Behavioral and autonomic responses of peer-reared pigtail macaques to separation. *Developmental Psychobiology* 22: 447-461.

Boccia, M.L. and Campos, J.J. 1987. Social attentional processes in human and non-human primate infants. *Primate Reports* 18: 3-10.

Capitano, J.P., **Boccia, M.L.** and Colaianna, D. 1985. The influence of rank on affect perception by pigtail macaques. *American Journal of Primatology* 8:53-59.

Boccia, M.L. 1984. A test of the generalizability of the interval scale developed for social behavior of rhesus monkeys. *American Journal of Primatology* 6(2): 93-102.

Publications: Books, Chapters and Reviews

Fonkem, E., Gaston, NT, & **Boccia, M.L.** Guest editors of special issue of *Frontiers in Pain Research: Brain Tumor-Related Pain: Innovative Approaches to Diagnosis, Treatments and Quality of Life Issues*.

Pedersen, C.A., & **Boccia, M.L.** (2008). Oxytocin and mothers' developmental effects on their daughters. In: R.S. Bridges (Ed.) *Neurobiology of the parental brain*. NY: Elsevier. Pp 377-389.

Boccia, M.L. & Pedersen, C. (2001) Animal models of early experience and social and emotional development. In: *Critical Thinking About Critical Periods: Perspectives from Biology, Psychology, and education*. D. Bailey, F. Symons, J. Bruer, & J. Lichtman (Eds.). Baltimore, MD: Paul H. Brookes, Publ. Pp 107-127.

Reite, M.L. & **Boccia, M.L.** (1994). Physiological aspects of adult attachment. pp. 98-127 In: M.B. Sperling & W. H. Berman, (Eds.). *Attachment in Adults: Theory, Assessment, and Treatment*. NY: Guilford Publications.

Boccia, M.L. (1994). A review of "Mothering the mother: How a doula can help you have a shorter, easier, and healthier birth" by Marshall H. Klaus, John H. Kennell and Phyllis H. Klaus. *Women & Health* 21 (2/3): 182-184.

Laudenslager, M.L., **Boccia, M.L.** & Reite, M.L. (1993). Immunological consequences of loss in non-human primates: Individual differences. pp. 129-142 In *Bereavement: A Sourcebook of Research and Intervention*. R. O. Hansson, M. S. Stroebe, W. Stroebe, Eds. Cambridge University Press.

Published Abstracts

Boccia, M., Anyanda, E., & Fonkem, E. (2020). A preliminary report on quality of life and sexual function in brain cancer patients. *Neuro-Oncology* 22(S2), iii179.

Tadipatri, R., Azadi, A., Cowdrey, M. Fongue, S., Smith, P., Razis, E., **Boccia, M.**, & Fonkem, E. (2020). Neuro-oncology palliative care survey of physicians in sub-Saharan Africa. *Neuro-Oncology* 22(S2),

- Boccia, M.L.**, Cook, C, Marson, L. & Pedersen, C.A.. (2011). Oxytocin relationships with parental divorce and adult social motivation. *Journal of Sexual Medicine*, 8(S2); 67.
- Pedersen, C.A., Vadlamudi, S., **Boccia , M.L.** Breese, G.R., & Moy, S. (2006) Variations in mouse maternal behavior: relationships to adult offspring responses to stress and novelty. Program No. 166.1/AA20. 2006 Neuroscience Meeting Planner. Atlanta, GA: Society for Neuroscience, 2006. Online.
- Vadlamudi, S., **Boccia , M.L.**, Razzoli, M. & .Pedersen, C.A.. (2006) Variations in mouse maternal behavior: relationships to adult offspring responses to stress and novelty. Program No. 577.4/MM72. 2006 Neuroscience Meeting Planner. Atlanta, GA: Society for Neuroscience, 2006. Online.
- Boccia, M. L.;** Goursaud, A. S.; Bachevalier, J.; et al. (2005). Female rhesus monkeys' interest in infants and sexual behavior is reduced by peripherally administered non-peptide oxytocin antagonist, L368,899. *American Journal of Primatology*. 66 (S1): 72.
- Boccia, M.L.**, Razzoli, M. Vadlamudi, S.V., Trumbull, W., Caleffie, C.J., & Pedersen, C.A. (2005). Depression-like behavior in the swim test is increased in rat mothers and their adult offspring by repeated long postnatal separations. *Biological Psychiatry* 57 (8S): 1005.
- Boccia, ML.**, Goursaud, A.S. Bachevalier, J., Pedersen, C.A. (2005). Non-peptide oxytocin antagonist, L368,899®, reduces interest in infants and sexual behavior in rhesus monkeys when administered peripherally. *Biological Psychiatry* 57 (8S): 1475.
- Boccia, ML.**, Goursaud, A.S. Bachevalier, J., Pedersen, C.A. (2004). Peripherally administered nonpeptide oxytocin antagonist, L368,899®, reduces interest in infants and sexual behavior in rhesus monkeys. Program No. 212.8 2004 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience. Online.
- Razzoli, M. **Boccia, ML.**, Vadlamudi, S.P., & Pedersen, C.A. (2004). Interplay of postnatal maternal separation experience and maternal behavior received on behavior in lactating female rats. Program No. 212.8 2004 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience. Online.
- Pedersen, C.A., Vadlamudi, S., **Boccia, M.L.**, & Amico, J.A. (2004) Quantitative Measurements Reveal Pup-licking Deficits in the Maternal Behavior of Nulliparous Oxytocin Knockout Mice Program No. 440.2. *Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience, 2004. Online.
- Boccia, M.L.** & Pedersen, C. (2003). Daily long separations from pups increase swim test immobility in rat mothers. *Hormones & Behavior* 44(1): 39.
- Pedersen, C.A., Vadlamudi, S.V., Caleffie, C.J., **Boccia, M.L.** (2003). Repeated long separations from pups increase swim test immobility in rat mothers. Program No. 507.14. 2003 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience

- Pedersen, C.A. & **Boccia, M.L.** (2002) Postnatal oxytocin manipulations alter adult maternal behavior. Program No.# 878.3. *2002 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience.
- Pedersen, C.A. & **Boccia, M.L.** (2002) Postnatal oxytocin activity influences adult maternal behavior. *Hormones and Behavior*. 41(4): 483.
- Pedersen, C.A. & **Boccia, M.L.** (2000). Oxytocin transduces maternal care received in infancy into maternal care exhibited in adulthood. *Proceedings of the Meeting of the Society for Neurosciences*. Abstract #760.12.
- Boccia, M.L.** & Pedersen, C.A. (1999). Early maternal separation alters postpartum pup-licking and grooming, lactation-associated changes in aggression and anxiety, and central oxytocin binding in female offspring. *Proceedings of the Meeting of the Society for Neurosciences*. Abstract #261.3.
- Pedersen, C.A. & **Boccia, M.L.**, & Janowsky, D.S. (1999). Central Oxytocin shifts maternal licking and grooming from self to pups: A mechanism for intergenerational transmission of stress responsivity. *Proceedings of the Meeting of the Society for Neurosciences*. Abstract # 247.6.
- Sweeney, T.M., **Boccia, M.L.**, Gerhardt, G.A., Laudenslager, M.L., Teale, P. & Reite, M.L. (1994). MAO-A inhibitor administration mitigates behavioral, immunological, and neuroendocrine responses to separation in infant pigtail macaques (*Macaca nemestrina*). *American Journal of Primatology* 33: 243.
- Laudenslager, M.L., **Boccia, M.L.** Berger, C.L., & McFerran, B. (1993). Intercorrelations of behavioral endocrine, and immune parameters associated with brief maternal separations in young macaques. *American Journal of Primatology* 30: 326.
- Boccia, M.L.**, Laudenslager, M.L., & Reite, M.L. 1991. Heart rate level predicts biobehavioral response to separation in pigtail monkey infants (*Macaca nemestrina*). *American Journal of Primatology* 24: 90-91.
- Reite, M.L., Cox, M., Laudenslager, M.L., Garrick, N. & **Boccia, M.L.** 1991. Effect of monoamine oxidase-a inhibitor on maternal separation in pigtail monkey infants (*Macaca nemestrina*). *American Journal of Primatology* 24: 130.
- Reite, M., Laudenslager, M., Garrick, N., **Boccia, M.**, & Cox, M. 1991. Clorgyline effects on maternal separation in pigtail (*M. nemestrina*) monkey infants. *Psychosomatic Medicine* 53(3): 233-234.
- Scanlan, J.S., **Boccia, M.L.**, Laudenslager, M.L., & Broussard, C. 1990. Presence of social support affects behavioral and immunological response to maternal separation in infant bonnet macaques. *American Journal of Primatology* 20: 230-231.
- Laudenslager, M.L., Held, P.E., Gemmaro, M.M., **Boccia, M.L.** & Reite, M.L. 1990. Antibody production during maternal separation in nonhuman primates is closely related to behavior. *American Journal of Primatology* 20: 207.

- Rager, D.R., Laudenslager, M.L., Held, P.E. & **Boccia, M.L.** 1989. Some long term consequences of early mother-infant separation in nonhuman primates: Behavioral and immunological differences. *Society for Neurosciences Meeting Abstracts* 15: 297.
- Boccia, M.L.**, Reite, M., Cox, M. & Garrick, N. 1990. MAO-A inhibition and behavior in young monkeys. *American Journal of Primatology* 20: 175.
- Boccia, M.L.**, Reite, M., & Laudenslager, M. 1988. Social support, adoption, and maternal separation in a bonnet macaque infant. *American Journal of Primatology* 14(4): 411.
- Kaemingk, K., **Boccia, M.L.** & Reite, M. 1987. Behavioral responses of peer-reared pigtail monkey infants to social separation. *American Journal of Primatology* 12(3): 351.
- Boccia, M.L.** Kaemingk, K., Laudenslager, M., Held, P., & Reite, M. 1987. Behavior as a predictor of physiological and immunological responses to peer-separation. *American Journal of Primatology* 12(3): 330.
- Kaemingk, K., Reite, M., **Boccia, M.** & Whalen, J. 1987. Physiology in peer-reared pigtail monkey infants, part one: Normative heart rate and body temperature. *American Journal of Primatology* 12(3): 351.
- Reite, M., Kaemingk, K., **Boccia, M.**, Laudenslager, M., & Held, P. 1987. Physiology in peer-reared pigtail monkey infants, part two: Physiological responses to separation. *American Journal of Primatology* 12(3): 368.
- Presentations**
- Boccia, M.L.** & Fonkem, E. (2022). Sexuality and quality of life in brain tumor patients. Presented at the 2022 Global Conference on Nursing Science, Education & Research, "Science of caring and challenges around the world: present status and future prospects" June 27-28, virtual.
- Boccia, ML**, Anyanda, EI, Fonkem, E. (2022). Sexuality in brain tumor patients. Presented at the annual meetings of Texas Association of Marriage and Family Therapists, April 7-9, Ft Worth, TX.
- Boccia, ML.** (2022) "Quality of life and sexual function in brain cancer patients" presented at "Innovations in brain tumors diagnosis, treatments and quality of life issues" webinar, February 3. part of SNOSSA First Thursday Education Series "Continuing Medical Education in All Aspects of NeuroOncology"
- Boccia, ML**, Anyanda, EI, Fonkem, E. (2021) *Sexual Dysfunction in Brain Cancer Patients*. Presented at the International Conference on Cancer & Oncology, Dec 1-2, 2021, virtual
- Boccia, M.L.**, Coggeshall, A., Ikedionwu, I., Kulkarni, V., Wilfong, S. & Greathouse, L. (2021). Attachment to God Style Relates to God-concept, Religious Orientation, and Health. Poster presented at the annual meeting of the Christian Association for Psychological Studies.
- Coggeshall, A., Ikedionwu, I., Kulkarni, V., **Boccia, M.**, Greathouse, L. (2021). Investigating the relationship

between mental health and body composition on a college campus. Poster presented at the Heart of Texas Undergraduate Research Conference, March 27, 2021).

Boccia ML, Anayanda E, Fonkem E. (2020 March). Sexual dysfunction in relation to tumor type, location, and treatment in brain cancer patients. International Society for the Study of Women's Sexual Health.; Orlando, FL, US

Melton, K., **Boccia, M.** & Larson, M. (2020). The Impact of Novel-Environments on Oxytocin, Cortisol, Adrenaline, Noradrenaline, and Dopamine. Sequor Conference on Experience Design

Hodge, C. J., Melton, K. K., Chandler, K., & **Boccia, M.** (February 2019). To Boldly Go: Results & Lessons Learned from Novel Data Collection Methods. The Academy of Leisure Sciences. Greenville, SC.

Boccia, M.L. (2017). Parental divorce effects on adult social relationships: neurobiological linkages. Presented at the annual conference of the National Council on Family Relations

Melton, K., **Boccia, M.** & Larson, M. (2017). Impact of Family Experiences on Attachment: Examining Oxytocin Levels. Paper presented at the biennial meeting of the Society for Research In Child Development, April 6-8, Austin Texas

Boccia, M.L., Cook, C., Walker, C., Marson, L., & Pedersen, C.A. (2017) Experience of parental divorce in childhood predicts adult oxytocin levels. Paper presented at at the International Federation of Home Economics World Conference, Sligo, Ireland.

Boccia, M.L., Larson, M., & Melton, K. (2017). Physiological Measures: Understanding Individuals within the Context of Family Relations. Presented at the annual conference of the National Council on Family Relations as a part of a symposium, Conceptualization & Measurement of Shared Family Time: Using Psychological, Physiological, & Behavioral Measures.

Boccia, M.L., Larson, M., & Melton, K. (2017) Enhancing family experience research with physiological measures: Insights into psychological states. Paper presented at the annual meeting of the American Association of Family and Consumer Sciences, Dallas TX.

Melton, K.K & **Boccia, M.L.** (2016) Examining Oxytocin Level to Distinguish Impact of Family Activities on Attachment. Presented at the annual conference of the National Council on Family Relations, 2015 Innovative Research Grant Award.

Madeline Larson, Baylor University graduate student in Psychology & Neuroscience, (faculty sponsor, with Karen Melton). (2016). Oxytocin's relationship with attachment style and caregiving. Paper presented at the 2016 meeting of the Northeast District of the American Association of Family and Consumer Sciences.

- Boccia , M.L.**, Cook, C., Walker, C., Jones, D. Marson, L., & Pedersen, C.A.. (2011). Oxytocin relationships with parental divorce and adult social motivation. Paper presented at the annual meeting of the International Society for the Study of Women's Sexual Health.
- Cook, C. And **Boccia , M.L.** (2010). Correlations between early parental separation and adult social motivation. Paper presented at the Christian Association for Psychological Science East Conference.
- Boccia , M.L.** Marson, L., Pedersen, C.A.. & Overstreet, D. (2009) . Antidepressant treatment reduces behavioral indices of depression in a rat model of post-partum depression. Paper presented at the annual meeting of the International Society for the Study of Women's Sexual Health
- Boccia, M.L.**, Pederzani, T. & Pedersen, C.A. (2006) Sensitivity of Sexual Behavior to Induction by Estrogen Treatment Affected by Long Maternal Separation in Infancy. Women's Health Research Day, UNC-CH.
- Boccia, M.L.** & Pedersen, C.A. (2003). Swim test immobility is increased in rat dams by repeated long separations from pups. Poster presented at "Mother and Infant: Perinatal Influences on Health", June, 2003, Montreal Canada.
- Boccia, M.L.**, Pedersen, C.A., Razzoli, M., Gravitt, K. & Marson, L. (2005). "Diminished still crouching behavior and oxytocin neuron c-fos expression in rat mothers given pups that cannot suckle" presented at the 2005 annual meeting of International Society for the Study of Women's Sexual Health, in Las Vegas, NV
- Boccia, M.L.**, Goursaud, A.S. Bachevalier, J., Pedersen, C.A. (2004). "Interest in infants and sexual behavior in rhesus monkeys reduced by peripherally administered non-peptide oxytocin antagonist L368,889@" presented at the 2004 annual meeting of International Society for the Study of Women's Sexual Health, in Las Vegas, NV
- Boccia, M.L.** & Pedersen, C.A. (2003). Swim test immobility is increased in rat dams by repeated long separations from pups. Poster presented at "Mother and Infant: Perinatal Influences on Health", June, 2003, Montreal Canada.
- Pedersen, C.A. & **Boccia, M.L.** (2003). Oxytocin and oxytocin antagonist treatment of infant female rats alter their pup-licking as lactating adults. Poster presented at "Mother and Infant: Perinatal Influences on Health", June, 2003, Montreal Canada.
- Pedersen, C.A. & **Boccia, M.L.** (2001) Mother and infant oxytocin mechanisms contributing to intergenerational transmission of maternal behavior. Paper presented at the International Women's Mental Health Congress, Berlin, April 2001.
- Pedersen, C.A. & **Boccia, M.L.** (2001) Multiple roles of oxytocin in intergenerational transmission of maternal

behavior. Paper presented at the Neuroendocrine Workshop of the American Neuroendocrine Society, June 2001.

Pedersen, C.A. & **Boccia, M.L.** (1999). Maternal separation in infancy alters postpartum grooming of offspring, lactation-associated changes in fear and aggression, and central oxytocin binding. Poster presented at the third annual meeting of the Society for Behavioral Neuroendocrinology, Charlottesville, VA.

Pedersen, C.A. & **Boccia, M.L.** (1999). Maternal separation in infancy affects postpartum maternal behavioral and lactation-associated changes in aggression and fear. Paper presented at the biennial meetings of the Society for Research in Child Development, Albuquerque, NM.

Boccia, M.L., Laudenslager, M.L., & Reite, M.L. 1996. Physiological aspects of attachment: Results from a primate model. Presented in a symposium "Impact of early experience on adult susceptibility to stress" at the Fourth International Congress of Behavioral Medicine, meeting jointly with the Society of Behavioral Medicine, Washington D.C.

Laudenslager, M.L. **Boccia, M.L.** & Reite, M. 1992. Social contact in young nonhuman primates: Implications for immunoregulation. Paper presented at an invited symposium "The Importance of Touch in Early Infancy" at ICIS, Miami, Florida.

Laudenslager, M., **Boccia, M.**, & Reite, M. 1991. Social contact in young non-human primates: Implications for immunoregulation. Paper presented at ICIS Symposium: The Importance of Touch.

Boccia, M.L., Reite, M.L. & Laudenslager, M.L. 1990. Early social development may alter the development of attachment and social support: Two case reports. Paper presented at the Fifth Biennial Retreat of the Developmental Psychobiology Research Group.

Reite, M.L., **Boccia, M.L.** & Hijazi, A.S. 1990. Maturation and behavioral effects of nocturnal sleep and physiological parameters in pigtail monkeys (*Macaca nemestrina*). Paper presented at the Fifth Biennial Retreat of the Developmental Psychobiology Research Group.

Laudenslager, M.L. Rager, D.R., Held, P.E., Gennaro, M., **Boccia, M.L.** & Reite, M. 1990. Some preliminary observations on the long term consequences of early brief maternal separation in nonhuman primates. Paper presented at the Fifth Biennial Retreat of the Developmental Psychobiology Research Group.

Laudenslager, M., Rager, D., Held, P., & **Boccia, M.** 1989. Some long term behavioral and immunological consequences of early maternal separation in nonhuman primates: Some preliminary observations. Paper presented at the Winter Conference on Brain Research.

Boccia, M.L., & Reite, M. 1987. Primate models of affective disorders. Paper presented at NIMH Workshop on Primate Models of Human Psychopathology, Bethesda, Maryland, sponsored by NIMH Extramural Research Support Program.

- Boccia, M.L.** and Campos, J.J. 1986. Symposium presented at the Eleventh Biennial Congress of the International Primatological Society, Gottingen, West Germany, entitled "Social Attentional Processes in Human and Non-human Primates".
- Boccia, M.L.** and Campos, J.J. 1986. Social monitoring and social referencing: Perspectives from human and nonhuman research. Paper presented at the Eleventh Biennial Congress of the International Primatological Society, Gottingen, West Germany.
- Boccia, M.L.**, Campos, J.J. and Goldsmith, H.H. 1986. A longitudinal twin study of behavioral fearfulness and heartrate variability. Paper presented at the Annual Meetings of the Behavior Genetic Society, Honolulu, Hawaii.
- Boccia, M.L.**, Goldsmith, H.H., & Campos, J.J. 1986. Twin studies of inhibition and distress. Paper presented at the Behavioral Inhibition Conference, sponsored by the MacArthur Foundation, at Harvard University, Boston, MA.
- Boccia, M.L.** and Campos, J.J. 1983. Maternal emotional signaling and infants' reactions to stranger. Paper presented at the biennial meeting of the Society for Research in Child Development, Detroit, MI.

Neurobiology of the Oxytocin System

Publications: Peer-reviewed Journal Articles

- Boccia, M.L.**, Petrusz, P, Suzuki, K., Marson, L., Pedersen, C.A.. (2013) Immunostaining of oxytocin receptors in human brain. *Neuroscience* 253: 155–164.
- Boccia, M.L.**, Goursaud, A.S. Bachevalier, J., Pedersen, C.A.(2007). Peripherally administered non-peptide oxytocin antagonist, L368,8997, reduces interest in infants and sexual behavior in female rhesus monkeys. *Hormones & Behavior*. 52(3): 344-351.
- Boccia, M.L.**, Panicker, A., Pedersen, C. & Petrusz, P. (2001). Oxytocin receptors in non-human primate brain visualized with monoclonal antibody. *NeuroReport*. 12: 1723-1726.

Published Abstracts

- Boccia, M.L.** Amico, J. Vadlamudi, S. & Pedersen, C.A.. (2006) Oxytocin knockout mice exhibit depression-like behavior in the tail suspension test. Program No. 151.4/O14. 2006 Neuroscience Meeting Planner. Atlanta, GA: Society for Neuroscience, 2006.
- Marson, L., Gravitt, K., **Boccia, M.L.** & Pedersen, C.A.. (2006) The time course of oxytocin neuron

activation after progesterone treatment in estradiol-primed female rats. Program No. 259.14/AA23. 2006 Neuroscience Meeting Planner. Atlanta, GA: Society for Neuroscience, 2006.

Boccia, M.L., Petrusz, P., Suzuki, K., Razzoli, M., Pedersen, C.A.. (2003) Immunostaining of oxytocin receptors in human female amygdala, preoptic area, hypothalamus, nucleus accumbens and cingulate gyrus. Program No. 943.11. *2003 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience.

Boccia, M.L., Panicker, A., Pedersen, C. & Petrusz, P. (2001). Oxytocin receptors in non-human primate brain visualized with monoclonal antibody. *American Journal of Primatology* 54.

Boccia, M.L., Panicker, A., Pedersen, C. & Petrusz, P. (2001). Immunohistochemical visualization of oxytocin receptors in non-human primate brain. *Proceedings of the Meeting of the Society for Neurosciences*. Abstract # 477.8.

Pedersen, C.A. & **Boccia, M.L.** (2001). Large changes in MPOA and VMH receptor binding during shift from oxytocin initiation to maintenance of progesterone-induced female sexual receptivity. *Hormones and Behavior* 39(4): 343.

Presentations

Boccia, M.L., Petrusz, P., & Pedersen, C.A.. (2007). Localization of oxytocin receptors in female human brain sites using immunohistochemistry. Paper presented at the annual meeting of the International Society for the Study of Women's Sexual Health.

Boccia, M.L., Anderson, S., Pedersen, C. and Petrusz, P.(2006). Oxytocin Receptors in Limbic Structures of an Individual Identified with Autism. Paper presented at the annual International Meeting For Autism Research.

Boccia, M.L. (2005). Oxytocin In Social Motivation: Evidence from Immunohistochemistry and Behavior Pharmacology Studies in Humans and Monkeys. Seminar presented to the Biology Department, University of Parma, Parma Italy, June, 2005.

Pedersen, C.A. & **Boccia, M.L.** (2002) Large changes in MPOA and VMH receptor binding during shift from oxytocin initiation to maintenance of progesterone-induced female sexual receptivity. Paper presented at annual meetings of the Society for Behavioral Neuroendocrinology, Scottsdale AZ.

Developmental Disabilities

Publications: Peer-reviewed Journal Articles

Roberts, J.E., Miranda, M., **Boccia, M.**, Janes, H., Tomnson, B.L. & Hatton, D.D. (2011) Treatment effects of stimulant medication in young boys with fragile X syndrome. *Journal of Neurodevelopmental Disorders*. 3: 175-184.

Roberts, JE, King-Thomas, L. & **Boccia, ML** (2007) Behavioral indices of the efficacy of sensory integration therapy *Journal of Occupational Therapy*. 61(5):555-62.

Roberts JE, **Boccia ML**, Hatton DD, Skinner ML, Sideris J. (2006) Temperament and vagal tone in boys with Fragile X Syndrome. *Journal of Developmental and Behavioral Pediatrics* 27(3):193-201.

Roberts, J.E., Symons, F.J., Wulfberg, A., Hatton, D.D. and **Boccia, M.L.** (2005) Blink rate in boys with Fragile X Syndrome: preliminary evidence for altered dopamine function *Journal of Intellectual Disability Research*. 49: 647-656.

Roberts, J.E., **Boccia, M.L.**, Bailey, D.B. Jr., Hatton, D.D. & Skinner, M. (2001). Cardiovascular Indicators of Arousal in Boys with Fragile X Syndrome. *Developmental Psychobiology* 39: 107-123.

Boccia, M.L. & Roberts, J.E. (2000). Behavior and autonomic nervous system function assessed via heart activity measures: The case of hyperarousal in boys with fragile x syndrome. *Behavior Research Methods, Instruments and Computers* 32: 5-10.

Publications: Books, Chapters and Reviews

Boccia, M. L., & Roberts, J. E. (2000). Computer-assisted integration of physiological and behavioral measures. In Thompson, T., Felce, D., & Symons, F. J., *Computer Assisted Behavioral Observational Methods for Developmental Disabilities* (pp.83-97). Baltimore, MD: Brookes.

Published Abstracts

Boccia, M.L. & Roberts, J.E. (1998). Behavior and autonomic nervous system function as assessed via heart activity: The case of hyperarousal in boys with Fragile X Syndrome. *Proceedings of the International Conference on Measuring Behavior*, pp 93-94.

Presentations

Roberts, J. E., Bailey, D. B., **Boccia, M. L.**, & Hatton, D. D. (2002, July). *Psychophysiological measures of arousal: Documentation of treatment effects and impact of disability*. Paper presented at the 8th International Fragile X Conference, Chicago, IL.

Boccia, M.L., Roberts, J.R., Hatton, D., & Skinner, M. (2001). Temperament and physiology in boys with Fragile X Syndrome. Paper presented at the biennial meetings of the Society for Research in Child Development, Minneapolis MN.

- Roberts, J., **Boccia, M.L.**, & Bailey, D. (2001). Cardiovascular indicators of arousal in boys with Fragile X Syndrome. Paper presented at the biennial meetings of the Society for Research in Child Development, Minneapolis MN.
- Roberts, J., **Boccia, M.L.**, Johnson, J., Loza, S. & Bailey, D. (1999). Bibehavioral regulation in boys with Fragile X Syndrome. Paper presented in a symposium “Vagal Regulation and Social Behavior” organized by J. Doussard-Roosevelt at the biennial meetings of the Society for Research in Child Development, Albuquerque, NM.
- Roberts, J. E., **Boccia, M. L.**, Bailey, D. B., & Hatton, D. D. (1999). “Physiological Arousal in Relation to Challenging Behaviors: The case of Fragile X Syndrome.” Paper presented at the National Association for School Psychologists, Las Vegas, NV.
- Hatton, D. D., Roberts, J. E., & **Boccia, M. L.** (1999). Temperament and Physiology in Boys with Fragile X Syndrome. Paper presented at the Gatlinburg Conference on Research and Theory in Mental Retardation and Developmental Disabilities, Charleston, SC.
- Roberts, J. E., **Boccia, M. L.**, Bailey, D. B., & Hatton, D. D. (1999). Physiological Arousal in Relation to Challenging Behaviors: The case of Fragile X Syndrome. Paper presented at the National Association for School Psychologists, Las Vegas, NV.
- Roberts, J. E., **Boccia, M. L.**, Johnson, J. J., Loza, S. A., Bailey, D. B. (1999). Bibehavioral Regulation in Boys with Fragile X Syndrome. In J. A. Doussard-Roosevelt (chair), S. W. Porges (discussant), *Vagal Regulation and Social Behavior*. Symposium conducted at the Biennial Meeting of the Society for Research in Child Development, Albuquerque, NM.
- Roberts, J. E., **Boccia, M. L.**, & Bailey, D. B. (1998). Physiological Arousal in Boys with Fragile X Syndrome. In D. D. Hatton (chair), *Education, Behavior, Temperament, and Hyperarousal*. Symposium conducted at the Sixth International Fragile X Conference, Asheville, NC.
- Boccia, M.L.**, Roberts, J.E., Hatton, D., & Bailey, D.B. (1998). Temperament and heart rate in boys with fragile X syndrome. Poster presented at the 6th international Fragile X Conference, Ashville NC
- Roberts, J.E., **Boccia, M.L.**, Johnson, J.J., & Bailey, D.B. (1998). Bibehavioral regulation in boys with fragile X syndrome. Poster presented at the 6th international Fragile X Conference, Ashville NC.
- Boccia, M.L.** 1998. Advances in behavioral, physiological, molecular, and neuropsychological measures and their relevance to understanding Fragile X Syndrome, and other disabilities. Symposium presented at the 31st annual Gatlinburg Conference on Research and Theory in Mental Retardation and Developmental Disabilities, Charleston SC.
- Boccia, M. L.**, & Roberts, J. E. (1998, August). “Behavior and autonomic system function as assessed via heart

activity: The case of hyperarousal in boys with fragile X syndrome.” Paper presented at the Second International Conference on Methods and Training in Behavioral Research, Groningen, The Netherlands.

Ethics, Integration of Faith and Science

Publications: Peer-reviewed Journal Articles

Boccia, M.L., Campbell, F.A, Goldman, B.D. and Skinner, M. (2009). Differential Recall of Consent Information and Parental Decisions about Enrolling Children in Research. *Journal of General Psychology*.136: 91-108.

Frances A. Campbell, F.A., Goldman, B.D., **Boccia, M.L.** and Skinner, M. (2004) The effect of format modifications on information recalled from informed consent materials: An experimental simulation involving low-income parents. *Patient Education and Counseling* 53(2):205-16

Agre et al., NIH/DOE/VA Consortium on Informed Consent Research Involving Human Subjects (2003). Don't just talk louder/ The medium is not the message. *IRB: Ethics & Human Research*. 25(5)

Boccia, M.L. & Hijazi, A. (1998). A foraging task reduces agonistic and stereotypic behaviors in pigtail macaque social groups. *Laboratory Primate Newsletter* 37 (3): 1-5.

Laudenslager, M.L., **Boccia, M.L.** & Reite, M.L. (1996). Captive housing in macaques: Implications for immunoregulation. *AZA (Am Zoo Aquarium Assoc) Regional Conference Proceedings*: 654-659.

Laudenslager, M.L. & **Boccia, M.L.** (1996). Some observations on psychosocial stressors, immunity, and individual differences in nonhuman primates. *American Journal of Primatology* 39: 205-222.

Boccia, M.L., Laudenslager, M.L. & Reite, M.L. (1995). Individual differences in responses to stressors based on social and physiological factors: Implications for animal welfare and research outcomes. *Laboratory Animal* 17: 1-8.

Boccia, M. (1994). Bibliography on ethics of animal research. *Laboratory Primate Newsletter* 33(1). 14-15.

Boccia, M.L. 1989. Preliminary report on the use of a natural foraging task to reduce aggression and stereotypies in socially housed pigtail macaques. *Laboratory Primate Newsletter* 28(1): 3-4.

Boccia, M.L. 1989. Long-term effects of a natural foraging task on aggression and stereotypies in socially housed pigtail macaques. *Laboratory Primate Newsletter* 28: 18-19.

Publications: Books, Chapters and Reviews

Boccia, M.L. (2010). Review of *The Meaning of Sex: Christian Ethics and the Moral Life*, by Dennis Hollinger. *Africanus Journal* 2(1): 54-55.

Boccia, M.L. (1992). Are sex differences biologically based? *Journal of Biblical Equality* 4: 62-78.

Boccia, M.L. (1991). The hidden history of women in the church. *Journal of Biblical Equality* 3.

Boccia, M. L. (1990). Abortion And Animal Rights: Common ground. *Creation, Social Sciences and the Humanities Quarterly*. 12 (4): 23-25.

Published Abstracts

Boccia, M.L. & Petto, A.J. (1997). Ethics and Primate Research *American Journal of Primatology* 42: 87-88.

Boccia, M.L., Jacinta, C. & Glander, K.E. (1996) Enrichment strategies with non-human primates: You don't always get what you want. *American Journal of Primatology* 4

Boccia, M.L. (1995). The use of issues in primate research as case study materials in the teaching of ethics. *American Journal Of Primatology* 36(2): 111.

Presentations

Boccia, M.L. (2018). Is it okay if I do this? Theological reflections on the ethics of animal research. *Stewardship of Creation*. Baylor Symposium on Faith and Culture; Baylor University, (October 24–26)

Campbell, F.A., Goldman, B.D. & **Boccia, M.L.** (2001). The need to know: Improving the consent process for parents. Paper presented at the biennial meetings of the Society for Research in Child Development, Minneapolis MN.

Goldman, B.D., Miura, R.H., Campbell, F.A., **Boccia, M.L.** & Philipson, S. (1999) A comprehensive assessment of the readability of parental consent forms requesting the participation of infants and children in behavioral and biomedical research. Paper presented at the second annual meeting of the American Society for Bioethics and Humanities, Philadelphia, PA, as a part of a panel "Results from the National Institutes of health Informed Consent Initiative."

Boccia, M.L., Laudenslager, M.L. & Reite, M.L. 1992. Individual differences in responses to stressors based on social and physiological factors: Implications for animal welfare and research outcomes. Paper presented at the symposium "Provision for welfare of non-human primates used in biomedical research" organized by Hilary Box and L. Scott at the XIVth Congress of the International Primatological Society, Strasbourg, France.

Boccia, M.L. & Laudenslager, M.L. 1992. Physiological consequences of cognitive stress in pigtail monkeys (*Macaca nemestrina*). Paper presented at the seventh biennial conference of the Developmental Psychobiology Research Group, Estes Park, Colorado.

Boccia, M.L. 1991. Welfare and psychological well-being in laboratory primates. Paper presented in symposium entitled "Man and animals: Partners improving the quality of your life through biomedical research" at the annual meeting of the Mile High Branch of the American Association for Laboratory Animal Science, Winter Park.

Boccia, M.L., Broussard, C.L., Scanlan, J., & Laudenslager, M.L. 1990. Repeated handling affects behavior and immune responses of younger and older monkeys (*Macaca radiata* and *M. nemestrina*). Paper presented at the annual meeting of the Animal Behavior Society, Binghamton, NY.

Methodology

Publications: Peer-reviewed Journal Articles

Melton, K.K., Hodge, C.J., Haron, M.L. & Boccia, M. (2022). Measuring social connectedness during shared leisure activities using oxytocin: A comparison of sampling urine versus saliva. *Leisure Sciences*. DOI: 10.1080/01490400.2022.2048755

Boccia, M.L., Melton, K., & Larson, M.,(2020). Measuring oxytocin during family activities: Sampling urine versus saliva. Research note: *Journal of Leisure Research*. DOI: 10.1080/00222216.2019.1687265

Boccia, M.L., Melton, K., & Larson, M.,(2019). An Overview of the Use Oxytocin Measures in Family Leisure Studies . *Journal of Leisure Research*. 51(3): 366-376. DOI: 10.1080/00222216.2019.1687265

Melton, K., Larson, M., & Boccia, M.L. (2019). Examining couple recreation & the release of oxytocin via the Creation of Family Experience Framework. *Journal of Marriage and Family*. 81: 771-783. DOI:10.1111/jomf.12556

Publications: Books, Chapters and Reviews

Boccia, M.L. & Roberts, J.E. (2000). Computer-Assisted Integration of Physiological and Behavioral Measures. (P. 83-97) In: *Behavioral Observation: Innovations in Technology and Applications in Developmental Disabilities*. Travis Thompson, David Felce & Frank Symons, (eds.). Brookes Publishing.

Boccia, M.L., Davis-Goldman, B., Noldus, L.P.J.J., O'Leary, M., & Teale, P. (1995). The integration of physiology (heart rate and EEG) with behavior collected with a computer based observational system. P 440 In: E. Alleva, A. Fasolo, H-P Lipp, L. Nadel & L. Ricceri (Eds.) *Behavioural Brain Research in*

Naturalistic & Semi-Naturalistic Settings. NATO ASI Series D: Behavioural and Social Sciences, Vol 82. London: Kluwer Academic Publishers in cooperation with NATO Scientific Affairs Division.

Boccia, M.L. (1995). Review of The Observer 3.0. *Practicing Anthropology* 17: 59-61.

Boccia, M. L., Broussard, C., Scanlan, J., & Laudenslager, M. L. (1992). Practice makes predictable: Repeated sampling differentially alters behavioral and physiological responses of younger and older monkeys. In: *The Inevitable Bond: Examining Scientist-Animal Interactions* D. Balfour & H. Davis (Eds.), Cambridge University Press. pp 153-170.

Boccia, M.L. (1992). Review of *The Observer* version 2.0 behavioral observation data collection software system. *Ethology, Ecology & Evolution*. 4(4):413-414.

Published Abstracts

Boccia, M.L. Marson, L. & Pedersen, C.A.. (2006) A new immunocytochemical method for locating oxytocin receptor-expressing neurons in rodent brain. Program No. 259.14/AA24. 2006 Neuroscience Meeting Planner. Atlanta, GA: Society for Neuroscience, 2006. Online.

Laudenslager, M.L., Held, P., Broussard, C., McFerran, B., Berkelhammer, D., Cox, M., **Boccia, M.** & Reite, M. 1992. Some normative immune parameters in two species of macaque monkeys. *American Journal of Primatology*. 27: 42.

Boccia, M.L., Laudenslager, M.L. & Reite, M.L. 1988. Impact of different feeding regimens and dominance on behavior in socially housed bonnet and pigtail macaques. *The Psychological Well-Being of Captive Primates* p. 35. Conference sponsored by Univ. of Massachusetts at Amherst, Harvard Medical School, Tufts University, and American Psychological Association.

Presentations

Boccia, M.L. (2017). The ethics of working with sexual content in couple therapy. Workshop presented at the annual meeting of the Texas Association for Marriage and Family Therapists, Austin, TX.

Pedersen, C.A. & **Boccia, M.L.** (2006) L368,899®: A CNS penetrating antagonist for testing the significance of oxytocin in primate social behavior. Invited paper presented at *Oxytocin, Vasopressin and Emotional Regulation: new Frontiers in Basic Neuroscience and Translational Opportunities*, Society for Neuroscience Preconference Workshop, Oct 13, 2006, Larry Young & Colin Ingram, organizers.

Boccia, M.L., Goldman, B.D., Leung, E., Noldus, L.P.J.J., O'Leary, M., & Teale, P. (1994). The integration of physiology (heart rate and EEG) with behavior collected with a computer based observational system. Paper presented at the NATO Advanced Study Institute, "Behavioural Brain Research in Naturalistic and

Other Publications

Publications: Peer-reviewed Journal Articles

- Tadipatri, R., Azadi, A., Cowdrey, M., Fongue S.F., Smith, P., Razis, E., Boccia, M. Ghouri, Y, Zozzaro-Smith, P., and Fonkem, E. (2021). Neuro-oncology palliative care survey of physicians in Sub-Saharan Africa. *Journal of Pain and Symptom Management*.
<https://doi.org/10.1016/j.jpainsymman.2021.04.011>
- Gatson, N.T.N., Boccia, M.L., Taylor, K.R. & Fonkem, E. (2021). Hormone-dependent tumors & sexuality in the neuro-oncology of women (NOW): Women's brain tumors, gaps sexuality considerations, and the need for evidence-based guidelines. *Current Oncology Reports*
<https://doi.org/10.1007/s11912-021-01115-w>
- Mitchell, R.W., Parker, S.T., & **Boccia, M.L.** (1994). Mirror self-recognition and mental state attribution. *American Psychologist* 49: 761-762.
- Boccia, M.L.**, Laudenslager, M.L. Broussard, C., & Hijazi, A. (1992). Immune responses following competitive dominance tests in two species of macaques. *Brain Behavior and Immunity* 6 201-213.
- Reite, M., Scheuneman, D., Gilger, J.W., Teale, P., Goldstein, L. & **Boccia, M.** (1992). Auditory magnetic source localization in twins. *Brain Research Bulletin* 28: 641-644.
- Boccia, M.L.** 1989. A comparison of the physical aspects of social grooming in two species of macaques (*Macaca nemestrina* and *M. radiata*). *Journal of Comparative Psychology* 103: 177-183.
- Boccia, M.L.**, Reite, M., & Laudenslager, M. 1989. On the physiology of grooming in a pigtail macaque. *Physiology and Behavior* 45: 667-670.
- Boccia, M.L.**, Laudenslager, M. and Reite, M. 1988. Food distribution, dominance, and aggressive behaviors in bonnet macaques. *American Journal of Primatology* 16(2): 123-130.
- Boccia, M.L.** 1984. The interdisciplinary study of behavior. *American Journal of Primatology* 6(4): 389-391.
- Boccia, M.L.** 1983. A functional analysis of social grooming patterns through direct comparison with self grooming in rhesus monkeys. *International Journal of Primatology* 4(4): 399-418.
- Boccia, M.L.**, Rockwood, B. and Novak, M.A. 1982. The influence of behavioral context and social

characteristics on the physical aspects of social grooming in rhesus monkeys. *International Journal of Primatology* 3(1): 91-108.

Publications: Books, Chapters and Reviews

Boccia, M.L. (1998). Grooming in primates. P. 674-678 In: G. Greenberg & M.M. Haraway (Eds.). *Comparative Psychology: A Casebook*. NY: Garland Publishing, Inc.

Boccia, M.L. (1995). Physical Sex and psychological gender; a review of S. Nanda's *Neither Man nor Woman, The Hijras of India*. *Journal of Developing Societies* 11: 276-278.

Boccia, M.L., (1994). Mirror behavior in macaques. pp. 350-360. In: *Self-Awareness in Animals & Humans*. S. Parker, M. Boccia & R. Mitchell (Eds.). Cambridge University Press.

Parker, S., Mitchell, R. & **Boccia, M.**, (Eds.) (1994). *Self-Awareness in Animals & Humans*. Cambridge University Press.

Parker, S., Mitchell, R. & **Boccia, M.**, (1994). Expanding dimensions of the self: Through the looking glass, and beyond. pp. 3-19. In: Parker, S., Boccia, M., & Mitchell, R. (Eds.) *Self-Awareness in Animals & Humans*. Cambridge University Press.

Boccia, M.L., Laudenslager, M.L. Broussard, C., Hijazi, A., & Scanlan, J. (1992). Stress, dominance and immunity in socially housed macaques. In: N. Itoigawa, Y. Sugiyama, G.P. Sackett, & R.K.R. Thompson (Eds). *Topics in Primatology, Volume 2: Behavior, Ecology, and Conservation*. Tokyo, Japan: University of Tokyo Press, pp 127-137.

Small, M.F., **Boccia, M.L.**, McKenna, J., King, J., Loy, J., and Ruppenthal, G. 1987. Primates in the classroom. *American Journal of Primatology* 12(1): 111-124.

Boccia, M.L. 1986. Grooming site preferences as a form of tactile communication and their role in the social relations of rhesus monkeys. In *Current Perspectives in Primate Social Dynamics*, D.M. Taub and F.A. King, Eds. New York: Van Nostrand Reinhold. pp 505-518.

Published Abstracts

Tadipatri, R., Azadi, A., Cowdrey, M. Fongue, S., Smith, P., Razis, E., **Boccia, M.**, & Fonkem, E. (2020). Neuro-oncology palliative care survey of physicians in sub-Saharan Africa. *Neuro-Oncology* 22(S2), ii175.

Pedersen, C.A. & **Boccia, M.L.** (2001). Oxytocin reverses vasopressin inhibition of female sexual receptivity. *Hormones and Behavior* 39(4): 343.

- Pedersen, C.A. & **Boccia, M.L.** (2001). Early and late phases of oxytocin facilitation of progesterone-induced female sexual behavior: Associated changes in central receptor binding. *Proceedings of the Meeting of the Society for Neurosciences*. Abstract # 424.6.
- Boccia, M.L.** & Pedersen, C.A. (2000). Preferences for conspecific and heterospecific faces: Effects of inversion and feature rearrangement. *American Journal of Primatology*. 51: 46.
- Boccia, M. L.** & Nelson, J. (1995). Handedness during grooming behavior in pigtail monkeys (*Macaca nemestrina*) and bonnet monkeys (*Macaca radiata*). *American Journal of Primatology* 36(2): 111.
- Scanlan, J.M., Myers, C.D., Werner, J.J., **Boccia, M.L.**, & Laudenslager, M.L. (1994). Hostility and cardiovascular risk factors: Interaction with sex and health habits. *Psychosomatic Medicine*
- Boccia, M.L.**, & Laudenslager, M.L. (1993). Behavior/immune responses to stranger introductions into stable groups of pigtail monkeys (*Macaca nemestrina*). *American Journal of Primatology* 30: 299.
- Boccia, M.L.** & Laudenslager, M.L. 1992. Physiological consequences of cognitive stress in pigtail monkeys (*Macaca nemestrina*). *American Journal of Primatology* 27: 17.
- Boccia, M.L.** & Laudenslager, M.L. 1992. Immunological and hormonal consequences of alterations in feeding regimens in bonnet monkeys (*Macaca radiata*) *American Journal of Primatology* 27: 18.
- Lubach, G.R. & **Boccia, M.L.** 1991. Psychoimmunology: Immunological and behavioral responses to stress. *American Journal of Primatology* 24: 116-117.
- Scanlan, J.M., Laudenslager, M.L., Legg, R.L., Broussard, C.L., **Boccia, M.L.** 1991. Anger effects on immunity and plasma lipids in stressed medical students. *Psychosomatic Medicine* 53(3): 242.
- Boccia, M.L.**, Laudenslager, M.L., & Broussard, C.L. 1990. Dominance status affects immune response in socially housed macaques. *American Journal of Primatology* 20: 175.
- Boccia, M.L.** 1988. Mirror-directed behavior in pigtail macaques: A test of self recognition. *American Journal of Primatology* 14(4): 412.
- Laudenslager, M. **Boccia, M.L.** & Held, P. 1988. Dominance and immunity in non-human primates: Some pilot observations. *Society for Neuroscience Meeting Abstracts* 14, Toronto, Ontario, Canada.
- Boccia, M.L.** 1987. The physiology of grooming: A test of the tension reduction hypothesis. *American Journal of Primatology* 12(3): 330.
- Boccia, M.L.** 1985. Comparison of the physical aspects of grooming in two species of macaques (*Macaca nemestrina* and *M. radiata*). *American Journal of Primatology* 8(4): 333.

- Capitano, J.P. and **Boccia, M.L.** 1984. Social signals and the maintenance of dominance relations in groups of pigtail macaques: A pilot study. *American Journal of Primatology* 6(4): 401.
- Boccia, M.L.**, Laudenslager, M. and Reite, M. 1984. Spatial distribution of food and dominance related behaviors in bonnet macaques: A laboratory study. *American Journal of Primatology* 6(4): 399.
- Boccia, M.L.** and Capitanio, J.P. 1983. The role of social signals in the development of dominance relations between unfamiliar pigtail macaques. *American Journal of Primatology* 4(4): 338-339.

Presentations

- Tadipatri, R., Azadi, A., Cowdrey, M. Fongue, S., Smith, P., Razis, E., **Boccia, M.**, & Fonkem, E. (2020). Neuro-oncology palliative care survey of physicians in sub-Saharan Africa. *Neuro-Oncology* 22(S2), iii175.
- Boccia, M.L.** (2019). Intimacy, sexuality and brain cancer. Keynote speaker at Baylor Scott & White second annual Symposium on Neuro-Oncology. Round Rock, TX
- Boccia, M.L.** (2018). Intimacy, sexuality and brain cancer. Keynote speaker at Baylor Scott & White first annual Symposium on Neuro-Oncology. Round Rock, TX
- Boccia, M.L.** (2017). Intimacy, sexuality and cancer. Presented at Baylor Scott & White continuing education workshop, *Fix It Up: Renovating Your Oncology Care*. Waco, TX
- Pedersen, C.A. & **Boccia, M.L.** (2002) Oxytocin reverses vasopressin inhibition of female sexual receptivity. Paper presented at the annual meetings of the Society for Behavioral Neuroendocrinology, Scottsdale AZ.
- Hofheimer, J. Dee., & **Boccia, M.L.** (1999). Persistence of vagal influences on affective regulation from birth through seven years. Paper presented in a symposium "Vagal Regulation and Social Behavior" organized by J. Doussard-Roosevelt at the biennial meetings of the Society for Research in Child Development, Albuquerque, NM.
- Boccia, M.L.**, Beck, M.A. & Goldman, B.D. 1996. Health and behavior consequences of entry into kindergarten. Presented at the annual meetings of the Psychoneuroimmunology Research Society. Santa Monica, California.
- Boccia, M.L.** & Nelson, J. (1994). Handedness in two species of macaques (*Macaca nemestrina* and *M. radiata*): Effects of sex and fine Vs. gross motor movements. Paper presented at the Eighth Biennial Retreat of the Developmental Psychobiology Research Group, Estes Park, Colorado.
- Scanlan, J.M., Myers, C.D., Werner, J.J., **Boccia, M.L.**, & Laudenslager, M.L. (1994). Hostility and

cardiovascular risk factors: Interaction with sex and health habits. Paper presented at the Eighth Biennial Retreat of the Developmental Psychobiology Research Group, Estes Park, Colorado.

Boccia, M.L., Laudenslager, M.L. & Reite, M.L. (1993). Behavioral and immunological consequences of alterations in feeding regimens in bonnet macaques (*Macaca radiata*). Paper presented at Research Perspectives in Psychoneuroimmunology III, Sept, 1993, Columbus Ohio.

Scanlan, J.M., Laudenslager, M.L., **Boccia, M.L.**, Legg, R.L., & Broussard, C.L. (1991). Anger expression and hostility: Effects on natural cytotoxicity and plasma lipids in medical students. Poster presented at Research Perspectives in Psychoneuroimmunology III, Sept, 1991, Columbus Ohio.

Boccia, M.L. 1991. Adaptation and primate relationships. Paper presented at the first annual spring conference of the Developmental Psychobiology Research Group, Denver.

Reite, M., Scheuneman, D., **Boccia, M.**, Teale, P., Goldstein, L., Gilger, J. 1991. Auditory M100 source localization in twins. Paper presented at the 8th International Conference on Biomagnetism in Munster Germany, August, 1991.

Boccia, M.L., Laudenslager, M.L. Broussard, C., Hijazi, A., & Scanlan, J. 1990. Stress, dominance and immunity in socially housed macaques. Paper presented at the XIII Congress of the International Primatological Society, Symposium on Behavior and Stress, Kyoto, Japan.

Boccia, M.L., Laudenslager, M.L., Broussard, C. & Hijazi, A. 1989. Dominance, immune function, and the impact of stressors in socially housed macaques. Paper presented at the Twenty-first International Ethological Conference in Utrecht, The Netherlands.

Stoddard, M. and **Boccia, M.L.** 1986. The effectiveness of sex as an advertising technique. Annual meetings of the Oklahoma Psychological Association, OU, Norman.

Boccia, M.L. 1982. Grooming-site preferences as a form of tactile communication and their role in the social relations of rhesus monkeys. Paper presented at the IXth International Congress of Primatology, Atlanta, GA.

Boccia, M.L. 1980. A comparison of self and social grooming in rhesus monkeys. Paper presented at the Northeast Regional Meetings of the Animal Behavior Society, Binghamton, NY.

Boccia, M.L., Rockwood, B. and Novak, M.A. 1978. Social grooming in captive rhesus monkeys. Paper presented at the Northeast Regional Meetings of the Animal Behavior Society, Monmouth, NJ.

Grants/Awards/Honors

Grants

- Boccia, M.L.** 2019. "4+1 Master's program for child and Family Programs Administration". RCHHS, summer sabbatical, Summer 2020.
- Boccia, M.L.** 2019. Teaching Development Grant, October 2019. Funding to attend the Annual Conference of Texas Distance Learning Association (TxDLA) in March 2020, in Fort Worth TX. \$1225.50.
- Boccia, M.L. PI.** Travel grant to attend the Austin-Lilly Conference on Evidence-Based Teaching and Learning, January 4-6, 2018. \$1,250 in direct costs.
- Boccia, M.L. PI.** , "Neuro-regulation in Attachment to God and Human Relationships" Baylor University Summer Sabbatical, June-July, 2018, two months summer salary.
- Boccia, M.L. PI.** "Validation of 2F8 as a tool for studying oxytocin receptors in human brain." Leigh Greathouse, Co-PI. University Research Committee, 12/15/2016 - 5/31/2017, \$5,735 direct costs.
- Boccia, M.L. Co-PI.** (K. Melton PI). "Examining Oxytocin Levels to Distinguish Impact of Family Activities on Attachment," Innovation grant award from National Counsel for Family Relations. 11/14/2015 - 11/14/2016. \$10,000 direct costs.
- Boccia, M.L. Co-author.** "Opening New Doors: Promoting Access to Pastoral Leadership Education at Gordon-Conwell Theological Seminary--Charlotte." From Kern Family Foundation Grant initiative "Leading Through Change: Innovation in Theological Schools" Award 1/01/2009-12/31/2011.
- Boccia, M.L. PI.** "Oxytocin receptors in human and non-human primates" NIMH K01 Career Development Award 08/01/02-07/31/07, \$798,841 in direct+indirect costs.
- Boccia, M.L. Co-PI.** (C. Pedersen, PI). "Oxytocin, postnatal experience, and adult maternal behavior", NIMH R01 Grant 03/15/02-02/28/08, \$1,673,250 in direct+indirect costs.
- Boccia, M.L. Subproject Director** (K. Suzuki/ J. Piven, PIs) "Observational Methods Core" of the "Child Development and Mental Retardation", NICHD Center Grant, 8/1/93-6/30/01.
- Boccia, M.L. Co-PI.** (F. Campbell, PI) "Improving the consent process for low-literacy parents," NICHD grant, 10/1/97-9/30/2001
- Boccia, M.L. Co-PI.** (D. Bailey, Co-PI) "Psychophysiological Measures of Arousal: Documentation of Treatment Effects & Impact of Disability,". FRAXA Foundation, 07/01/1998 to 06/30/2000

- Boccia, M.L. Co-Investigator.** (D. Bryant, PI) "Research Center for Head Start Quality" DHHS/ACYF Center Grant, 10/1/95-9/30/2000.
- Boccia, M.L. Co-Investigator.** (D. Holditch-Davis, PI) "Assessment of Biological and Social Risk in Preterm Infants," NIH grant, 4/01/98-3/31/2003.
- Boccia, M.L. Co-PI.** (Maria Hall, PI) "A pilot study of focus group interviews with women with disabilities: Methodological and conceptual issues of measurement of needs and concerns regarding issues of abuse.", University Research Council Award, 1997.
- Boccia, M.L. PI.** "Health and behavior consequences of kindergarten entry", M.A. Beck and B. D. Goldman, co-investigators. FPG Small Grant, 1994-95.
- Boccia, M.L. Co-Investigator.** (M.A. Beck, PI) "Development of a mouse model of HSV-induced cognitive and psychosocial deficits. FPG Small Grant, 1995-96.
- Boccia, M.L. PI.** "Dominance status and immunity: A non-human primate model". NIMH Grant No. 44131, 1989-1993.
- Boccia, M.L. Co-PI.**(M. Reite, PI). "Agitation-Depression Reaction" NIMH Grant No. 19514. 1986 - 1995
- Boccia, M.L. Co-Investigator.** (M. Laudenslager, PI). "Separation and Loss: Immune Status" NIMH Grant No. 37373. 1986-1995.
- Boccia, M.L. PI.** Travel grant from NATO to attend NATO Advanced Study Institute on "Behavioural Brain Research in Naturalistic and Semi-naturalistic Settings: Possibilities and Perspectives" held in Maratea, Italy, Sept 10-20, 1994.
- Boccia, M.L. Consultant/mentor,** Joan Winfrey, PI) "Pastoral Care for Abused Women: A Case Study Approach to the Experiences of Evangelical Pastors and Implications for Seminary Training". Younger Scholars Fellowship from The Association of Theological Schools in the United States and Canada, 1995.
- Boccia, M.L. Faculty member,**(Martin Reite, PI) Developmental Psychobiology Research Post-doctoral Training Grant. 1990 - 1993.
- Boccia, M.L. PI.** Developmental Psychobiology Endowment Fund from the Grant Foundation, Grant No. 216: "Philosophy of marriage and domestic violence in evangelical homes." 1992-1993.
- Boccia, M.L. PI.** . "Conference on self-recognition and self-awareness in monkeys, apes, and humans." Institute for Noetic Sciences, 1991-1993.

Boccia, M.L. PI. Grant from the Kennedy Institute of Ethics, Georgetown University, Washington DC, to attend course "Ethical Issues on Animal Use in Research And Education, July 1994.

Boccia, M.L. Co-PI (with Reite, Laudenslager) "Emergency Support of Animal Labs." Developmental Psychobiology Endowment Fund from the Grant Foundation, Grant No. 193.

Boccia, M.L. PI. Travel Grant from International Primatological Society Conference Organizing Committee to attend the International Primatological Biennial Conference in Kyoto Japan, 1990.

Boccia, M.L. PI. Developmental Psychobiology Endowment Fund from the Grant Foundation, Grant No. 157: Mirror behavior in pigtail macaques. 1987-88.

Boccia, M.L. PI. Travel Grant from American Society of Primatologists' National Science Foundation Travel Award to attend the International Primatological Society Biennial Congress in Gottingen, West Germany, August, 1986.

Boccia, M.L. PI. Developmental Psychobiology Endowment Fund from the Grant Foundation, Grant No. 100: The role of social signals in the development of relationships in pigtail monkeys. 1982-1983.

Awards and Honors:

- 2016 Named "the person most influential to their success at Baylor" by at least 3 new students, one of only 5% of the 2,700 full time faculty and staff nominated by at least three students
- 2005 Award for Best Poster in Biology: Basic Science, annual meeting of International Society for the Study of Women's Sexual Health "Sensitivity of Sexual Behavior to Induction by Estrogen Treatment Affected by Long Maternal Separation in Infancy"
- 2004 Award for Best Paper in Psychology: Basic Science, annual meeting of International Society for the Study of Women's Sexual Health for "Interest in infants and sexual behavior in rhesus monkeys reduced by peripherally administered non-peptide oxytocin antagonist, L368,899"
- 1999 Outstanding Faculty Advisor, UNC-CH Greek Affairs.
- 1983 Inducted into *Psi Chi*, Psychology Honor Society.
- 1974 Graduated *cum laude*, State University of New York.
- 1971-74 Regents Scholarship, State University of New York.
- 1971-74 Dean's List, State University of New York.
- 1971 National Merit Scholarship Finalist.

Service

Professional Organizations:

American Association of Marriage and Family Therapists
Texas Association of Marriage & Family Therapists
American Association of Sexuality Educators, Counselors and Therapists
American Board of Christian Sex Therapists
International Society for the Study of Women's Sexual Health
Society for Behavioral Neuroendocrinology
Society for Neuro-Oncology

Service to the Profession:

Advocacy Committee of the International Society for the Study of Women's Sexual Health, 2018-2019.
Membership Outreach Committee of the International Society for the Study of Women's Sexual Health, 2016-2018.
Site visit team member for various National Institute for Child Health and Human Development programs, 1998-2007.
Chair, site visit teams and special study sections for National Institutes of Health, 2003-2007.
Guest reviewer for National Institute for Mental Health study section, Psychobiology, Behavior and Neurosciences, 1995.
Invited instructor for 2-day workshop on "Integrating behavior and physiology measures in research" Kennedy Center at Vanderbilt University, Mental Retardation Research Center Methodology Core, Jon Tapp, Director, July 2001.
Advisory Board for the Center for Research on Chronic Illness, an NIH funded research center housed in the School of Nursing, UNC-CH
Program committee for annual meeting of Society for Research in Psychoneuroimmunology, April 2000, Wilmington NC.
Invited participant in workshop "Building animal models for autism through translational neuroscience research" co-sponsored by NIH, CAN and NAAR, 1998.
Invited participant in workshop "Health effects of odors" co-sponsored by Duke University, NIH, and EPA, 1998
Reviewer for abstracts submitted to the biennial meetings of the Society for Research in Child Development, 1997.
Outside reviewer, National Science Foundation, 1986-1995.
Research Perspectives in Psychoneuroimmunology, 1992 Conference Planning Committee
Developmental Psychobiology Research Group, Denver, Colorado, 1986-1993
Executive Committee 1989-1993
Developmental Psychobiol Research Group, 1992 Biennial Conference Planning Committee
Founding editor, *Journal of Biblical Equality*, 1989-1992
Guest reviewer of special study sections of NIH, 1988-1989
Contributor in NIMH Policy Development Workshop "Primate Animal Models for Research in Psychopathology," 1987.

Founding Co-Director of Project Safe, Inc., a crisis telephone, placement, and education service for domestic violence in Kikapoo and Pottowattomi counties in Oklahoma, 1984-1986.
Program Committee of the American Society of Primatologists, 1986-1990, 1994-2001

Reviewer for professional journals including:

Methods, Instruments, & Computers	Journal of Social Behavior and Personality
Behavioral Neuroscience	Neuroscience
Brain, Behavior and Immunity	Neuroscience Letters
Child Development	Physiology & Behavior
Developmental Psychobiology	Psychoneuroendocrinology
Developmental Review	Social Development
Hormones and Behavior	
Journal of Comparative Psychology	
Journal of Health and Social Behavior	
Journal of Men's Health	

Service, Baylor University:

Interim Associate Co-Chair, Department of Human Sciences and Design, 2021-present
Graduate Program Director, Department of Human Sciences and Design, 2019-present
Faculty Dismissal Committee, 2019-present
Committee chair, 2020-present
Human Flourishing, Leadership & Ethics subcommittee of Illuminate Steering Committee, 2019-2020
Search committee for faculty in apparel design, chair, 2021-present.
Search committee for two faculty in child and Family Studies, 2021-present.
Search committee FCS search for new department chairperson, 2018-2019.
Search committee HHPR search for senior faculty member, 2020
Search committee HHPR search for new clinical faculty member, 2018-2019.
Search committee HHPR search for new Health Science Studies Program, 2017-2018.
Committee for lab/studio/Piper tours for FCS Focus, Spring 2018.
Participated in Faculty Design Team formation, 2018
Participated in New Student Orientation Open House, representing FCS department, 2018.

Community service, Texas:

Presentation on Intimacy, sexuality, and cancer” several times each year at Baylor, Scott & White Hillcrest Cancer Center’s support groups for breast cancer patients.
Workshop “Intimacy, sexuality, and cancer” presented at BSW Hillcrest’s continuing education event :Fix it up: Renovating your oncology care.”
Supervision of clinical work of candidates pursuing the Texas License in Marriage & Family Therapy.

Teaching in discipleship program of First Woodway Baptist Church.

Service, Gordon-Conwell Theological Seminary - Charlotte:

Governance Task Force (charged with restructuring the governance of the 4-campus school), including subcommittees charged with negotiating with faculty and writing the revised governance document

Institutional Review Board for the Protection of Human Subjects, Chair

Academic Affairs Committee

Institutional Affairs Committee

Faculty advisor, GCTS-CLT chapter of Psi Chi Psychology Honor Society

Kern Family Foundation grant proposal task force

Charlotte Dean search committee

Monthly contributions to GCTS faculty blog, *Every Thought Captive* (see <http://everythoughtcaptivearchive.blogspot.com/search/label/Dr.%20Maria%20Bocci>)

Service, University of North Carolina:

Task Force on Funding Core Support, FPG Child Development Institute, 2004-2005

Institutional Review Board for research with human subjects, Frank Porter Graham Center, 1994-2000

Faculty Advisor, Phi Beta Chi sorority, UNC-CH, 1997-2001.

Annual Colloquium Steering Committee, Frank Porter Graham Center, 1994-1996

FPG Small Grant Competition review committee, 1993,1996

Service, Oklahoma Baptist University:

Faculty advisor, Psi Chi Honor Society (1983-1986)

Admissions Committee (1984-1985)

Honors Committee (1985-1986)

Institutional Review Board for research with human subjects, founding chair (1984-1986)

Computer Science Program Development Committee (1985-1986)