

## CURRICULUM VITAE

### Gianluca Esposito

#### Current Positions and Employment

2014-present. NAP Nanyang Ass Prof, Div. Psychology, Nanyang Technological Univ., Singapore.

2014-present. Ass Professor, Dep. Psychology & Cognitive Sci, Univ. of Trento, Italy. (Joint appointment)

2014-present. Faculty Board, PhD Program Psychological Sci., Univ. Trento, Italy.

2008-present. Collaborator, Child and Family Research, NICHD-NIH, USA

#### Academic Qualifications

2006. Ph.D in Cognitive Science and Education, University of Trento, Italy.

2002. MS Clinical Psychology (summa cum laude), University of Naples, Italy.

#### Relevant Publications

1. Dellantonio S., Pastore L., **Esposito G.** (2016) Above and Below the Surface: Genetic and Cultural Factors in the Development of Values. *Behavioral Brain Sciences*. (IF=20,77)
2. **Esposito G.**, Truzzi A., Setoh P., Putnick D.L., Shinohara K., Bornstein MH. Genetic predispositions and parental bonding interact to shape adults' physiological responses to social distress. *Behavioral Brain Research*. Available online 22 June 2016 (IF=3,62)
3. Tsuneoka Y., Tokita K., Yoshihara C., Amano T., **Esposito G.**, et al. (2015). Distinct preoptic-BST nuclei dissociate paternal and infanticidal behavior in mice. *The EMBO Journal*, 34(21):2652-70 (IF= 10,43)
4. **Esposito G.**, Valenzi S., Islam T., Bornstein MH. (2015). Three physiological responses in fathers and non-fathers' to vocalizations of typically developing infants and infants with Autism Spectrum Disorder. *Research in Developmental Disabilities*, 43(44), 43-50. (IF=4,41)
5. Dalsant A., Truzzi A., Setoh P., **Esposito G.** (2015). Maternal bonding in childhood moderates autonomic responses to distress stimuli in adult males. *Behavioral Brain Research*, 292, 428-431. (IF=3,62)
6. Bornstein MH., **Esposito G.** (2014). Beyond cry and laugh: Toward a multi-level model of language production. *Behavioural Brain Sciences*, 37(6):548-9. (IF=20,77)
7. **Esposito G.**, et al. (2014). Baby, You Light-up My Face: Culture-General Physiological Responses to Infants and Culture-Specific Cognitive Judgements of Adults. *PlosONE*. (IF=3,73)
8. **Esposito G.**, et al. (2014) Immediate and Selective Maternal Brain Responses to Own Infant Faces. *Behavioral Brain Research*, 278, 40-43. (IF=3,62)
9. **Esposito G.**, et al. (2013) Infant calming responses during maternal carrying in humans and mice. *Current Biology*, 23(9):739-745. (IF=10,99)
10. De Pisapia N., Serra M., Rigo P., Jager J., Papinutto N., **Esposito G.**, Venuti P., & Bornstein M.H. Interpersonal Competence in Young Adulthood and Right Laterality in White Matter. *Journal of Cognitive Neuroscience*, 26(6):1257-65. (IF=4,49)

#### Other Publications

1. P., Zhang D., **Esposito G.**, et al.(2016) Same or different: common pathways of behavioral biomarkers in infants and children with neurodevelopmental disorders? *Behavioral Brain Sciences*. (IF=20,77)
2. **Esposito G.** (2016) Atypical infant cries among incipient ASDs, developmentally delayed individuals, and language-impaired individuals. *International Journal of Neuropsychopharmacology*, 19, S9-35. (IF=4.33)
3. **Esposito G.**, Dellantonio S., Mulatti C., Job R. (2016) Axiom, anguish and amazement: How autistic traits modulate emotional and proprioceptive mental imagery. *Frontiers in Psychology – Emotion Science*, 7:757. (IF=2,56)

4. Truzzi A., Setoh P., Shinohara K., **Esposito G.** (2016) Physiological responses to dyadic interactions are influenced by neurotypical adults' levels of autistic and empathy traits. *Physiology & Behavior*, 165, 7-14. (IF=2,99)
5. Bornstein, M.H., Costlow, K., Truzzi, A., **Esposito, G.** (2016). Categorizing the cries of infants with ASD versus typically developing infants: A study of adult accuracy and reaction time. *Research in Autism Spectrum Disorders*, 31, 66-72. (IF= 2.12)
6. Rigo P., De Pisapia N., Bornstein MH., Putnick D., Serra M., **Esposito G.**, Venuti P. (2016) Brain processes in women and men in response to emotive sounds. *Social Neuroscience*. Available online 27 February 2016 (IF=3.65)
7. Messina I., Cattaneo L., Venuti P., De Pisapia N., Serra M., **Esposito G.**, et al. (2016) Sex-specific automatic responses to infant cries: TMS reveals greater excitability in females than males in motor evoked potentials. *Frontiers in Psychology - Cultural Psychology*, 6, 1909. (IF=2,87)
8. Senese VP., Venuti P., Giordano F., Napolitano M., **Esposito G.**, Bornstein MH. (2016) Adults' Implicit Associations to Infant Positive and Negative Acoustic Cues: Moderation by Empathy and Gender. *The Quarterly Journal of Experimental Psychology*. Available online: 28 Jul 2016 (IF=2,13)
9. **Esposito G.**, Setoh P., Yoshida S., Kuroda KO. (2015) The calming effect of maternal carrying in different mammalian species. *Frontiers in Psychology - Cultural Psychology*, 6:445. (IF=2,87)  
**Esposito G.**, Setoh P., Bornstein MH. (2015) Beyond practices and values: Toward a physio-bioecological analysis of sleeping arrangements in early infancy. *Frontiers in Psychology - Cultural Psychology*, 6, 264. (IF=2,87)
10. **Esposito G.**, Rostagno M.del C., Venuti P., Haltigan J.D., & Messinger D.M. (2014) Atypical expression of distress during the separation phase of the Strange Situation in infant siblings at high risk for ASD. *Journal of Autism and Developmental Disorders*, 44(4):975-980. (IF=3,72)
11. **Esposito G.**, Paşca SP. (2013) Motor abnormalities as a putative endophenotype for Autism Spectrum Disorders. *Frontiers in Integrative Neuroscience*, 7:43.
12. **Esposito G.**, Nakazawa J., Venuti P., Bornstein MH. (2013) Componential deconstruction of infant distress vocalizations via tree-based models: a study of cry in Autism Spectrum Disorder and typical development. *Research in Developmental Disabilities*, 34(9):2717-2724. (IF=4,41)
13. Yoshida S., **Esposito G.**, et al. (2013) The Transport Response is a filial-specific behavioral response to maternal carrying in C57BL/6 mice. *Frontiers in Zoology*, 10(1):50. (IF=3.87)
14. De Pisapia N., Bornstein M.H., Rigo P., **Esposito G.**, De Falco S., & Venuti P. (2013) Sex differences in directional brain responses to infant hunger cries. *Neuroreport*, 24(3):142-6. (IF=1,66)
15. Occelli V., **Esposito G.**, Venuti P., Arduino, G.M., & Zampini M. (2013) Attentional shifts between audition and vision in Autism Spectrum Disorders. *Research in Autism Spectrum Disorders*, 7(4):517-525. (IF=2,96)
16. **Esposito G.**, Nakazawa J., Venuti P., Bornstein MH. (2012) Perceptions of distress in young children with autism compared to typically developing children: a cultural comparison between Japan and Italy. *Research in Developmental Disabilities*, 33(4):1059-1067. (IF=4,41)
17. **Esposito G.**, Yoshida S., Venuti P., Kuroda K.O. (2012) Three lessons from Philip Teitelbaum and their application to studies of motor development in humans and mice. *Behavioural Brain Research*, 231(2):366–370. (IF=3,62)
18. Caria A., de Falco S., Venuti P., Lee S., **Esposito G.**, Rigo P., Birbaumer N., Bornstein MH. (2012) Species-specific response to human infant faces in the premotor cortex. *Neuroimage*, 60(2):884-893. (IF=5,89)
19. Venuti P., Caria A., **Esposito G.**, de Pisapia N., Bornstein MH., & de Falco S., (2012) Differential brain responses to cries of infants with autistic disorder and typical development: an fMRI Study. *Research in Developmental Disabilities*, 33(6):2255-2264. (IF=4,41)
20. Venuti P., de Falco S., **Esposito G.**, Zaninelli M., & Bornstein MH. (2012) Maternal functional speech to children: a comparison of Autism Spectrum Disorder, Down syndrome, and typical development. *Research in Developmental Disabilities*, 33(2):506-517. (IF=4,41)

21. **Esposito G.**, Venuti P., & Bornstein M.H. (2011) Assessment of distress in young children: a comparison of autistic disorder, developmental delay, and typical development. *Research in Autism Spectrum Disorders*, 5:1510-1516. (IF=2,96)
22. **Esposito G.** & Venuti P. (2010) Developmental changes in the fundamental frequency (f0) of infants' cries: a study of children with Autism Spectrum Disorder. *Early Child Development and Care*, 180(8): 1093-1102.
23. Venuti P., De Falco S., **Esposito G.**, & Bornstein M.H. (2009) Mother and child play in Down syndrome and typically developing dyads. *American Journal of Intellectual Development Disabilities*, 114(4):274-88. (IF=2,91)
24. **Esposito G.** & Venuti P. (2008) How is crying perceived in children with Autistic Spectrum Disorder? *Research in Autism Spectrum Disorders*, 2(2):371-384. (IF=2,96)
25. **Esposito G.** & Venuti P. (2006) Gait analysis in children with autism spectrum disorder and in children with typical development. *Gait & Posture*, 24:269-70. (IF=2,58)

#### **Recent Awards**

2015-2018. Infant Sleeping Arrangement and mother-infant well-being in Singapore. MoE Tier 1 (50K \$)

2014-2016. Infant Responses to Maternal Carrying in Human as Early Biomarker and Prognosis Estimator of Child Psychopathology. FP7 PEOPLE - Marie Curie Career Integration Grants (PCIG14-GA-2013-630166, 101K US\$)

2012-14. Carrying soothes a baby: a comparative physio-behavioral analysis in human and mouse infants. Wakate B, Japan Society for the Promotion of Science (B10618341, 50K US\$).

2011-14. Comparative neuro-behavioral analysis of infantile attachment behavior in mice and humans, and its implication to Autism. FPR Initiative, RIKEN (255K US\$).

2010. Quantitative behavioural analysis of Transport Response in Mouse. Short Term Applied Science Funds, Japan Society for the Promotion of Science (PE09064, 50K US\$).

#### **Graduate students supervised**

(2014-present):

- Mattia Maggiulli (MA): Language Development between Nature and Nurture: a Study on Babbling in Monolingual and Bilingual Infants
- Alice Santoni (MA): Assessment of the Infant Directed Speech in Post-partum Depression
- Rita Stival (MA): Using infrared thermography to assess emotional responses to infants
- Giulia Virginia La Monica (MA): Maternal Salivary Alpha Amylase and Heart Dynamics as responses to their infant cry
- Arianna Dalsant (MA): Emotional security mediates physiological responses to human distress vocalizations in male adults
- Anna Truzzi (MA): Different levels of autistic and empathy traits in adults mediate differential physiological responses to social interactions
- Laura Friedl (MA): Calming effect of maternal carrying in babies
- Manuel Muratore (MA): Intrauterine exposure to testosterone modulates the physiological reaction to social stimuli in adult subjects
- Ilaria Cataldo (MA): Temporal Dynamics of Bonding: a structural model of Attachment from childhood to adulthood in three cultural contexts (Italy, Japan, Singapore)
- Matteo Dalsasso (MA): Infant directed speech: a cross-linguistic and cross-cultural study on differences and similarities of maternal language in Italian, Japanese and German cultures

**Number of post-doctorates and PhD students currently in the lab and their source of funding (e.g. MOE AcRF Tier 2, BMRC, NMRC, SERC, DSTA, etc)**

Nil