

# 13<sup>TH</sup> INTERNATIONAL INFANT CRY WORKSHOP PROGRAMME

CASTEL NOARNA - ROVERETO, ITALY



UNIVERSITY OF TRENTO - Italy  
Department of Psychology  
and Cognitive Science



NANYANG  
TECHNOLOGICAL  
UNIVERSITY



*MeadJohnson*  
PEDIATRIC NUTRITION  
INSTITUTE



# PROGRAM OVERVIEW

## Thursday, July 6<sup>th</sup>

10:00 - 12:00	Registration Desk (@ Hotel Leon D'Oro)
12:00 - 13:00	Lunch at Hotel Leon D'Oro
13:15	Bus Departure
14:00 - 16:30	Opening Symposium
16:45 - 18:30	Short & Sweet Session
18:30 - 22:00	Surprise Program

## Friday, July 7<sup>th</sup>

8:30	Bus Departure
8:45	Photo Session
9:30 - 11:00	<b>Symposium</b> - Development of support services for parents of excessively crying babies for inclusion in a National Health Service: the Surviving Crying Study
11:30 - 13:00	<b>Symposium</b> - Colic and Regulatory Problems: Impacts from Infancy to Adulthood and Parents' Role on Treatment Efficacy
14:00 - 15:30	<b>Symposium</b> - Let my cry reach you: understanding the structure and function of neonatal cries in humans and mice
15:30 - 16:30	<b>Symposium</b> - Distress Calls in young animals
16:45 - 18:30	Social Activity
19:00	Social Dinner

## Saturday, July 8<sup>th</sup>

9:30 - 11:30	Plenary Session
11:45 - 13:30	Poster Session - sponsored by Mead Johnson Nutrition Company

# OPENING SYMPOSIUM

Castel Noarna - July 6<sup>th</sup> 14:00 - 16:30

Introduction: Gianluca E.

Chairpersons: Margarete B. & Peipei S.

## Infant Crying Level Elicits Divergent Testosterone Response in Fathers and Non Fathers

Roellke E., Raiss M., King S., Lytel-Sternberg J., Zeifman D.

## Variations in 5-HTTLPR influence implicit association to infant cry

Senese P.

## The Association Between Infant Crying, Temperament and Parental Stress

Medoff-Cooper B.

## Specific risk constellations for infants' crying, feeding and sleeping problems

Petzoldt J., Wittchen H., Martini J.

## Potential evolutionary, neuro-physiological and developmental origins of inconsolable crying (colic) and the Sudden Infant Death Syndrome (SIDS): Is It All A Matter Of Control of Breath?

McKenna J., Middlemiss W., Tarsha M.

## The Calming Response in Excessively Crying Babies: How Quickly do Babies Respond to White Noise and Movement?

Rodenburg R., Moller E.

## Is Lactobacillus reuteri DSM17938 Effective for the Treatment of Infant Colic? Results from an International Individual Participant Data Meta-Analysis (IPDMA)

Sung V, Cabana MD, Chau K, Koren, G, Savino F, Szajewska H, Deshpande G, Dupont C, Indrio F, Mentula S, Partty A, D'Amico F, Tancredi D.

## Calming Reflex: A Novel Paradigm To Explain and Remedy Persistent Infant Crying

Karp H.

## Infant distress calls during carrying as consequence of parental practices: A primate model.

Laura M. River, Jessica L. Borelli, & S. Katherine Nelson-Coffey

# “SHORT & SWEET” SESSION

Castel Noarna - July 6<sup>th</sup> 16:45 - 18:30

Chairpersons: Barbara M.

**Analysis of available methods for Fundamental Frequency Estimation applied to the Infant Cry**

Gabrieli G., Scapin G., Panzariello S., Esposito G.

**In a bad mood? Automatic audio-based recognition of infant fussing and crying in video-taped vocalisations**

Pokorny F., Schuller B., Bartl-Pokorny K., Dajie Zhang, Einspieler C., Marschik P.

**The relationships between social circumstances, maternal mental health and crying behaviour in infants following early cardiac surgery**

Jordan B, Sheehan J., Franich-Ray C., Little J., Anderson V., Cheung M.

**Profiling the Neurovascular Responses of Infant Cry During Arm Restrain and Maternal Separation using fNIRS**

Ablow J., Measelle J.

**New tricks, old dogs: Using fNIRS to measure mothers' hemodynamic response to infant distress during the Still Face**

Measelle J., Ablow J.

**Ultrasonic communication in human mother-infant pair**

Doi H., Sulpizio S., Esposito G., Kikuno Y., Bornstein M.H., Shinohara K.

**Gender and context effects modulate adults' neurophysiological response to infant vocalizations**

Azhari A., Rigo P., Truzzi A., Esposito G.

# DEVELOPMENT OF SUPPORT SERVICES FOR PARENTS OF EXCESSIVELY CRYING BABIES FOR INCLUSION IN A NATIONAL HEALTH SERVICE: THE SURVIVING CRYING STUDY

Castel Noarna - July 7<sup>th</sup> 9:30 - 11:00

Chairpersons: Ian S.

## Development of the Surviving Crying support package

Bamber D., Powell C., Long J., Garratt R., Brown J., Dyson S.

## Evaluation of the effectiveness of the Surviving Crying materials

Powell C., Bamber D., Long J., St James-Roberts I.

## Evaluation of the cost of each of the Surviving Crying package components

Long J., Morris S., Powell C., Bamber D., St James-Roberts I.

## Delivering the support package in practice: next steps

Garratt R., Brown J., St James-Roberts I.

# COLIC AND REGULATORY PROBLEMS: IMPACTS FROM INFANCY TO ADULTHOOD AND PARENTS' ROLE ON TREATMENT EFFICACY

Castel Noarna - July 7<sup>th</sup> 11:30 - 13:00

Chairpersons: Dieter W.

## Behavioural outcomes of infant colic in toddlerhood: a longitudinal study

Bell G., Hiscock H., Tobin S., Sung V.

## The association of infant regulatory problems and real life outcomes in adulthood

Wolke D., Baumann N., Bartmann P., Sorg C.

## Infant regulatory problems and the development of attention problems into adulthood

Breeman L. D., Baumann N., Sorg C., Wolke D.

## Parental anxiety predicts treatment efficacy in sleep-disturbed and irritable infants

Bolten M., Di Gallo A., Glanzmann R.

## Early Multiple Regulatory Problems and Attachment at 18 months

Bilgin A., Wolke D.

## Pain relieving agent for Infantile colic: a cochrane review.

Savino F.

# LET MY CRY REACH YOU: UNDERSTANDING THE STRUCTURE AND FUNCTION OF NEONATAL CRIES IN HUMANS AND MICE

Castel Noarna - July 7<sup>th</sup> 14:00 - 15:30

Chairpersons: Noboru H.

**Early detection of ASD through the analysis of infant crying: suggestion by animal models**

Scattoni M.L.

**Atypical distress vocalization in early autism and caregivers's behavioral and brain responses**

Esposito G.

**Structure and function of neonatal social communication in a genetic mouse model of autism spectrum disorder**

Hiroi N.

**The acoustic structure of infant cries in relation to stress response systems and neurobehavioral features in the neonatal period**

Sheinkopf S., Righi G., McCormick C., Lester B. M.

## DISTRESS CALLS IN YOUNG ANIMALS

Castel Noarna - July 7<sup>th</sup> 15:30 - 16:30

Chairpersons: Kazuyuki S.

**Deer mothers are sensitive to infant distress vocalizations of diverse mammalian species – Are humans?**

Lingle S., Riede T.

**Infant distress calls during carrying as consequence of parental practices: A primate model**

Truzzi A., Shinozuka K., Yano-Nashimoto S., Shindo S., Saito A., Esposito G., Kuroda K. O.

# PLENARY SESSION

Palazzo Istruzione- July 8<sup>th</sup> 9:30 - 11:30

Chairpersons: Gianluca E. & Kazuyuki S.

**Infant and Toddler Regulatory Problems, Childhood Dysregulated Behaviour, and Psychopathological Outcomes at 11 to 14 years**

Wolke D. & Winsper C.

**Developing an online training course in infant crying and its impact on parents**

St James-Roberts I.

**Investigating temporal dynamics of vocalisations within the parental brain**

Kringelbach M. L.

**Infant Cry in Multilevel Perspective: Neuroscience, Parenting, Culture**

Bornstein M. H.



# POSTER SESSION

## SPONSORED BY MEAD JOHNSON NUTRITION COMPANY

Palazzo Istruzione- July 8<sup>th</sup> 11:45 - 13:30

**Skin-to-Skin Contact Versus Care-As-Usual in Mothers and Their Full-Term Infants: An Ongoing Randomized Controlled Trial**

Cooijmans K., Beijers R., De Weerth C.

**Prenatal Predictors of Postpartum Quality of Caregiving Behavior in Mothers and Fathers**

Hechler C., Beijers R., Riksen-Walraven M., De Weerth C.

**Cortisol in Breast milk and Infant Crying in the first three months of life**

Hechler C., Beijers R., Riksen-Walraven M., De Weerth C.

**Ongoing Ratings of Infant Distress and Physiological Responses During a Ten-Minute-Long Cry Bout**

Plucinik J., Wood R. M., Holt S. A., Welch T., Altieri D., Corey N., Rieger L., Duenas A., Adamowicz S., Marczyk O., Austad C. S., Gibbs A. N.

**Potential Effects of The Happiest Baby Method: A Behavioral Intervention to Reduce Excessive Infant Crying**

Moller E., Rodenburg R.

**Infant signals enhance infant-centric cognitive processes**

Haley D.

**Caring for Crying Babies: understanding clinician management of crying babies**

McGann J., Manohar J., Hiscock H., O'Connor D., Hodgson J., Babl F., Sung V.

**Motor system involvement in response to infant cry promotes women's promptness to take active rather than passive action**

Panzariello S., Truzzi A., Lakshmi B., Esposito G.

**Fathers' and non-fathers' brain responses to distress vocalizations of typically developing infants and infants with Autism Spectrum Disorders**

Gabrieli G., Truzzi A., Bornstein M. H., Esposito G.

**Male arousal in response to cry is shaped by interaction of paternal bond and oxytocin-related genotype**

Setoh P., Truzzi A., Shinohara K., Bornstein M. H., Esposito G.

**ASD infant cry and laughter activate brain areas involved in input processing in an asymmetrical fashion in fathers vs non-fathers**

Truzzi A., Valenzi S., Tanvir S., Bornstein M. H., Esposito G.