



2005 Annual Meeting ♦ Poster Sessions

September 21-24, 2005 ♦ Lisbon, Portugal

Poster Session 1 ♦ Thursday, September 22, 2005

1:00 p.m.-2:30 p.m., Author Present Piso 1 Foyer
FIL Meeting Centre

1. EFFECTS OF INTERMITTENT PEPPERMINT ODOR ADMINISTRATION ON ALERTNESS, MOOD, MOBILITY, AND SLEEP PATTERNS

Amanda Schuler; Bryan Raudenbush, Wheeling Jesuit University

2. EFFECTS OF VIDEO GAME PLAY TYPES ON PAIN THRESHOLD AND TOLERANCE

William Esgro; Bryan Raudenbush; Trevor Cessna; Kristin McCombs; Curt Simcox; Ricky Yahn, Wheeling Jesuit University

3. EFFECTS OF SHAM INTOXICATION ON COGNITIVE FUNCTIONING AND PERFORMANCE

Jeffrey Smith; Bryan Raudenbush; Trevor Cessna; Ricky Yahn; Kristin McCombs, Wheeling Jesuit University

4. EFFECTS OF ODORANT ADMINISTRATION ON DRIVING ALERTNESS, FATIGUE, SAFETY, AND PERFORMANCE

Bryan Raudenbush; William Esgro; Rebecca Grayhem; Tom Sears; Ian Wilson, Wheeling Jesuit University

5. THE INFLUENCE OF INTERVENING TASKS ON RESPONSE PREPARATION

Joerg Sangals; Werner Sommer, Humboldt University at Berlin

6. ADULTS AND CHILDREN WITH ATTENTION-DEFICIT HYPERACTIVITY DISORDER PRESENT ATYPICAL CONTINGENT NEGATIVE VARIATIONS DURING AN EXECUTIVE FUNCTION/PLANNING TASK

Kimberly H. Anderson, University of Florida; Dana L. Byrd, New York Psychiatric Institute/Columbia University; Kristopher L. Anderson; W. Keith Berg, University of Florida

7. A UNIQUE AND EFFECTIVE ALGORITHM FOR DETECTING CARDIAC R-WAVES FROM NOISY DATA IMPLEMENTED IN MATLAB

Kristopher L. Anderson; W. Keith Berg, University of Florida

8. HOSTILITY AND ANGER OUT: CARDIOVASCULAR REACTIVITY AND RECOVERY TO MENTAL ARITHMETIC STRESS WITH HARASSMENT

Elizabeth J. Vella; Bruce H. Friedman; Jeffrey Elcano; Thomas Evans; Michael Sweet, Virginia Tech

9. ATTENTION IMPAIRMENT IN MULTIPLE SCLEROSIS EVALUATED BY THE PARADIGM OF POSNER

Javier J. Gonzalez-Rosa; Manuel Vazquez-Marrufo, University of Seville & Virgen Macarena Hospital; Pablo Duque, Virgen Macarena Hospital; Encarnacion Vaquero, University of Seville; Miguel A. Gamero; Monica Borges; Guillermo Izquierdo, Virgen Macarena Hospital; Carlos M. Gomez, University of Seville

10. ABNORMAL SPECTRAL CONTENT AND ERPS IN MULTIPLE SCLEROSIS

Manuel Vazquez-Marrufo; Javier J. Gonzalez-Rosa; Pablo Duque, Virgen Macarena Hospital; Encarnacion Vaquero, Virgen Macarena Hospital and University of Seville; Carles Escera, University of Barcelona; Monica Borges; Guillermo Izquierdo, Virgen Macarena Hospital; Carlos M. Gomez, University of Seville

11. DEFENSIVE REACTIVITY AND AUTONOMIC REGULATION IN SOCIAL PHOBIA

Marisa Viedma; Elisabeth Kley; Joaquin Pegalajar; Humbelina Robles; Jaime Vila, University of Granada

12. PSYCHOPHYSIOLOGICAL MECHANISMS OF NICOTINE CRAVING

Miguel Angel Munoz; Sonia Rodriguez; Isabel Ramirez; Antonio Verdejo; Jaime Vila, University of Granada

13. HEART RATE VARIABILITY AND ATTENTION IN AN EMOTIONAL DISCRIMINATION TASK UNDER EFFECTIVE AND NON EFFECTIVE MASKING CONDITIONS

Jose Luis Mata; Maria Blasa Sanchez; Cynthia Vico; Elisabeth Ruiz-Padial, University of Jaen; Jaime Vila, University of Granada

14. RELATIONSHIPS AMONG STARTLE AND HEART RATE VARIABILITY IN PERSONS WITH BULIMIA NERVOSA

Sonia Rodriguez; Miguel Angel Munoz; Maria Carmen Fernandez; Jaime Vila, University of Granada

15. PSYCHOPHYSIOLOGICAL MECHANISMS OF ANXIETY DISORDERS

Maria Nieves Vera; Nieves Perez; Marisa Viedma; Jaime Vila, University of Granada

16. COVARIATION AND INTERFERENCE BETWEEN PHYSIOLOGICAL REFLEXES: EYE-BLINK STARTLE, CARDIAC DEFENSE, AND SKIN CONDUCTANCE

Jaime Vila, University of Granada; Ottmar V. Lipp; Helena M. Purkis, University of Queensland; Maria Carmen Fernandez, University of Granada

17. INFRARED MEASUREMENT OF HUMAN PREPULSE STARTLE MODIFICATION

Wade R. Elmore, Christopher T. Lovelace; Diane L. Fillion, University of Missouri-Kansas City

18. AFFECTIVE TRANSFER AND EMOTION MODULATION: AN EXAMINATION OF THE EXCITATION-TRANSFER THEORY (ETT) AND THE INCOMPATIBLE RESPONSE MODEL (IRM)

C. Beau Nelson; Jakob Nelson; Diane L. Fillion, University of Missouri-Kansas City

19. PREHABITUATION OF PREPULSE STIMULI REDUCES ATTENTIONAL MODIFICATION OF PREPULSE INHIBITION OF STARTLE: A COMPARISON OF PASSIVE AND ACTIVE PREHABITUATION PROCEDURES
Albert B. Poje; Diane L. Fillion, University of Missouri - Kansas City
20. CONCURRENT ACTIVATION OF THE FEAR SYSTEM AND VISUAL AND PARIETAL CORTEX DURING PAVLOVIAN FEAR CONDITIONING
Stephan Moratti; Andreas Keil, University of Konstanz
21. TIME-FREQUENCY ANALYSIS OF TARGET DETECTION REVEALS AN EARLY INTERFACE BETWEEN BOTTOM-UP AND TOP-DOWN PROCESSES IN THE GAMMA-BAND
Niko A. Busch; I. Freund; J. Schadow; Christoph S. Herrmann, University of Magdeburg
22. EVALUATION OF ELECTRODERMAL RESPONSES IN INDIVIDUALS WITH DIFFERENT LEVELS OF AGGRESSIVENESS
José Brites; Paulo Chaló; Américo Baptista, Universidade Lusofona de Humanidades e Tecnologias
23. PSYCHOPHYSIOLOGICAL AND VERBAL EMOTIONAL REACTIONS TO SEX RELATED PICTURES
Bruno Ingles; Francisco Esteves, Universidade Lusofona de Humanidades e Tecnologias
24. GENDER DIFFERENCES IN THE ELECTRODERMAL REACTIVITY TO SENSATIONS SEEKING AND ACCIDENT STIMULI
Joana B. Rosa; Americo Baptista; Carla Perfeito; Ivo Pereira, Universidade Lusofona Humanidades e Tecnologias
25. THEMATIC INTEGRATION: PROCESSING ARGUMENT AND ADJUNCT PHRASES
Fabrizio Pizzioli; Bruno Rossion; Marie-Anne Schelstraete, Catholic University of Louvain; Hiroko Nakano, Saint Mary's College of California
26. ELECTROPHYSIOLOGICAL EVIDENCE FOR FAST AND AUTOMATIC DETECTION OF ORTHOGRAPHIC REGULARITIES
Marina Mariol; Coentín Jacques; Marie-Anne Schelstraete; Bruno Rossion, Catholic University of Louvain
27. TEMPORAL DISSOCIATION OF SPATIAL ATTENTION AND COMPETITION EFFECTS BETWEEN FACE REPRESENTATIONS
Coentín Jacques; Bruno Rossion, University of Louvain
28. SOCIAL FEAR AND RAPID EMOTIONAL REACTIONS TO ANGRY AND HAPPY FACIAL EXPRESSIONS
Monika Thunberg; Ulf Dimberg, Uppsala University
29. EMPATHY AND FACIAL REACTIONS TO FACIAL EXPRESSIONS
Ulf Dimberg; Per Andreasson; Monika Thunberg, Uppsala University
30. SSVEP-BASED BRAIN-COMPUTER INTERFACE FOR TWO-DIMENSIONAL DEVICE CONTROL
Leonard J. Trejo; Bryan Matthews; Roman Rosipal; Rebekah Kochavi, NASA Ames Research Center
31. EVENT-RELATED POTENTIAL RESPONSES ELICITED BY OCCASIONAL CHANGES IN SOUND LOCATION ACROSS THE FIRST 8 MONTHS OF LIFE
Ranil R. Sonnadara; Lisa Hotson; Laurel J. Trainor, McMaster University
32. PREFRONTAL INHIBITORY CONTROL OF HEART RATE DECREASES WITH AGE
Julian F. Thayer, National Institute on Aging; Geoffrey L. Ahern, University of Arizona Health Sciences Center; Rebecca A. Silver; John J. Sollers, III, National Institute on Aging
33. DISSOCIATION OF FACIAL EXPRESSIONS OF EMOTION AND AUTONOMIC NERVOUS SYSTEM RESPONDING IN CHILDREN WITH CONDUCT DISORDER
Penny Marsh; Theodore P. Beauchaine; Andrew Fleming; Jane Chipman-Chacon; Sharon Brenner; Sheila E. Crowell; Lisa Gatzke-Kopp; Hilary Mead; Kate Shannon, University of Washington
34. PSYCHOLOGICAL, AUTONOMIC, AND SEROTONERGIC CORRELATES OF PARASUICIDE AMONG ADOLESCENT GIRLS
Sheila E. Crowell; Theodore P. Beauchaine; Adrienne Stevens; Elizabeth McCauley; Cindy J. Smith, University of Washington
35. AUTONOMIC PROFILES OF PREADOLESCENT BOYS WITH CONDUCT DISORDER, DEPRESSION, AND BOTH PSYCHIATRIC CONDITIONS
Hilary K. Mead; Theodore P. Beauchaine; Lisa M. Gatzke-Kopp; Sharon Brenner; Sheila E. Crowell; Penny Marsh; Kate E. Shannon, University of Washington
36. RELATIONS BETWEEN CARDIOVASCULAR AND ELECTRODERMAL REACTIVITY AND PERSONALITY
Sharon L. Brenner; Theodore P. Beauchaine, University of Washington
37. MODIFICATION OF DYSPNEA BY FEEDBACK OF INTERCOSTAL MUSCLE ELECTROMYOGRAPHIC ACTIVITY
Andreas von Leupoldt; Bernhard Dahme; Thomas Ritz, University of Hamburg & Southern Methodist University, Dallas
38. EXPERIMENTAL COMPARISON OF BREATHLESSNESS AND PAIN
Andreas von Leupoldt; Bernhard Dahme, University of Hamburg
39. RESPIRATORY SINUS ARRHYTHMIA MODERATES THE RELATION BETWEEN MATERNAL MELANCHOLIC DEPRESSION AND CHILD DEPRESSION
Katherine E. Shannon; Theodore P. Beauchaine; Lisa M. Gatzke-Kopp; Sharon L. Brenner; Sheila E. Crowell; Hilary K. Mead; Penny Marsh, University of Washington
40. DISCRIMINATION TO PHONETIC AND ACOUSTIC STIMULI IN INFANTS WITH PERIVENTRICULAR LEUKOMALACIA. AN EVENT-RELATED POTENTIAL STUDY
Gloria N. AVECILLA Ramirez; Thalia Harmony; Eneida Porras-Kattz; Josefina Ricardo-Garcell; Antonio Fernandez-Bouzas; Efrain Santiago; Berta G. Gonzalez-Frankenberger, Institute of Neurobiology, UNAM
41. SYSTOLIC INHIBITION OF NOCICEPTIVE RESPONDING IS MODERATED BY AROUSAL
David McIntyre; Christopher Ring; Louisa Edwards; Douglas Carroll, University of Birmingham
42. OPIOID BLOCKADE LOWERS THE NOCICEPTIVE FLEXION REFLEX THRESHOLD IN NORMOTENSIVES BUT NOT HYPERTENSIVES
L. Edwards; C. Ring; D. McIntyre; D. Carroll, University of Birmingham, UK; C.R. France, Ohio University; M. al'Absi, University of Minnesota, USA; U. Martin, University of Birmingham, UK

43. PRE-MOTOR REACTION TIMES BUT NOT TOTAL REACTION TIMES VARY ACROSS THE CARDIAC CYCLE FOR ELECTROCUTANEOUS AND AUDITORY BUT NOT VISUAL MODALITIES
L. Edwards; C. Ring; D. McIntyre; D. Carroll; U. Martin, University of Birmingham
44. RESTING STATE EEG ABNORMALITIES AS INDICATORS OF GENETIC VULNERABILITY IN SCHIZOPHRENIA AND BIPOLAR DISORDERS: A FAMILY STUDY
Noah C. Venables; Edward M. Bernat; Scott R. Sponheim, Minneapolis VA Medical Center and University of Minnesota
45. CUE-DEPENDENT MODULATION OF NEURAL ACTIVITY DURING OBJECT IDENTIFICATION IN SCHIZOPHRENIA PATIENTS
Scott R. Sponheim, Minneapolis VAMC / University of Minnesota; Edward M. Bernat, University of Minnesota; John J. Stanwyck, Minneapolis VAMC; Angus W. MacDonald, III; Matthew V. Chafee, University of Minnesota
46. CATEGORIZING AROUSING PICTURES: AFFECTIVE AND NON-AFFECTIVE DECISIONS DIFFERENTIALLY INFLUENCE THE LATE POSITIVE POTENTIAL
Greg Hajcak; Jason S. Moser; Maura T. Rupp; Robert F. Simons, University of Delaware
47. THE TEMPORAL DYNAMICS OF FACIAL PROCESSING IN SOCIAL ANXIETY: EVIDENCE FROM A FLANKERS TASK
Jason S. Moser; Greg Hajcak; Robert F. Simons, University of Delaware
48. THE EFFECTS OF COGNITIVE AND AFFECTIVE LOAD ON THE CORRECT RESPONSE NEGATIVITY
Jason S. Moser; Greg Hajcak; Robert F. Simons, University of Delaware
49. DIAGNOSTIC AND GENETIC SPECIFICITY OF ELECTROPHYSIOLOGICAL ABNORMALITIES DURING VISUAL SEARCH: EVIDENCE FROM SCHIZOPHRENIA AND BIPOLAR DISORDER
John J. Stanwyck; Scott R. Sponheim, Veterans Affairs Medical Center Minneapolis
50. EARLY VISUAL EVENT-RELATED POTENTIAL ACTIVITY IN EXTRA-STRIATE CORTEX
Julie A. Onton; Arnaud Delorme; Scott Makeig, UCSD
51. INDIVIDUAL DIAGNOSTIC DECEPTION TEST RESULTS BASED ON P300 SCALP DISTRIBUTION WITH MULTIPLE MOCK CRIME ISSUES
Ming A. Lui; J. Peter Rosenfeld, Northwestern University
52. A NOVEL P300-BASED CONCEALED INFORMATION DETECTOR: COMBINED PROBE AND TARGET TRIALS
J. Peter Rosenfeld; Ming A. Lui; Katieann Skogsberg; Shimrit Scher, Northwestern University
53. ASSOCIATION BETWEEN END-TIDAL PCO₂ AND NEGATIVE AFFECT IN HEALTHY INDIVIDUALS
Sibylle Petersen; Bernhard Orth; Thomas Ritz, University of Hamburg & Southern Methodist University, Dallas
54. AIRWAY RESPONSE TO EMOTION- AND DISEASE-SPECIFIC FILMS IN ASTHMA, BLOOD PHOBIA, AND HEALTH
Thomas Ritz, University of Hamburg & Southern Methodist University, Dallas; Frank H. Wilhelm, University of Basel; Alicia E. Meuret, Boston University; Alexander L. Gerlach, University of Muenster; Walton T. Roth, Stanford University & VA Palo Alto HCS
55. INDIVIDUAL DIFFERENCES IN VOLUNTARY EMOTION REGULATION
Hyejeen Lee; Richard J. Davidson, University of Wisconsin-Madison
56. RATE OF CHANGE IN FRONTAL EEG ASYMMETRY PREDICTS CHILD EMPATHETIC TEMPERAMENT
Sharee N. Light; James A. Coan; Hill H. Goldsmith; Richard J. Davidson, University of Wisconsin-Madison
57. CAN A METAPHOR'S CAREER BE PREDICTED? AN ERP STUDY
Annika L. Heinen; Michael T. McKay, Randolph-Macon College
58. THREAT INDUCED ANXIETY ALTERS THE VISUAL PROCESSING OF NON-EMOTIONAL TARGETS
Jeffrey S. Maxwell; Alexander J. Shackman; Brenton W. McMenamin; Lawrence L. Greischer; Richard J. Davidson, University of Wisconsin - Madison
59. IMPACT OF WITHDRAWAL ON NICOTINE EXPECTANCY: AN FMRI INVESTIGATION OF REGIONAL BRAIN ACTIVITY
Rebecca Gloria; Hillary Schaefer; James Davis; Matthew Majeskie; Burke Richmond; Richard J. Davidson; Timothy B. Baker, University of Wisconsin-Madison
60. INDEPENDENT COMPONENT ANALYSIS OF HIGH DENSITY EEG DATA FROM AN AFFECTIVE PICTURE VIEWING TASK
Lawrence L. Greischar; Carien M. van Reekum; Regina Lapate; Gina Beguhn; Nancy Rawlings; Richard J. Davidson, University of Wisconsin
61. CHARACTERIZATION OF NORMAL AND PHOBIC FEAR VIA FMRI AND ANCILLARY MEASURES
Hillary S. Schaefer, University of Wisconsin-Madison; Christine L. Larson, Michigan State University; Richard J. Davidson, University of Wisconsin-Madison
62. THE EFFECTS OF INTERNET CONTENT STRUCTURE ON ATTENTION & RECOGNITION
Rebecca A. Marxer, University of Missouri-Columbia
63. THE EFFECT OF A POLITICAL LEADER'S DIFFERENT FACIAL EXPRESSIONS ON ORIENTING, SKIN CONDUCTANCE, AND ZYGOMATIC ACTIVITY
Youngkee Ju; Kevin Wise, University of Missouri-Columbia
64. THE EFFECT OF COMPLEXITY OF CHOICE AND PICTURE VALENCE ON ORIENTING AND ENCODING
Kevin Wise; Kimberlee Belcher, University of Missouri-Columbia
65. THAT'S DISGUSTING! THE EFFECT OF DISGUSTING IMAGES IN ANTI-SMOKING MESSAGES
Paul D. Bolls; Stephanie A. Miles; Erika Thomas; Rebecca L. Norris; Rebecca A. Marxer; Glenn Leshner, University of Missouri-Columbia
66. SLEEP ENHANCES MEMORY FOR TASK-IRRELEVANT STIMULI
Olaf Lahl; Reinhard Pietrowsky, University of Duesseldorf
67. EFFECTS OF INTRANASALLY ADMINISTERED CHOLECYSTOKININ ON ENCODING OF AUTOMATIC AND CONTROLLED MEMORY PROCESSES
Reinhard Pietrowsky; Ronald Schneider, University of Düsseldorf
68. NEUROPHYSIOLOGICAL CORRELATES OF BEHAVIORAL DISINHIBITION: SEPARABLE CONTRIBUTIONS OF DISTINCT PERSONALITY TRAITS
Noah C. Venables; Edward M. Bernat; Jason R. Hall; Benjamin V. Steffen; Meredith Cadwallader; Robert F. Krueger; Christopher J. Patrick, University of Minnesota

Poster Session 1 ♦ Thursday, September 22, 2005 - continued

69. PSYCHOPATHY AND BRAIN RESPONSE TO NOXIOUS NOISE PROBES
Uma Vaidyanathan; Edward Bernat; Jason Hall; Benjamin Steffen; Christopher J. Patrick, University of Minnesota
70. EXTERNALIZING PSYCHOPATHOLOGY AND THE ERROR-RELATED NEGATIVITY: EVIDENCE FOR REDUCED NEURAL PROCESSING OF ERRORS IN HIGH-EXTERNALIZING UNDERGRADUATES
Jason R. Hall; Edward M. Bernat; Noah C. Venables; Benjamin V. Steffen; Meredith Cadwallader; Robert F. Krueger; Christopher J. Patrick, University of Minnesota
71. EXTERNALIZING PSYCHOPATHOLOGY AND BRAIN RESPONSES TO GAIN AND LOSS FEEDBACK IN A SIMULATED GAMBLING TASK
William L. Schoeppner; Edward M. Bernat; Hannah Scott; Jason R. Hall; Noah C. Venables; Benjamin V. Steffen; Meredith Cadwallader; Robert F. Krueger; Christopher J. Patrick, University of Minnesota
72. EVIDENCE FOR RETARDED EXTINCTION OF FEAR LEARNING IN ANXIOUS CHILDREN
Otmar V. Lipp; Susan H. Spence; Lisa C. Liberman; Sonja March, University of Queensland
73. PERCEIVED STRESS AND S-IGA SECRETION DURING GESTATION PERIOD
Fumio Yamada, Osaka University of Human Sciences; Akemi Take, Kyoto Tachibana University; Hajime Nagai, R & D, Cerebos Pacific Limited, Singapore
74. MAGNETIC RESONANCE IMAGING (MRI) OF VOLUME CONDUCTED CURRENT IN A TISSUE EQUIVALENT PHANTOM
Kimberly D. Brewer, Dalhousie University; Steven D. Beyea; Ryan C.N. D'Arcy, National Research Council Canada
75. AN EVENT-RELATED FMRI STUDY OF ORTHOGRAPHY AND PHONOLOGY IN SILENT READING
Erin L. Mazerolle; Ryan C.N. D'Arcy, National Research Council; John F. Connolly; Elisabet Service, Dalhousie University; Lawrence Ryner, National Research Council
76. ELECTROPHYSIOLOGICAL CORRELATES OF VISUAL OBJECT RECOGNITION
Erin L. Mazerolle; Ryan C.N. D'Arcy, National Research Council; R. Bruce Bolster, University of Winnipeg
77. FUNCTIONAL MRI EVALUATES TEMPORAL LOBE FUNCTION DURING A PICTURE-WORD MATCHING TASK
Ryan C.N. D'Arcy, National Research Council; R. Bruce Bolster, University of Winnipeg; Lawrence Ryner, National Research Council
78. ERROR RELATED BRAIN POTENTIALS TO PERCEIVED AND UNPERCEIVED ERRORS IN AN ANTISACCADE TASK
Tanja Endrass, Humboldt University at Berlin; Markus Ullsperger, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig; Norbert Kathmann, Humboldt University at Berlin
79. BRAIN POTENTIALS RELATED TO SACCADIC EYE MOVEMENT CONTROL IN SCHIZOPHRENIC PATIENTS AND HEALTHY CONTROL SUBJECTS
Norbert Kathmann; Tanja Endrass; Benedikt Reuter, Humboldt University at Berlin
80. THE NEW OR THE AVERSIVE: WHAT TRIGGERS HYPERATTENTION IN PATIENTS WITH OBSESSIVE COMPULSIVE DISORDER?
Norbert Kathmann; Sandra Glueck; Rene Altmann; Maria Savina; Tanja Endrass, Humboldt University at Berlin
81. EFFECTS OF SOMATOSENSORY CORTICAL REORGANIZATION ON TACTILE PERCEPTUAL LEARNING I: PSYCHOPHYSICS AND FMRI IN HUMAN
Ahmed A. Karim, University of Tuebingen; Amra Hodzic, Max Planck Research School of Neural & Behavioral Sciences; Ralf Veit; Niels Birbaumer, University of Tuebingen; Ben Godde, International University Bremen
82. EFFECTS OF SOMATOSENSORY CORTICAL REORGANIZATION ON TACTILE PERCEPTUAL LEARNING II: FACILITATING EFFECT OF TMS
Ahmed A. Karim, University of Tuebingen; Yiwen Li Hegner; Max Planck Research School of Neural & Behavioral Sciences; Niels Birbaumer, University of Tuebingen; Ben Godde, Jacobs Center for Lifelong Learning, International University Bremen

Poster Session 2 ♦ Thursday, September 22, 2005

8:00 p.m.-9:30 p.m., Author Present **Piso 1 Foyer
FIL Meeting Centre**

1. ELECTROPHYSIOLOGICAL INDICES OF PROCESSING SOCIAL AND NON-SOCIAL AFFECTIVE STIMULI
Anna Barrett; Julian G. Simmons; Nick B. Allen, University of Melbourne
2. ALTERED BRAIN PROCESSING OF SENSORY AND AFFECTIVE PAIN ADJECTIVES IN PATIENTS WITH CHRONIC MUSCULOSKELETAL PAIN
Carolina Sitges, University of Balearic Islands; Manuel Garcia-Herrera; Raul Izquierdo; Dolores Collado, Social Security Agency Palma; Magdalena Truyols, General Hospital Palma; Pedro Montoya, University of Balearic Islands
3. EVIDENCE OF A SOMATOSENSORY GATING DEFICIT IN PATIENTS WITH FIBROMYALGIA
Pedro Montoya; Carolina Sitges, University of Balearic Islands; Manuel Garcia-Herrera, Social Security Agency Palma; Alfonso Rodriguez-Cotes, University of Balearic Islands; Raul Izquierdo, Social Security Agency Palma; Magdalena Truyols, General Hospital Palma; Dolores Collado, Social Security Agency Palma
4. THE EFFECT OF SPATIAL FREQUENCY FILTERING ON THE CORTICAL PROCESSING OF NEUTRAL AND EMOTIONAL IMAGES
Javier Campos; Ignacio Serrano; Tina Alorda, University of Balearic Islands; Vicente Sierra, Universidad Complutense; Pedro Montoya, University of Balearic Islands
5. P3 AMPLITUDE GROWTH CURVE ANALYSES: WHERE FAMILY HISTORY AND SUBSTANCE USE PROBLEMS CROSS THE LINE
Carrie Warty; Stephen M. Malone; William G. Iacono, University of Minnesota

6. BEHAVIORAL INHIBITION/ACTIVATION AND CARDIAC REACTIVITY ACROSS AND WITHIN AUTONOMICALLY DIVERSE TASKS
Israel C. Christie; Bruce H. Friedman; Kristina L. Blough; Michael L. Sweet; Chad L. Stephens, Virginia Tech
7. GENDER DIFFERENCES IN CARDIOVASCULAR RESPONSES TO LATERALIZED HAND COLD PRESSOR
Bruce H. Friedman; Leah M. Lozier; Elizabeth J. Vella, Virginia Tech
8. DISTURBED PAIN PERCEPTION AND EVOKED POTENTIALS IN DEPRESSED PATIENTS
Thomas Weiss; Dorothee Schmidt; Karl-Juergen Baer; Wolfgang H.R. Milner; Friedrich Schiller University Jena
9. DYNAMICS OF EARLY MEG ACTIVATION ELICITED BY SEMANTIC INCONGRUENCES IN THE LEFT TEMPORAL AND INFERIOR-FRONTAL CORTEX
Yury Shtyrov; Friedemann Pulvermuller, Medical Research Council
10. QUANTITATIVE EEG IN ALZHEIMER'S DISEASE: SPECTRAL AND COMPLEXITY CHANGES
Balazs Czigler, Hungarian Academy of Sciences; Zoltan Hidasi; Eva Csibri, Semmelweis University; Roland Csuha; Zsófia Anna Gaal, Institute of Psychology; Mark Molnar, Hungarian Academy of Sciences
11. CHANGES OF SPECTRAL AND COMPLEXITY CHARACTERISTICS OF THE EEG DURING MENTAL ARITHMETICS
Roland Csuha; Dora Csikos; Hamvai Csaba; Zsófia Anna Gaal; Balazs Czigler; Mark Molnar, Hungarian Academy of Sciences
12. NONLINEAR AND LINEAR SYNCHRONIZATION CHANGES OF DIFFERENT EEG FREQUENCY BANDS DURING THE CNV
Mark Molnar; Roland Csuha; Zsófia Gaal; Balazs Czigler; Istvan Kondakor, Hungarian Academy of Sciences
13. ACOUSTICAL EVOKED POTENTIALS IN HIGH ALEXITHYMIC SUBJECTS. HINTS TOWARDS A MODIFIED CORTICAL PROCESSING OF UNPLEASANT STIMULI?
Ralf Schaefer; Christine Schneider; Wolfgang Sitte; Matthias Franz, University of Duesseldorf
14. THE USE OF CORTICAL EVOKED POTENTIALS TO INVESTIGATE EMOTIONAL FACE PROCESSING IN LOW AND HIGH ALEXITHYMICS
Andreas Krombholz, University of Wuppertal; Ralf Schaefer, University of Duesseldorf; Florian Schaefer; Wolfram Boucsein, University of Wuppertal; Matthias Franz, University of Duesseldorf
15. MASSETER EMG RESPONSE PATTERNS OF SLEEP BRUXERS IN REST AS WELL AS IN COGNITIVE AND AFFECTIVE STRESS CONDITIONS
Christine J. Schneider; Ralf Schaefer; Michelle A. Ommerborn; Maria Giraki; Achim Goertz; Wolfgang H.-M. Raab; Matthias Franz, University of Duesseldorf
16. DEVELOPMENT OF THE ERN IN ADOLESCENTS AND YOUNG ADULTS: ASSOCIATIONS WITH ANTERIOR CINGULATE WHITE MATTER ORGANIZATION
Kristin Sullwold; Monica Luciana; Paul Collins, University of Minnesota - Twin Cities
17. DEVELOPMENT OF DECISION-MAKING IN ADOLESCENCE: ELECTRODERMAL AND CARDIAC PREDICTORS OF IOWA GAMBLING TASK PERFORMANCE
D. Wahlstrom; P.F. Collins; M. Luciana; E.E. Gilles, University of Minnesota
18. INVERTED LATERALITY OF N150 TO PHONOLOGICAL TASK IN APHASIC PATIENTS
Chiara Spironelli; Alessandro Angrilli, University of Padova
19. EMOTIONAL DEFICITS IN PATIENTS WITH FRONTAL CLOSED HEAD INJURY: A PSYCHOPHYSIOLOGICAL STUDY
Marta Bianchin, University of Padova; Giannettore Bertagnoni, Hospital of S. Bortolo; Alessandro Angrilli, University of Padova
20. ODDBALL VERSUS FREE-CONTEXT ERP PARADIGMS IN EVALUATIVE TASKS: COMMON FINDINGS AND PARADIGM-DEPENDENT EFFECTS
Armando Oliveira; Isabel Fonseca, Lisbon University; Marta Teixeira; Eduardo Santos, University of Coimbra; Fatima Simoes, University of Beira Interior
21. THE ROLE OF EFFORT IN REGULATING NEGATIVE FEELINGS
Heather L. Urry; Carien M. van Reekum; Lawrence L. Greischar; Tom Johnstone; Corrina J. Frye; Marchell E. Thurow; Richard J. Davidson, University of Wisconsin-Madison
22. COLOR FILLING-IN: A COMPARISON BETWEEN DICHROMATS AND TRICHROMAT
Marcia F. Couto; Valdir F. Pessoa, UnB
23. PERCEPTUAL COMPLETION IN TOXOPLASMOSIS CHORIORETINITIS
Denise P. Alvarenga; Marcia F. Couto; Valdir F. Pessoa, UnB
24. EMOTIONAL PROCESSING IN BLOOD PHOBICS: A MEG STUDY
Giulia Buodo, University of Padova; Peter Peyk, University of Konstanz; Markus Junghofer, University of Muenster; Daniela Palomba, University of Padova; Brigitte Rockstroh, University of Konstanz
25. PRE-MOTION POSITIVITY DURING SELF-INITIATED MOVEMENTS OF FINGER AND MOUTH
Marta Bortoletto; Michela Sarlo; Silvia Poli; Luciano Stegagno, University of Padova
26. 'BLOOD' IN THE CONTEXT OF FEAR AND DISGUST: CARDIOVASCULAR AND CORTICAL ACTIVATION
Michela Sarlo; Giulia Buodo; Silvia Poli; Daniela Palomba, University of Padova
27. CEREBRAL BLOOD FLOW IN ESSENTIAL HYPOTENSION DURING EMOTIONAL ACTIVATION
Luciano Stegagno; Denise Patrilli, University of Padova; Beate M. Herbert; Rainer Schandry, University of Munich
28. EFFECTS OF TOTAL SLEEP DEPRIVATION ON AUDITORY SENSORY MEMORY: A N100-MISMATCH NEGATIVITY STUDY
Giuliano De Min Tona; Marta Bortoletto; Simona Scozzari; Simone Sarasso; Luciano Stegagno, University of Padova
29. MUSCULAR AND ATTENTIONAL CONTRIBUTION TO BIMANUAL COORDINATION
Alexandre Murian; Thibault Deschamps, University of Nantes
30. CENTRAL VS PERIPHERAL DYNAMICS INTERACTIONS ON STABILITY COORDINATION: FIRST STEPS TO NEW MODELS
Alexandre Murian; Thibault Deschamps, University of Nantes

31. THE EFFECT OF PERSONALITY TRAITS ON THE STIMULUS-PRECEDING NEGATIVITY (SPN): AN ERP STUDY
Yoshimi Ohgami; Yasunori Kotani; Tetsuji Tsukamoto, Tokyo Metropolitan University; Yusuke Inoue, The University of Tokyo; Yasutsugu Aihara, Tokyo Metropolitan University; Minoru Nakayama, Tokyo Institute of Technology
32. THE EFFECT OF PERSONALITY TRAITS ON THE STIMULUS-PRECEDING NEGATIVITY (SPN): AN FMRI STUDY
Yasunori Kotani; Yoshimi Ohgami, Tokyo Institute of Technology; Tetsuji Tsukamoto, Tokyo Metropolitan University; Yusuke Inoue, The University of Tokyo; Minoru Nakayama, Tokyo Institute of Technology; Yasutsugu Aihara, Tokyo Metropolitan University
33. PERIPHERAL AND CENTRAL CORRELATES OF PTSD SYMPTOM REDUCTION INDUCED BY PSYCHOTHERAPY
S. Rabe; T. Zöllner, University of Technology Dresden; A. Maercker, University of Trier
34. BEHAVIORAL APPROACH AND BEHAVIORAL WITHDRAWAL DEPRESSION: EEG ASYMMETRIES, BORDERLINE PERSONALITY DISORDER, AND EXCESSIVE REASSURANCE SEEKING
John P. Kline, University of South Alabama
35. DEFENSIVENESS AND FRONTAL BRAIN ASYMMETRY: A COMPARISON OF THE EPQ-L AND THE MCSD
John P. Kline, University of South Alabama
36. PSYCHOPHYSIOLOGY OF POSITIVE EMOTIONS: FAMILIAR FACES
Cynthia Vico; Pedro Guerra; Lourdes Anllo-Vento; Jaime Vila, University of Granada
37. ELECTROPHYSIOLOGICAL ASSESSMENT OF MEMORY PERFORMANCE ON THE CVMT
K. Troy Harker; John F. Connolly, Dalhousie University
38. IMPAIRED EMOTIONAL FACIAL EXPRESSION RECOGNITION IN INDIVIDUALS WITH SUBSTANCE DEPENDENCE
Antonio Verdejo-Garcia; Maria Sanchez-Barrera; Miguel Angel Munoz; Maria Isabel Viedma; Miguel Perez-Garcia, Universidad de Granada; and Instituto de Neurociencias F. Oloriz
39. STARTLE INHIBITION BY SMOKING CUES
Susana Montanes; Rosario Poy; M. Pilar Tormo; Pilar Segarra; M. Carmen Pastor; Javier Molto, Jaume I University of Castellon
40. ERP REACTIVITY TO SMOKING CUES: ACTIVATING THE APPETITIVE SYSTEM
Javier Molto; M. Carmen Pastor; Rosario Poy; Susana Montañes; Pilar Segarra; M. Pilar Tormo, Jaume I University of Castellon; Margaret M. Bradley, University of Florida
41. THE MODERATING EFFECTS OF RACE AND EMOTION ON THE PERCEPTION OF FACE
Jennifer T. Kubota; Tiffany A. Ito, University of Colorado-Boulder
42. REAL-TIME FMRI BASED BRAIN-COMPUTER INTERFACE ENHANCED BY INTERACTIVE VIRTUAL WORLDS
Ranganatha Sitaram; Andrea Caria; Ralf Veit; Andrea Kubler; Tillman Geber; Niels Birbaumer, University of Tuebingen and University of Trento
43. DOES HOSTILITY INTERFERE WITH SOCIAL SUPPORT DURING STRESS?
Julianne Holt-Lunstad, Brigham Young University; Bert N. Uchino; Timothy W. Smith, University of Utah
44. THE IMPACT OF MARITAL STATUS AND QUALITY ON 24-HOUR AMBULATORY BLOOD PRESSURE
Julianne Holt-Lunstad, Brigham Young University; Brandon Q. Jones, George Washington University; Brian G. Mead; Laura Cummings; Wendy Birmingham; Adam Howard; Shayna Ernhofer; Britta Thunell, Brigham Young University
45. EFFECTS OF PERCEPTUAL LOAD ON AUDITORY SELECTIVE ATTENTION AS MEASURED BY EVENT-RELATED POTENTIALS
Jack Barnhardt; Martin Duff; Sophie Barrett; Walter Ritter; Hilary Gomes, City College, CUNY
46. NEURAL ACTIVATIONS AND RESPONSE OUTPUT PATTERNS IN SPIDER PHOBIA
Julia Wendt, University of Greifswald; Martin Lotze, University of Tuebingen; Almut I. Weike; Christian Zimmermann; Norbert Hosten; Alfons O. Hamm; University of Greifswald
47. ANTICIPATION OF AND REACTIVITY TO THREATENING STIMULI AND AROUSAL SYMPTOM PROVOCATION IN PERSONS AT HIGH RISK FOR DEVELOPING PANIC DISORDER
Christiane A. Melzig; Almut I. Weike; Alfons O. Hamm, University of Greifswald
48. CORTICAL PROCESSING OF EMOTIONAL PICTURES IN SPIDER PHOBIC STUDENTS
Jarek M. Michalowski; Christiane A. Melzig, University of Greifswald; Harald T. Schupp, University of Konstanz; Alfons O. Hamm, University of Greifswald
49. COMPARING STARTLE MODULATION OF AFFECTIVE PICTURES AND SOUNDS IN A CATEGORICALLY BLOCKED DESIGN
Katrin R. Scharpf; Alfons O. Hamm, University of Greifswald
50. THE INTERACTION OF EXPLICIT ATTENTION AND EMOTIONAL PERCEPTION
Florian Bublitzky; Jessica Stockburger, University of Konstanz; Almut I. Weike; Alfons O. Hamm, University of Greifswald; Harald T. Schupp, University of Konstanz
51. FOOD DEPRIVATION AND THE PROCESSING OF VISUAL FOOD CUE
Jessica Stockburger; Ralf Schmaelzle; Harald T. Schupp, University of Konstanz
52. DOES TASK-SET RECONFIGURATION DELAY PERCEPTUAL PROCESSING? INFERENCES FROM N170 AND LRP
Ian G. Mackenzie; Hartmut Leuthold, University of Glasgow
53. ON THE TIME COURSE OF FACIAL IDENTITY AND EXPRESSION PROCESSING: INTERFERENCES FROM LRP AND N200
E. Ulla Martens; Juergen Kaufmann; Hartmut Leuthold, University of Glasgow; Stefan R. Schweinberger, University of Jena
54. EFFECTS OF DISTRACTION ON SPEECH ANXIETY
Saea Iida; Naho Ichikawa; Hideki Ohira, Nagoya University
55. EFFECTS OF EMOTIONAL AROUSAL ON LIE DETECTION: AN ERP STUDY
Akemi Osugi; Hideki Ohira, Nagoya University
56. RESPONSE AND FEEDBACK RELATED NEGATIVITY (ERN) IN THE REINFORCEMENT LEARNING PROCESS
Naho Ichikawa; Hideki Ohira, Nagoya University

57. BRAIN-PERIPHERAL ASSOCIATION DURING STOCHASTIC LEARNING: A PET STUDY
Hideki Ohira; Naho Ichikawa; Tokiko Isowa, Nagoya University; Michio Nomura, Tokai Women's University; Kenta Kimura; Kanayama Norihiro, Nagoya University; Fukuyama Seisuke; Jun Shinoda; Yamada Jitsuhiro, Kizawa Memorial Hospital, Chubu Ryogo Center
58. LATENCY OF THE CONDITIONED FEAR REACTION IN HUMANS
Ole Åsli; Eirik I. Nordmark; Silje Wangberg; Magne A. Flaten, University of Tromsø
59. COGNITIVE AND EMOTIONAL FACTORS IN PLACEBO ANALGESIA
Magne Arve Flaten; Per-Matti Aslaksen, University of Tromsø; Terje Simonsen, University Hospital of North Norway; Arnstein Finset, University of Oslo; Oddmund Johansen, University Hospital of North Norway
60. BRAIN CIRCUITS FOR AROUSAL: AN ANIMAL MODEL
Fernando Torrealba; Jose Luis Valdes; Monica Recabarren; Maria P. Seron-Ferre, Univ Catolica de Chile
61. ELECTROPHYSIOLOGICAL CORRELATES OF SUSTAINED ATTENTION TO GLOBAL AND LOCAL FEATURES IN GOOD AND POOR READERS
Allison Matthews; Frances Martin, University of Tasmania
62. SPEECH VERSUS NON-SPEECH AS IRRELEVANT SOUND
F. Martin; J. Little, University of Tasmania
63. ELECTROPHYSIOLOGICAL RESPONSES TO TASK-IRRELEVANT AFFECTIVE PICTURES ARE MODULATED BY THE PROCESSING LOAD OF THE PRIMARY TASK
Sonia Doallo; Socorro Rodriguez Holguin; Fernando Cadaveira, University of Santiago de Compostela
64. ELECTROPHYSIOLOGICAL EVIDENCE OF THE EFFECTS OF NORMAL AGING ON SIMPLE FEATURE PROCESSING DURING VISUAL SEARCH
Laura Lorenzo-Lopez; Elena Amenedo; Fernando Cadaveira, University of Santiago de Compostela
65. EMOTIONAL PICTURES AT UNATTENDED LOCATIONS AFFECT SENSORY PROCESSING OF SUBSEQUENT STIMULI: THE ROLE OF ATTENTIONAL LOAD
Socorro Rodriguez Holguin; Sonia Doallo; Fernando Cadaveira, University of Santiago de Compostela
66. ASSESSING VALENCE AND AROUSAL INTEGRATION BY LATE POSITIVE ERP COMPONENTS
Isabel Fonseca, Faculty of Psychology and ES, University of Lisbon; Armando Oliveira, Faculty of Psychology and ES, University of Coimbra; Marta Teixeira, Faculty of Psychology and ES, University of Coimbra
67. INTERACTION OF EMOTION CATEGORIES AND INTENSITY ON HEMISPHERIC PROCESSING
Telmo Pereira, Superior Health School; Armando Oliveira, University of Coimbra; Isabel Fonseca, University of Lisbon
68. CORTISOL LEVELS AND THE COURSE OF DISRUPTIVE BEHAVIORS IN PRE-ADOLESCENTS FROM A GENERAL POPULATION SAMPLE
Frouke E.P.L. Sondejker; Robert F. Ferdinand, Erasmus Medical Center/Sophia Children's Hospital; Tineke J. Oldehinkel, University of Groningen; Henning Tiemeier, Erasmus Medical Center; Rene Veenstra; Hans Ormel, University of Groningen; Frank C. Verhulst, Erasmus Medical Center/Sophia Children's Hospital
69. PHYSIOLOGICAL RESPONSES TO POSITIVE EMOTIONAL STIMULI DISCRIMINATE BEST BETWEEN SCHIZOPHRENIA PATIENTS AND HEALTHY CONTROLS
Roelie Hempel; Joke Tulen; Nico van Beveren; Hugo van Steenis; Paul Mulder; Michiel Hengeveld, Erasmus Medical Center Rotterdam
70. DAYTIME CORTISOL CONCENTRATIONS IN CHILDREN AND ADOLESCENTS WITH AN ANXIETY DISORDER
Victor Kallen; Joke Tulen; Lisbeth Utens, Erasmus MC Rotterdam; Philipp Treffers, Academic Hospital Leiden; Frank De Jong; Robert Ferdinand, Erasmus MC Rotterdam
71. DIFFERENT RELATIONSHIPS BETWEEN SUBJECTIVE RATINGS AND CARDIOVASCULAR RESPONSES TO EMOTIONAL PICTURES IN SCHIZOPHRENIC PATIENTS AND CONTROLS
Roelie Hempel; Joke Tulen; Nico Van Beveren; Hugo Van Steenis; Paul Mulder; Michiel Hengeveld, Erasmus Medical Center Rotterdam
72. DIFFERENTIATING ADHD FROM TOURETTE'S DISORDER BY MEANS OF PSYCHOPHYSIOLOGICAL PARAMETERS
Thomas Niers; Joke Tulen; Rinus Vegt; Wim Groeneveld; Michiel Hengeveld, Erasmus Medical Centre Rotterdam
73. INVESTIGATING RESTING FRONTAL EEG ASYMMETRY AS A BIOLOGICAL MARKER FOR ANXIETY AND DEPRESSION
Dirk J.A. Smit; Danielle Posthuma; Dorret I. Boomsma; Eco J.C. de Geus, Vrije Universiteit Amsterdam
74. A MULTI-LEVEL MODEL OF PERSUASION: THE IMPLICATIONS OF CHALLENGE AND THREAT
Tamera R. Schneider, Wright State University; Susan E. Rivers, Yale University; Joseph B. Lyons; Nicole Katulak, Wright State University
75. PSYCHOPHYSIOLOGICAL CORRELATES OF RESIDUAL TASK SWITCHING COSTS
Jessica Saenger, Max Planck Institute for Human Cognitive and Brain Sciences, Munich; Edmund Wascher, Leibniz Research Centre for Working Environment and Human Factors
76. AFFECTIVE PICTURES AND BODY SWAY
Tatiana M. Azevedo; Livia D. Facchinetti; Luiz A. Imbiribi; Jose M. Oliveira; Claudia D. Vargas; Eliane Volchan, Federal University of Rio de Janeiro
77. EMOTIONAL REACTIONS MEASURED IN THE SALIVA
Ana C.F. Mendonca-de-Souza; Gabriela G.L. Souza; Andre Vieira; Eduardo M. Barros; Vivian Rujmanek; Eliane Volchan, Federal University of Rio de Janeiro
78. AN FMRI STUDY OF BRAIN AREAS ACTIVATED BY MUTILATION PICTURES
Mirtes G. Pereira, Federal Fluminense University; Eliane Volchan; Fatima CS Erthal; Mateus Joffily, Federal University of Rio de Janeiro; Leticia Oliveira, Federal Fluminense University; Luiz Pessoa, Brown University
79. ALCOHOL EXPECTANCIES AND STARTLE REACTIVITY TO ALCOHOL AND AFFECTIVE CUES
David J. Drobes; Ashlee C. Carter; Mark S. Goldman, University of South Florida
80. ANGER AND EEG ASYMMETRY IN ANTICIPATION OF AN INTERRACIAL INTERACTION
Leah R. Zimmer; Amanda B. Brodish; Patricia G. Devine, University of Wisconsin, Madison; Eddie Harmon-Jones, Texas A&M University

81. EEG ASYMMETRY IN ANTICIPATION OF INTERRACIAL INTERACTIONS

A. Brodsh; L. Zinner; P. Devine, University of Wisconsin, Madison; E. Harmon-Jones, Texas A&M

82. HERITABILITY OF CARDIAC CONTRACTILITY

Nina Kupper; Gonneke Willemsen; Dorret I. Boomsma; Eco J.C. de Geus, Vrije Universiteit Amsterdam

Poster Session 3 ♦ Friday, September 23, 2005

1:00 p.m.-2:30 p.m., Author Present Piso 1 Foyer
FIL Meeting Centre

1. AN fMRI STUDY OF WORKING MEMORY FOR LETTERS AND TEXTURE PATTERNS - MATERIAL-DEPENDENT ACTIVATION IN THE PFC

Marek Binder; Andrzej Urbanik; Barbara Sobiecka; Justyna Kozub; Michal Kuniecki, Jagiellonian University

2. INCREASED SIMULTANEITY RATING OF HEART BEAT AND BILATERAL ACOUSTIC SIGNALS

Andre Schulz; Lisa Nottebaum; Hartmut Schaechinger, University of Trier

3. N400 DOES NOT ONLY REFLECT SEMANTIC/PHONETIC CONTEXTUAL INFORMATION

Ana M.N. Ruiz; Sabine Pompéia; Gilberto M. Manzano, University Federal of São Paulo; André F. Kohn, University Estadual of São Paulo; Orlando F.A. Bueno, University Federal of São Paulo

4. AUTONOMIC CORRELATES OF ATTACHMENT ORGANIZATIONS AND EXPERIENCES: PRELIMINARY DATA

John M. Klein, University of Minho; Pedro Dias, Catholic University of Portugal; Isabel Soares; Paulo P.P. Machado, University of Minho; João P. Cunha, University of Aveiro; Carolina Silva, University of Porto; Carlos Fernandes, University of Aveiro

5. EMOTION REGULATION: PHYSIOLOGICAL AND COGNITIVE COSTS USING A WITHIN-SUBJECTS DESIGN

Jennifer L. Robinson; Heath A. Demaree, Case Western Reserve University

6. HIGH RESTING RSA PREDICTS LESS FACIAL EXPRESSION TO NEGATIVE STIMULI AMONG HEALTHY ADULTS

Heath A. Demaree; Jie Pu; Jennifer L. Robinson, Case Western Reserve University; Brandon J. Schmeichel, Texas A&M University; D. Erik Everhart, East Carolina University

7. STRATEGIES ACTUALLY EMPLOYED DURING RESPONSE-FOCUSED EMOTION REGULATION RESEARCH: AFFECTIVE AND PHYSIOLOGICAL CONSEQUENCES

Heath A. Demaree; Jennifer L. Robinson; Jie Pu, Case Western Reserve University; John J.B. Allen, University of Arizona

8. RELATIONSHIPS BETWEEN MUSICAL STRUCTURE AND PSYCHOPHYSIOLOGICAL MEASURES OF EMOTION

Patrick Gomez; Brigitta Danuser, Institut Universitaire Romand de Santé au Travail Lausanne

9. PHYSIOLOGICAL MEASURES AS INDICES OF MOODS DURING HUMAN-COMPUTER INTERACTIONS

Patrick Gomez, Institut Universitaire Romand de Santé au Travail Lausanne; Philippe Zimmermann; Sissel Guttormsen, Institute of Hygiene and Applied Physiology Zurich; Brigitta Danuser, Institut Universitaire Romand de Santé au Travail Lausanne

10. SYMPATHETIC AND VAGAL ACTIVITY IN BURNOUT SYNDROME

Ydwine J. Zanstra, University of Aberdeen; Jan M.H. Schellekens; Cas Schaap, University of Groningen; Libbe Kooistra, University of Calgary

11. VALIDATION OF AN INTERACTIVE AMBULATORY HEART RATE MONITOR

Julia L. Hay; Derek J. Johnston, University of Aberdeen

12. CARDIOVASCULAR ACTIVITY ASSOCIATED WITH ACUTE MENTAL STRESS EXPOSURE AND ANTIBODY STATUS FOLLOWING INFLUENZA AND MENINGOCOCCAL A+C VACCINATIONS

Anna C. Phillips; Douglas Carroll; Victoria E. Burns; Mark Drayson, University of Birmingham

13. OCULAR AND ELECTRODERMAL RESPONSES TO PICTURES AND PROBES

Laura Miccoli; Margaret M. Bradley; Peter J. Lang, University of Florida

14. DEFENSIVE REACTIONS TO NATURAL HUMAN SCREAMS AND AVERSIVE WHITE NOISE

Pedro M. Guerra, University of Florida and University of Granada; Margaret M. Bradley; Ilse Van Diest, University of Florida; Jaime Vila, University of Granada; Peter J. Lang, University of Florida

15. ANXIETY SPECTRUM DISORDERS: DISCRETE DIAGNOSES OR CONTINUUM OF SEVERITY?

Lisa M. McTeague; Marie-Claude Laplante; Greg Perlman; Cyd C. Strauss; Bruce N. Cuthbert; Margaret M. Bradley; Peter J. Lang, University of Florida

16. PARAFOVEAL PICTURE PRESENTATION: EMOTION AND ATTENTION

Greg Perlman; Andreas Loew, University of Florida; Andreas Keil, University of Konstanz; Manuel G. Calvo, University of La Laguna; Margaret M. Bradley; Peter J. Lang, University of Florida

17. PSYCHOPHYSIOLOGY OF SOCIAL PHOBIA: FEAR & DEPRESSION

Lisa M. McTeague; Marie-Claude Laplante; Greg Perlman; Cyd C. Strauss; Bruce N. Cuthbert; Margaret M. Bradley; Peter J. Lang, University of Florida

18. REMEMBERING RAPIDLY PRESENTED PICTURES: CONCEPTUAL AND EMOTIONAL FEATURES

Francesco Versace; Margaret M. Bradley, University of Florida; Andreas Keil, University of Konstanz; Vincent D. Costa; Laura Miccoli; Peter J. Lang, University of Florida

19. SINGLE TRIAL ANALYSIS OF STEADY-STATE VISUAL EVOKED POTENTIALS: EFFECTS OF EMOTIONAL AROUSAL

J. Carson Smith, University of Florida; Andreas Keil, University of Konstanz; Bethany C. Wangelin; Dean Sabatinelli; Peter J. Lang, University of Florida

20. WHAT POPS OUT DURING RAPID PICTURE PRESENTATION?

Andreas Loew; Peter J. Lang; Margaret M. Bradley, University of Florida

21. GASP! YOU STARTLED ME! RESPIRATORY PATTERNS TO STARTLING PROBES
Ilse Van Diest, University of Florida and University of Leuven; Greg Perlman; Margaret M. Bradley; Marie-Claude Laplante; Peter J. Lang, University of Florida
22. TRACE CONDITIONING IN MINIMALLY CONSCIOUS STATE BUT NOT IN VEGETATIVE STATE
Tristan A. Bekinschtein; Cecilia Forcato; Facundo F. Manes, FLENI
23. IMPLICIT AND EXPLICIT CATEGORIZATION OF NATURAL SCENES
Cardinale Rossella; Ferrari Vera; DeCesarei Andrea; Biondi Simone; Codispoti Maurizio, University of Bologna
24. WHEN SIZE DOES NOT MATTER? EFFECTS OF STIMULUS SIZE ON AFFECTIVE MODULATION
De Cesarei Andrea; Biondi Simone; Codispoti Maurizio, University of Bologna
25. WHAT IS THE FATE OF UNATTENDED EMOTIONAL STIMULI? CORTICAL AND BEHAVIOURAL CORRELATES OF AFFECTIVE HABITUATION
Biondi Simone; De Cesarei Andrea; Cardinale Rossella; Codispoti Maurizio, University of Bologna
26. NOT JUST THE SAME OLD THING: CORTICAL AND AUTONOMIC MEASURES OF AFFECTIVE HABITUATION
Vera Ferrari; Maurizio Codispoti, University of Bologna; Margaret M. Bradley, University of Florida
27. WHAT HAPPENS TO HEART RATE DURING THE VIEWING OF LONG LASTING PLEASANT STIMULI?
Paola Surcinelli; Maurizio Codispoti, University of Bologna
28. STARTLE HEART RATE IN SUBJECTS DISPOSED TO PRIMARY HYPERTENSION
Steffen Richter, Free University Berlin and University Trier; Cora S. Weber, Free University Berlin; Hartmut Schaechinger, University Trier; Hans-Christian Deter, Free University Berlin
29. THE ROLE OF CONTEXT IN THE PROCESSING OF ALCOHOL-RELEVANT CUES
Frauke Nees, University of Trier and Central Institute of Mental Health Mannheim; Carsten Diener; Tina Stonner; Michael Smolka; Herta Flor, Central Institute of Mental Health Mannheim
30. THE RELATIONSHIP BETWEEN CORTICAL ACTIVITY AND SUBJECTIVE EMOTIONAL EXPERIENCE
Melanie Hahn, University of Trier; Johannes Hewig, University of Jena; Jan Seifert; Dirk Hagemann, University of Trier
31. CENTRAL ALPHA2-ADRENERGIC EFFECTS ON SELECTIVE ATTENTION
Christine Philippsen; Melanie Hahn; Hartmut Schaechinger, University of Trier
32. REWARD DEPENDENCE AS A PSYCHOLOGICAL MARKER FOR TONIC CENTRAL DOPAMINERGIC ACTIVIT
Sonja Roemer; Ewald Nauman; Dirk Hagemann, University of Trier
33. IMPACT OF DEHYDRATION ON CARDIOVASCULAR STRESS REACTIVITY
Lars Schwabe, University of Trier; Gabor Szinnai; Ulrich Keller, University of Basel; Hartmut Schachinger, University of Trier
34. DIMINISHED BAROREFLEX HEART RATE CONTROL DURING MENTAL STRESS BY ALPHA2-ADRENERGIC AGONISM
Hartmut Schachinger; Christine Philippsen, University of Trier
35. P300 LATENCY: A MARKER OF SUBJECTIVE RESPONSE TO AMPHETAMINE
Frances H. Gabbay; Connie C. Duncan, Uniformed Services University and National Institute of Mental Health
36. CONTEXT UPDATING AND TASK-SWITCHING: AN INQUIRY INTO THE FUNCTIONAL VALUE OF THE NOVELTY P3 POTENTIAL
Jose A. Perianez, Universitat de les Illes Balears; Erika Nyhus, University of Colorado; Francisco Barcelo, Universitat de les Illes Balears
37. MODULATIONS OF THE ENDOGENOUS P3 POTENTIAL DURING TASK SET SWITCHING AND UPDATING
Francisco Barcelo; Jose A. Perianez, Universitat de les Illes Balears; M. Jose Corral; Carles Escera, University of Barcelona
38. AFFECTIVE MODULATION OF THE STARTLE BLINK REFLEX IN PRODROMAL, FIRST-EPISEDE, AND CHRONIC SCHIZOPHRENIA POPULATIONS
K. Ian Mathis; Cindy M. Yee; Terrance J. Williams; Peter Bachman; Keith H. Nuechterlein; Tyrone D. Cannon; Michael Green; Kenneth Subotnik, University of California at Los Angeles; Peter J. Lang, University of Florida
39. FUNCTIONAL DYSPHONIA DURING MENTAL IMAGERY: EXPLORING THE SOURCES OF ANXIETY
Miriam R. van Mersbergen; Christopher J. Patrick; Edward M. Bernat; Stephen D. Benning, University of Minnesota
40. EVENT-RELATED OSCILLATIONS ASSOCIATED WITH PREPULSE INHIBITION OF THE STARTLE REFLEX (PPI)
Karina K. Kedzior; Michael Koch; Canan Basar-Eroglu, University of Bremen
41. THE RELATION OF EEG POWER AND PHASE COURSES DURING SUSTAINED ATTENTION IN SCHIZOPHRENIA
Edwin Hoff, University of Bremen; Joerg Zimmermann, Ev. Hospital Bethanien; Andreas Brand, General Hospital Bremen-East; Canan Basar-Eroglu, University of Bremen
42. VOLUNTARY CONTROL OF NECKER CUBE REVERSALS MODULATES THE AMPLITUDE OF SLOW POSITIVE WAVE
Birgit Mathes; Daniel Strüber; Canan Basar-Eroglu, University of Bremen
43. IS HIGH-FREQUENCY PHASE-LOCKING A MARKER FOR AMBIGUOUS PATTERN REVERSAL
Edwin Hoff; Ina Klein, University of Bremen; Daniel Strueber, Hanse Institute for Advanced Study; Michael A. Stadler; Canan Basar-Eroglu, University of Bremen
44. EVENT-RELATED OSCILLATIONS RELATED TO RESPONSE MONITORING AND RESPONSE INHIBITION IN PARKINSON'S DISEASE PATIENTS AND HEALTHY CONTROL
Christina Schmiedt; Anette Meistrowitz, University of Bremen; Guenter Schwendemann, General Hospital Bremen-East; Manfred Herrmann; Canan Basar-Eroglu, University of Bremen
45. MULTISTABLE PERCEPTION IN TEN-YEAR OLD CHILDREN
Jan Ehlers, University of Bremen; Daniel Strueber, Hanse Institute for Advanced Study; Michael Stadler; Canan Basar-Eroglu, University of Bremen
46. SUSTAINED ATTENTION- AND MULTISTABLE PERCEPTION-RELATED BRAIN-OSCILLATIONS IN PATIENTS WITH SCHIZOPHRENIA
Canan Basar-Eroglu; Andreas Brand; Edwin Hoff; Christina Schmiedt; Daniel Strueber, University of Bremen; Jörg Zimmermann, Ev. Hospital Greifswald

47. EVENT-RELATED OSCILLATIONS ELICITED DURING A VISUAL ODDBALL TASKS IN PATIENTS WITH PARKINSON'S DISEASE AND AGE-MATCHED HEALTHY CONTROLS
Canan Basar-Eroglu, University of Bremen; Guenter Schwendemann, General Hospital Bremen-East; Manfred Herrmann; Christina Schmiedt, University of Bremen
48. NONTARGETS HETEROGENEITY IN VISUAL SEARCH: AN ERP STUDY
Carmen Vizoso; Socorro Rodriguez Holguin; Fernando Cadaveira, University of Santiago de Compostela
49. TEMPORAL DYNAMICS OF EMOTIONAL AND ATTENTIONAL PROCESSING IN AN AFFECT REGULATION TASK
Dongju Seo; Edward E. Bernat; Meredith Cadwallader; Christopher J. Patrick, University of Minnesota
50. PREPULSE ELICITATION AND INHIBITION OF ACOUSTIC STARTLE BLINK RESPONDING ARE DECREASED BY BACKGROUND NOISE
Terry D. Blumenthal; Joseph V. Noto; Melissa A. Fox; Joseph C. Franklin, Wake Forest University
51. SALIVARY LEVEL OF CORTISOL AS AN INDICATOR OF PSYCHOSOCIAL ADJUSTMENT TO NEUROLOGICAL DISEASES LEADING TO MOTOR PARALYSIS
T. Matuz; N. Birbaumer; A. Kuebler, University of Tuebingen
52. A BRAIN-COMPUTER INTERFACE (BCI) BASED ON MAGNETO-ENCEPHALOGRAPHY (MEG)
Juergen Mellinger, University of Tuebingen; Gerwin Schalk, New York State Department of Health; Christoph Braun, University of Tuebingen; Hubert Preissl, University of Tuebingen and University of Arkansas for Medical Sciences; Niels Birbaumer, University of Tuebingen and University of Trento; Andrea Kuebler, University of Tuebingen
53. SUBJECTIVE HUNGER FEELING MODULATES CORTICAL BRAIN ACTIVITY: A FMRI STUDY
Katarina Porubska; Ralf Veit; Hubert Preissl, University of Tuebingen; Otto Tschritter; Hans-Ulrich Haering; Andreas Fritsche, University Hospital Tuebingen; Niels Birbaumer, University of Tuebingen
54. SLEEP AND RAPID EYE MOVEMENT ACTIVITY IN AMYOTROPHIC LATERAL SCLEROSIS (ALS)
Ursula Mochty, University of Tuebingen; Allan Hobson, Harvard Medical School; Niels Birbaumer; Andrea Kuebler, University of Tuebingen
55. COMMUNICATION IN LOCKED-IN SYNDROME: EFFECTS OF IMAGERY ON SALIVARY PH
M. Jordan; B. Wilhelm; A. Kuebler; N. Birbaumer, University of Tuebingen
56. THE PROFESSIONAL SINGER: BRAIN ACTIVITY DURING EXECUTED AND IMAGINED SINGING
Boris Kleber, University of Tuebingen; Niels Birbaumer, University of Tuebingen and University of Trento; Martin Lotze, University of Tuebingen
57. INCREASED EARLY SENSORY PROCESSING OF EMOTIONAL STIMULI IN PERSONS WITH GOOD CARDIAC PERCEPTION: AN ERP STUDY
Beate M. Herbert; Rainer Schandry, Ludwig-Maximilian-University
58. INTRAPAIR DIFFERENCES IN HIPPOCAMPAL VOLUME IN MONOZYGOTIC TWINS DISCORDANT FOR THE RISK FOR ANXIETY AND DEPRESSION
Eco J.C. De Geus; Saskia P.A. Wolfensberger; Dennis van't Ent; Kim Baas; Marcel D. Janssen; Martine Van Belzen; Florencia Gosso; Witte J.G. Hoogendijk; Dorret I. Boomsma; Dick Veltman, Vrije Universiteit Amsterdam
59. THE RELATIONSHIP BETWEEN SUBJECTIVE RATINGS AND THE HEMODYNAMIC RESPONSES DURING THE PRESENTATION OF FEAR-AND DISGUST-INDUCING PICTURES
Rudolf Stark; Mark Zimmermann, University of Giessen; Anne Schienle, University of Trier; Bertram Walter; Irene Irlmeier; Julia Gieb; Dieter Vaitl, University of Giessen
60. MULTISENSORY OBJECT-BINDING - UTILIZING THE VENTRILOQUISM EFFECT
Matthias Bischoff; Gebhard Sammer; Carlo R. Blecker; Bertram Walter; Dieter Vaitl, Bender Institute of Neuroimaging
61. BRAIN ACTIVATION AND ELECTRODERMAL RESPONSES DURING FEAR CONDITIONING WITH AND WITHOUT AWARENESS OF STIMULUS CONTINGENCIES
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62. TIME COURSE AND MECHANISMS OF HAEMOCONCENTRATION IN RESPONSE TO MENTAL STRESS
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63. FMRI MEASUREMENT OF BRAIN ACTIVITY DURING SWEATING AND MENOPAUSAL HOT FLASHES
Robert R. Freedman; Francis X. Graydon; Mark Benton; Richard J. Genik, Wayne State University
64. TEST RETEST RELIABILITY OF AUTONOMIC NERVOUS SYSTEM FUNCTIONING IN A LONGITUDINAL DEVELOPMENTAL STUDY
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65. THE ROLE OF FAST THETA OSCILLATIONS DURING LEARNING
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66. SUPER-SYNERGY AND SUPERBINDING IN INTEGRATIVE BRAIN FUNCTIONS. A LARGE- SCALE MODEL
E. Basar, Dokuz Eylul University
67. WHAT DOES THE BRAIN TELL TO THE PICTURE OF THE OWN GRANDMOTHER?
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68. THE EFFECT OF A BRIEF NAP ON THE ERROR-RELATED NEGATIVITY
Shoichi Asaoka; Hiroaki Masaki, Waseda University; Timothy Murphy, Brock University; Kazuhiko Fukuda, Fukushima University; Katuo Yamazaki, Waseda University
69. PUNISHMENT AND PERSONALITY CORRELATES OF THE ERROR-RELATED NEGATIVITY
Hiroaki Masaki; Shigeki Takeuchi; Yosuke Nakayama, Waseda University; Noriyoshi Takasawa, Edogawa University; Katuo Yamazaki, Waseda University

70. EEG GAMMA RESPONSES IN THE AUDITORY MODALITY: INVESTIGATING STIMULUS, TOPOGRAPHICAL AND DEVELOPMENTAL EFFECTS
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72. P300 LATENCY IS DANGEROUSLY LENGTHENED FOR DUAL-TASK WHEN SLEEPY
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73. PROCESSING FRENCH VISUAL PHRASE STRUCTURE VIOLATIONS: AN ERP STUDY ON THE ELA
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74. AGE-RELATED CHANGE IN ERPs ASSOCIATED WITH CONTEXT-BASED VS RESPONSE-BASED INTERFERENCE
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75. ERPs TO ERROR-RELATED FEEDBACK DURING A SPATIAL MEMORY TASK IN OLDER AND YOUNGER ADULTS
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76. SENSATION SEEKING AND REWARD SENSITIVITY ARE RELATED TO POOR PERFORMANCE MONITORING (ERN) AND DECISION-MAKING (IGT)
Diane L. Santesso; Sidney J. Segalowitz; Danielle I. Dyke, Brock University
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78. MECHANISMS OF VIRTUAL REALITY EXPOSURE THERAPY: THE ROLE OF THE BEHAVIORAL ACTIVATION AND BEHAVIORAL INHIBITION SYSTEMS
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79. AUTONOMIC, BEHAVIORAL AND EVALUATIVE RESPONSES DURING AVERSIVE CONDITIONING IN PANIC DISORDER: RESISTANCE TO EXTINCTION OF NEGATIVE EVALUATIONS
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80. THE 'WHITE COAT EFFECT' REEXAMINED: PICTURES OF PHYSICIANS ENHANCE ACOUSTIC STARTLE EYE BLINKS
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81. THE INFLUENCE OF FOOD DEPRIVATION ON ACOUSTIC STARTLE RESPONSES IN HUMANS
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82. HEART RATE VARIABILITY DURING SLEEP IN APNEIC AND NON-APNEIC ADULTS
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83. VERBAL AND NONVERBAL WORKING MEMORY TASKS ELICIT DIFFERENT MODES OF CARDIAC CONTROL
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