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**Poster Session III: Saturday, October 9**

1. **Tursky Award Winner**
2. **Nb latency of the AEP as an indicator of awareness during anaesthesia**  
Hannie van Hooff<sup>1</sup>, Emma Loveman<sup>1</sup>, & David Smith<sup>2</sup>  
*<sup>1</sup>Southampton Institute, <sup>2</sup>Southampton General Hospital*
3. **Comparison of N1 refractoriness across long interstimulus intervals between monkey and rat models**  
C.M. Specht<sup>1</sup>, M. Jayachandra<sup>1</sup>, D.W. Shucard<sup>2</sup>, C.E. Schroeder<sup>1</sup>, & D.C. Javitt<sup>1</sup>  
*<sup>1</sup>Nathan Kline Institute for Psychiatric Research, <sup>2</sup>State University of New York at Buffalo*
4. **Auditory transient and sustained responses as a function of interstimulus interval**  
Hannu Tiitinen<sup>1</sup> & Patrick May<sup>2</sup>  
*<sup>1</sup>University of Helsinki, <sup>2</sup>King's College London*
5. **Neuromagnetic study of spontaneous and voluntary eyeblinks**  
Hiroshi Asada<sup>1</sup> & Fumio Yamada<sup>2</sup>  
*<sup>1</sup>Osaka Prefecture University, <sup>2</sup>Osaka Prefectural College of Nursing*
6. **The amplitude of auditory N1 is reduced in Alzheimer's patients relative to matched controls**  
Helen Gaeta, David Friedman, Walter Ritter, & Jeff Cheng  
*New York Psychiatric Institute*
7. **Auditory evoked potentials in blind humans suggest functional reorganization in occipital cortex**  
Franco Lepore, Charles Leclerc, Dave Saint-Amour, Marc Lavoie, & Maryse Lassonde  
*Université de Montreal*
8. **Visual ERPs in children: Three years follow-up**  
Socorro Rodriguez Holguin, Montserrat Corral, & Fernando Cadaveira  
*Universidade de Santiago de Compostela*

9. **ERP to stimuli simulating vision of an aged person**  
Akihiro Yagi, Koji Kazai, & Yuka Abe  
*Kwansei Gakuin University*
10. **The rivalry related potential does not originate in striate cortex**  
Fernando Valle-Inclan<sup>1</sup>, Steven A. Hackley<sup>2</sup>,  
Carmen Labra<sup>1</sup>, & Antonio Alvarez<sup>3</sup>  
<sup>1</sup>*University of La Coruna*, <sup>2</sup>*University of Missouri-Columbia*, <sup>3</sup>*University of Santiago*
11. **Response time distribution and ERP associated to perceptual reversion of ambiguous figures**  
Carlos M. Gomez, M. Vazquez, E. Vaquero,  
D. Lopez-Mendoza, & M.J. Cardoso  
*University of Sevilla*
12. **Target gamma response in visual ERPs**  
Christoph S. Herrmann & Axel Mecklinger  
*Max-Planck Institute of Cognitive Neuroscience*
13. **Processing of affective pictures in mild head injury and frontal brain injury, indicated by cardiac responses and event-related potentials**  
Anne-Kristin Solbakk<sup>1</sup>, Ivar Reinvang<sup>1</sup>,  
Sven Svebak<sup>2</sup>, & Christopher Nielsen<sup>1</sup>  
<sup>1</sup>*University of Oslo*, <sup>2</sup>*The Norwegian University of Science and Technology*
14. **What it takes to see a face: Studies in schematic faces processing**  
Shlomo Bentin & Noam Sagiv  
*Hebrew University*
15. **Recognizing faces, occupations and names: ERPs reflect intra and cross-domain information processing**  
Ela I. Olivares<sup>1</sup>, Socorro Rodriguez-Holguín<sup>2</sup>, & Jaime Iglesias<sup>1</sup>  
<sup>1</sup>*Universidad Autónoma de Madrid*,  
<sup>2</sup>*Universidad de Santiago de Compostela*
16. **The locus of the interference effect and the error-related processing in a stimulus-response compatibility task**  
Hiroaki Masaki<sup>1</sup>, Noriyoshi Takasawa<sup>2</sup>,  
& Katuo Yamazaki<sup>3</sup>  
<sup>1</sup>*Research Fellow of the Japan Society for the Promotion of Science*, <sup>2</sup>*National Research Institute of Police Science*, <sup>3</sup>*Waseda University*

17. **Sixty-four channel recordings of the presaccadic negativity (PSN) under different conditions of response preparation**  
Ch. Klein, P. Berg, & E. Hafstad  
*University of Freiburg*
18. **Event-related brain potentials during the execution of visually-guided and antisaccades: Effects of different task instructions**  
Ch. Klein, P. Berg, E. Hafstad, & Th. Heinks  
*University of Freiburg*
19. **Four-weeks retest-reliability of the presaccadic negativity (PSN) and saccadic reaction times under varying task conditions**  
Ch. Klein, Ch. Franz, & P. Berg  
*University of Freiburg*
20. **Correcting blink and saccade artifact from EEG using common correction coefficients**  
Rodney J. Croft<sup>1</sup> & Robert J. Barry<sup>2</sup>  
<sup>1</sup>*Imperial College of Science, Technology and Medicine,* <sup>2</sup>*University of Wollongong*
21. **Employing ERPs to determine the integrity of chronic ecstasy users' serotonergic system**  
Rodney J. Croft, Amalan Mahalingam, Torsten Baldeweg, Anthony Klugman, & John H. Gruzelier  
*Imperial College of Science, Technology and Medicine*
22. **Functional examination of the symmetrical organization of the homunculus in healthy subjects**  
Pedro Montoya, Xavier Revert, Silvia Martinez-Sogorb, Magdalena Medinas, & Catalina Alorda  
*University of the Balearic Islands*
23. **Somatosensory homunculus mapping on the basis of the multiple-frequency steady-state response**  
Eugen Diesch  
*Tübingen University*
24. **EEG correlates of finger movements with different inertial load conditions**  
S. Slobounov, R. Tutwiler, M. Rearick, & J. Challis  
*The Pennsylvania State University*

25. **The influence of time pressure on cued finger movements: An event-related lateralization study**  
Rob van der Lubbe, Piotr Jaskowski, & Rolf Verleger  
*Medizinische Universitaet zu Luebeck*
26. **EEG-correlates of directed arm movements**  
Edmund Wascher  
*University of Tübingen*
27. **Effects of response competition, task difficulty, and memory demands on movement-related cortical potentials in choice reaction time tasks**  
Vilfredo De Pascalis, Carlo Gallo, Maria R. Magurano, & Paolo Russo  
*University of Rome "La Sapienza"*
28. **Movement-related potentials in children and adults during a spatial stimulus-response compatibility (SRC) task**  
Ge Yong-liang, Robaey Philippe, Bourassa Michelle, Pelletier Gilles, & Geoffroy Guy  
*Research Centre of Sainte-Justine Hospital and University of Montreal*
29. **Movement-related potentials in children with Attention-Deficit Hyperactivity Disorder (ADHD) during a spatial stimulus-response compatibility task**  
Ge Yong-liang, Robaey Philippe, Bourassa Michelle, Pelletier Gilles, & Geoffroy Guy  
*Research center of Sainte-Justine Hospital and University of Montreal*
30. **The influence of pulsed magnetic fields on electrocortical activity**  
Anne Schienle, Rudolf Stark, & Dieter Vaitl  
*University of Giessen*
31. **Cortical influences on high-frequency heart period variability**  
Peter J. Marshall & Nathan A. Fox  
*University of Maryland*
32. **The effect of aging on event-related potentials topography during a Stroop task**  
Marc E. Lavoie<sup>1,2</sup>, Louis Bherer<sup>1,3</sup>, & Sylvie Belleville<sup>1,3</sup>  
*<sup>1</sup>University of Montreal, <sup>2</sup>Centre de Recherche Fernand-Seguin, <sup>3</sup>Institut Universitaire de Geriatrie*

- 33. An event-related potential study of congruity and familiarity in a context of music and text**  
Marc E. Lavoie, Jean-Francois Giguere,  
& Isabelle Peretz  
*University of Montreal*
- 34. Sustained working memory load and EEG**  
Gebhard Sammer  
*University of Giessen*
- 35. Chronopsychophysiology: The temporal localization of effects of loud auditory stimuli and aging foreperiods on reaction time**  
Fren T.Y. Smulders & Eddy J. Davelaar  
*Maastricht University*
- 36. Dysphoria and decision-making: Does mood affect making advantageous choices?**  
J.A. Pineda, C. Karns, & A. Vankov  
*University of California, San Diego*
- 37. Effects of amount of information on ERPs and reaction time**  
Antonio Andres-Pueyo<sup>1</sup>, Andreu Vigil-Colet<sup>2</sup>, & Maria Josep Codorniu<sup>2</sup>  
<sup>1</sup>*University of Barcelona*, <sup>2</sup>*University Rovira i Virgili of Tarragona*
- 38. Stress affects the P3 asymmetry**  
A. Luerken, E. Naumann, F. Gerhards,  
E. Kramer, G. Becker, & D. Hagemann  
*University of Trier*
- 39. The effects of common odors on ERPs during task performance**  
Tyler S. Lorig, David G. Elmes, Emily L. Malin, & Jesup C. Szatkowski  
*Washington and Lee University*
- 40. The effect of affective-motivational valence on the stimulus-preceding negativity prior to feedback stimuli**  
Yasunori Kotani<sup>1</sup>, Shiho Hiraku<sup>2</sup>, & Yasutsugu Aihara<sup>3</sup>  
<sup>1</sup>*Tokyo Institute of Technology*, <sup>2</sup>*University of Tokyo*, <sup>3</sup>*Tokyo Metropolitan University*
- 41. P300 is reduced in smokers**  
Andrey P. Anokhin, Andrei B. Vedeniapin,  
Erik J. Sirevaag, & John W. Rohrbaugh  
*Washington University School of Medicine*

- 42. Startle modulation by smoking: The effect of family history**  
Andrey P. Anokhin<sup>1</sup>, Werner Lutzenberger<sup>2</sup>, & Niels Birbaumer<sup>2,3</sup>  
*<sup>1</sup>Washington University School of Medicine, <sup>2</sup>Institute for Medical Psychology, Tübingen, <sup>3</sup>University of Padova*
- 43. Frontal EEG asymmetry and personality**  
Andrey P. Anokhin, Andrei Vedeniapin, Erik J. Sirevaag, John W. Rohrbaugh, Nenad Svrakic, & Robert C. Cloninger  
*Washington University School of Medicine*
- 44. Impedance asymmetries and electroencephalographic asymmetries in linked-ears and derived Cz references**  
John P. Kline<sup>1</sup>, David R. Carlson<sup>2</sup>, Ginnette C. Blackhart<sup>1</sup>, & Sherry R. Williams<sup>2</sup>  
*<sup>1</sup>Florida State University, <sup>2</sup>Eastern Washington University*
- 45. Behavioral activation sensitivity and anterior electroencephalographic asymmetry: Inconsistencies and mediating factors**  
John P. Kline<sup>1</sup>, Sherry R. Williams<sup>2</sup>, David R. Carlson<sup>2</sup>, & Ginnette C. Blackhart<sup>1</sup>  
*<sup>1</sup>Florida State University, <sup>2</sup>Eastern Washington University*
- 46. Opposites attract: Anterior asymmetry in low and high-defensive women and men with same and opposite sex experimenters**  
John P. Kline & Ginnette C. Blackhart  
*Florida State University*
- 47. Work strain and cardiovascular rewind at night**  
Renate Rau, Manuela Pöttsch, & Antje Triemer  
*University of Technology, Dresden*
- 48. Occupational stress and sympathetic drive to the heart**  
Guido Godaert, Eamonn Hanson, & Derk Jan Nijhoff  
*Utrecht University*

49. **Comparison of mental workload in a flight simulator and real flight**  
Hans Veltman  
*TNO Human Factors Research Institute*
50. **Personality correlates of autonomic activity and mood at rest**  
John J. Sollers III<sup>1</sup>, Julian F. Thayer<sup>1</sup>,  
Melanie A. Pearson<sup>2</sup>, Meredith L. Faith<sup>1</sup>,  
& Paul T. Costa, Jr.<sup>1</sup>  
<sup>1</sup>*National Institute on Aging*, <sup>2</sup>*University of Missouri-Columbia*
51. **Sexual intercourse but not other sexual activity frequency is related to greater heart rate variability and lower diastolic blood pressure in cohabitants**  
Stuart Brody<sup>1</sup>, Ralf Veit<sup>1</sup>, & Harald Rau<sup>2</sup>  
<sup>1</sup>*University of Tübingen*, <sup>2</sup>*University of Konstanz*
52. **A cardiac psychophysiological profile in women with high and low scores in hostility**  
Francesc Palmero & Alicia Bрева  
*Universitat Jaume I*
53. **Accumulative effects of anger on cardiovascular reactivity during conditions of frustration and/or harassment**  
Ana García-León<sup>1</sup>, Gustavo Reyes<sup>1</sup>, &  
Jaime Vila<sup>2</sup>  
<sup>1</sup>*Universidad de Jaén*, <sup>2</sup>*Universidad de Granada*
54. **Social phobia in middle-aged and elderly males: No evidence for aberrant cardiovascular autonomic or hemodynamic responses to a socially stressful task**  
Paul Grossman<sup>1</sup>, Frank H. Wilhelm<sup>2</sup>,  
Ichiro Kawachi<sup>3</sup>, & David Sparrow<sup>4</sup>  
<sup>1</sup>*IYMG*, <sup>2</sup>*Stanford University*, <sup>3</sup>*Harvard School of Public Health*, <sup>4</sup>*Department of Veteran Affairs & Harvard Medical School*
55. **Increased social support (pet ownership), but not ACE inhibitor therapy, attenuates cardiovascular reactivity among hypertensive stockbrokers: A controlled randomized trial**  
Karen Allen & Joseph L. Izzo, Jr.  
*State University of New York at Buffalo*

- 56. Cardiovascular, electrodermal and somatic activity in essential hypertension and normal blood pressure**  
A. Salgado, M. GarcíaVera, & F. Labrador  
*Complutense University of Madrid*
- 57. Autonomic and somatic reactivity in arterial hypertension patients in laboratory tasks**  
A. Salgado, M. GarcíaVera, & F. Labrador  
*Complutense University of Madrid*
- 58. Cardiac autonomic control and coronary risk factors in healthy middle-aged men**  
R.P. Sloan<sup>1</sup>, J.T. Bigger Jr<sup>1</sup>, L. Kumlin<sup>2</sup>, L. Dimberg<sup>2</sup>, E. Bagiella<sup>1</sup>, & R.C. Steinman<sup>1</sup>  
<sup>1</sup>*Columbia University*, <sup>2</sup>*Volvo Aero Corporation*
- 59. Effects of hormone replacement therapy on stress reactivity depend on resting blood pressure**  
Suzanne G. Helfer<sup>1</sup>, James A. McCubbin<sup>1</sup>, Thomas M. Price<sup>1</sup>, Fred S. Switzer<sup>1</sup>, Jane A. Norton<sup>2</sup>, & Kenneth N. Muse<sup>2</sup>  
<sup>1</sup>*Clemson University*, <sup>2</sup>*University of Kentucky College of Medicine*
- 60. Idiodynamic profiles of cardiovascular activity**  
Bruce H. Friedman, Aimee K. Santucci, Erin M. Curtis, & Ben G. Pumphrey  
*Virginia Polytechnic Institute & State University*
- 61. Estimating blood pressure variability by Finapres during rest and stress conditions: Caution advised**  
Hartmut Schächinger, Lilly Linder, Wolf Langewitz, & Phillip Lyrer  
*University Hospital Basel*
- 62. Test for detection of ventricular extra systoles by heart rate variability analysis**  
Ruzha Nikolova<sup>1</sup>, Svetoslav Danev<sup>1</sup>, Svetoslav Svetoslavov<sup>2</sup>, & Silviana Halatcheva<sup>3</sup>  
<sup>1</sup>*National Center of Hygiene, Medical Ecology and Nutrition*, <sup>2</sup>*Technical University*, <sup>3</sup>*Higher Medical University*

**63. Effect of day-long consumption of tea and coffee upon parameters of heart rate variability**

Jane Rycroft, Joan Lane, & Paul Quinlan  
*Unilever Research Laboratory*

**64. The acute effects of black tea upon the psychophysiological responses of human subjects to the Stroop Colour Word Conflict task**

Jane Rycroft<sup>1</sup>, Paul Quinlan<sup>1</sup>, & Wendy Atkinson<sup>2</sup>

<sup>1</sup>*Unilever Research Laboratory,*  
<sup>2</sup>*Manchester University*

**65. Cardiovascular changes in alcohol withdrawal**

Seppo Kähkönen<sup>1</sup> & Boris Bondarenko<sup>2</sup>

<sup>1</sup>*University of Helsinki and Helsinki University Central Hospital,* <sup>2</sup>*Cardiology Research Institute of St. Petersburg*

**66. Endocrinological stress dampening effects of ethanol in subjects with a familial risk for alcoholism**

Bernhard Croissant, Heiderose Pfeiffer, & Robert Olbrich  
*Central Institute of Mental Health, Mannheim*

**67. The startle reflex during alcohol detoxification**

David J. Drobles, Michael E. Saladin, Robert J. Malcolm, Scott F. Coffey, & Raymond F. Anton  
*Medical University of South Carolina*

**68. Inhibition of startle-blink by a visual prepulse is cortically mediated**

Douglas C. Sonnenberg, Steven A. Hackley, Lenworth N. Johnson, & Anita J. Sarno  
*University of Missouri-Columbia*

**69. Affective startle modulation: A psychometric comparison of alternative electrode placements and quantification algorithms**

Chelsea Jankel, Anita D. Keener, Jeffrey F. Cohn, & Valerie Monaco  
*University of Pittsburgh*

70. **Prepulse inhibition of startle, intelligence, and familial primary nocturnal enuresis**  
Edw. M. Ornitz, Andrew T. Russell, Patrik Gabikian, Jean Gehricke, & Don Guthrie  
*University of California at Los Angeles*
71. **Development of multimodal attention in young infants: Modification of the startle reflex by attention**  
John E. Richards  
*University of South Carolina*
72. **Gastric myoelectrical activity as an indicator of susceptibility to motion-induced nausea**  
Eric Muth, Karen Wu, Russell Lee, Michael Osborn, & Ben Lawson  
*Naval Aerospace Medical Research Laboratory*
73. **Comparison between monorhinal and birhinal olfactory stimulations in bilateral electrodermal activity**  
G. Brand & J.L. Millot  
*Université de Besançon*
74. **Effects of emotional films and active vs. passive coping tasks on respiratory resistance in asthmatic and nonasthmatic individuals**  
Thomas Ritz<sup>1</sup>, Andrew Steptoe<sup>1</sup>, Steven De Wilde<sup>1</sup>, & Marco Costa<sup>2</sup>  
<sup>1</sup>*University of London*, <sup>2</sup>*University of Bologna*
75. **The effects of serial position and frequency of presentation of common stimulus features on orienting response reinstatement**  
Gershon Ben-Shakhar & Itamar Gati  
*The Hebrew University of Jerusalem*
76. **Effects of questions' repetition on the efficiency of the guilty knowledge test: A reexamination**  
Gershon Ben-Shakhar<sup>1</sup> & Eitan Elaad<sup>2</sup>  
<sup>1</sup>*The Hebrew University of Jerusalem*,  
<sup>2</sup>*Israel National Police*
77. **Absence of placebo responses in the absence of caffeine-related conditioning history**  
Terry D. Blumenthal<sup>1</sup>, James Gambill<sup>1</sup>, Traverse Burnett<sup>1</sup>, Nathan Schultheiss<sup>1</sup>, Heather Scalf<sup>1</sup>, & Magne A. Flaten<sup>2</sup>  
<sup>1</sup>*Wake Forest University*, <sup>2</sup>*Norwegian University of Science and Technology*

- 78. Physiological effects of varied mental workload in pilots during flight**  
Glenn F. Wilson<sup>1</sup> & Jared Lambert<sup>2</sup>  
*<sup>1</sup>Air Force Research Laboratory, <sup>2</sup>Sytronics, Inc.*
- 79. Cardiovascular responses in psychophysiological detection**  
Akihisa Hirota & Junichiro Wada  
*National Research Institute of Police Science*
- 80. Mood, task difficulty, and cardiovascular response reflecting effort**  
Guido H.E. Gendolla & Jan Kruesken  
*University of Erlangen*
- 81. Generalisation of conditioned fear: Sensory preconditioning of evaluative and preparatory responses**  
Debora Vansteenwegen<sup>1</sup>, Geert Crombez<sup>2</sup>, Frank Baeyens<sup>1</sup>, & Paul Eelen<sup>1</sup>  
*<sup>1</sup>University of Leuven, <sup>2</sup>University of Gent*
- 82. Asymmetrical effects of positive and negative affect: Emotional responses to conflict management in a computer mediated negotiation task**  
Inmaculada F.J. Cisneros & Miguel A. Dorado  
*Universidad de Sevilla*
- 83. Facial reactions to positive and negative facial expressions: Evidence for right hemisphere dominance**  
Ulf Dimberg & Maria Pettersson  
*Uppsala University*
- 84. Automatic reactions to facial stimuli: Evidence of facial affect programs**  
Ulf Dimberg & Monika Thunberg  
*Uppsala University*
- 85. Emotional reactions to young and older adult faces**  
Diane L. Filion<sup>1</sup>, Joan M. McDowd<sup>1</sup>, & Mary Lee Hummert<sup>2</sup>  
*<sup>1</sup>University of Kansas Medical Center, <sup>2</sup>University of Kansas*
- 86. Temperamental influences on affective modulation of the startle reflex in children**  
Mark H. McManis, Nancy Snidman, & Jerome Kagan  
*Harvard University*

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87. **Disgust conditioning: The possible role of disgust sensitivity**  
Rudolf Stark, Anne Schienle, & Dieter Vaitl  
*University of Giessen*
88. **Conditioning of psychophysiological disgust responses**  
Anne Schienle, Rudolf Stark, & Dieter Vaitl  
*University of Giessen*
89. **Emotion or motivation: Determinants of responses during imagination**  
Gerhard Stemmler, Marcus Heldmann, Christina Gaffal, & Johannes Ullrich  
*University of Marburg*
90. **“They done me wrong”: The psychophysiology of remembering hurts, holding grudges, empathizing, and forgiving**  
Charlotte vanOyen Witvliet, Thomas Ludwig, Kelly Chamberlain, Erin Thompson, & Dennis Ahmad  
*Hope College*
91. **A comparison of psychophysiological response patterns between mental and emotional strain**  
Florian Schaefer, Chirin Yekrang, Ruediger Baltissen, & Wolfram Boucsein  
*University of Wuppertal*
92. **Valence and arousal as determinants of cardiovascular responses during imagery**  
Margret A. Appel<sup>1</sup> & Suzanne G. Helfer<sup>2</sup>  
<sup>1</sup>*Ohio University*, <sup>2</sup>*Clemson University*
93. **Effects of stress on the respiratory central mechanisms and gas exchange**  
Akio Umezawa<sup>1</sup>, Kensuke Terai<sup>1</sup>, Hiromi Takeuchi<sup>1</sup>, & Akira Kurohara<sup>2</sup>  
<sup>1</sup>*Fukui University*, <sup>2</sup>*Fukui Prefecture Police H.Q.*
94. **Implemental mindset, prefrontal EEG asymmetry, and cognitive dissonance reduction**  
Eddie Harmon-Jones, Chris Hubbell, & Hannah Peterson  
*University of Wisconsin, Madison*
95. **Prefrontal resting asymmetry predicts empathic emotional responses**  
Eddie Harmon-Jones, Hannah Peterson, & Kate Vaughn  
*University of Wisconsin, Madison*

- 96. Measuring racial prejudice with event-related potentials**  
Tiffany A. Ito<sup>1</sup> & John T. Cacioppo<sup>2</sup>  
<sup>1</sup>University of Colorado, <sup>2</sup>University of Chicago
- 97. Hunger-related appetite and parietal ERP activity**  
Luis Carretié, Manuel Tapia, Francisco Mercado, & José A. Hinojosa  
*Universidad Autónoma de Madrid*
- 98. Electrocortical processing of subliminally presented phobogenic stimuli**  
Ingmar Gutberlet, Silke Krieschel, & Wolfgang H.R. Miltner  
*University of Jena*
- 99. Influence of recognition correctness and subjective certainty on electrocortical processing of subliminally applied phobogenic stimuli**  
Ingmar Gutberlet, Silke Krieschel, & Wolfgang H.R. Miltner  
*University of Jena*
- 100. Effects of emotional valence of auditory and visual stimulation on the recovery of EEG and ANS activity elicited by aversive stimuli**  
Jin-Hun Sohn, Estate M. Sokhadze, Kyung-Hwa Lee, Sangsup Choi, & Imgap Yi  
*Chungnam National University*
- 101. Differentiation of evaluation and intention in linked networks of human frontal cortex**  
Don Tucker<sup>1,2</sup>, Ann Speiser<sup>1,2</sup>, Lynn McDougal<sup>1</sup>, Richard Desmond<sup>1</sup>, Tobias Flaisch<sup>3</sup>, & Phan Luu<sup>1,2</sup>  
<sup>1</sup>University of Oregon, <sup>2</sup>Electrical Geodesics, Inc., <sup>3</sup>University of Konstanz
- 102. Heart rate change induced by motoric inhibition not coordination of perceptual and motor processing.**  
J.R. Jennings<sup>1</sup>, M.W. van der Molen<sup>2</sup>, & K.B. Debski<sup>1</sup>  
<sup>1</sup>University of Pittsburgh, <sup>2</sup>University of Amsterdam

- 103. Reflections of selective attention and response inhibition in HR**  
Frederik M. van der Veen<sup>1</sup>, Maurits W. van der Molen<sup>1</sup>, & J. Richard Jennings<sup>2</sup>  
<sup>1</sup>*University of Amsterdam*, <sup>2</sup>*University of Pittsburgh*
- 104. Startle eye blink and electrodermal responses - but not reaction time - are inhibited by prepulses**  
Hartmut Schächinger & Silvia Hatebur  
*University Hospital Basel*
- 105. Differential autonomic effects of individual blame and industry blame anti-smoking TV commercials on smokers and non-smokers**  
Michael Antecol<sup>1</sup>, Esther Thorson<sup>2</sup>, Annie Lang<sup>3</sup>, Robert F. Potter<sup>4</sup>, & Paul Bolls<sup>3</sup>  
<sup>1</sup>*Stanford University*, <sup>2</sup>*University of Missouri*, <sup>3</sup>*Indiana University*, <sup>4</sup>*University of Alabama*
- 106. Cortical and autonomic regulation during visual search and expectation behavior in infants**  
Tatyana Stroganova<sup>1</sup>, Olga Bazhenova<sup>2</sup>, Jane Doussard-Roosevelt<sup>2</sup>, & Stephen Porges<sup>2</sup>  
<sup>1</sup>*Brain Research Institute Russia*, <sup>2</sup>*University of Maryland*
- 107. Improved ERP indices of attention in schizophrenia predicted by increased serotonin metabolism: Admission/discharge comparisons in first/second episode patients**  
Robert D. Oades<sup>1</sup>, Stefan Bender<sup>1</sup>, Ulrich Schall<sup>1</sup>, Ansgar Klimke<sup>2</sup>, Alexandra Balcar<sup>1</sup>, & Renate Thienel  
<sup>1</sup>*University of Essen*, <sup>2</sup>*University of Duesseldorf*
- 108. Lateralized left trait- and right state-dependent prepulse inhibition of the N1-ERP in schizophrenia**  
Robert D. Oades, Jorg Wolstein, Ulrich Schall, & Stefan Bender  
*University of Essen*
- 109. Autism, savants and the thought-translation-device (TTD)**  
Niels Birbaumer<sup>1,2</sup>, Herta Flor<sup>3</sup>, & Paul Pauli<sup>1</sup>  
<sup>1</sup>*University of Tübingen*, <sup>2</sup>*University of Padova*, <sup>3</sup>*Humboldt-University Berlin*

- 110. Prefrontal cortex modulates extrastriate attentional processing**  
 Francisco Barcelo<sup>1,2</sup>, Shugo Suwazono<sup>3</sup>, & Robert T. Knight<sup>1</sup>  
<sup>1</sup>*University of California, Berkeley,*  
<sup>2</sup>*Complutense University of Madrid,*  
<sup>3</sup>*Niigata University*
- 111. The role of dorsolateral prefrontal cortex in attentional set shifting: Parsing the cognitive significance of WCST errors with event-related potentials**  
 Francisco Barcelo<sup>1,2</sup> & Robert T. Knight<sup>1</sup>  
<sup>1</sup>*University of California, Berkeley,*  
<sup>2</sup>*Complutense University of Madrid*
- 112. Sensory, motor and cognitive aspects of the manual gap effect. A high-density ERP study**  
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<sup>1</sup>*University of Sevilla,* <sup>2</sup>*Catholic University of Louvain*
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*<sup>1</sup>University of New South Wales, <sup>2</sup>University of Essen, <sup>3</sup>Neuroscience Institute of Schizophrenia and Allied Disorders, Sydney*
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*<sup>1</sup>University Psychiatry Clinics, Essen, <sup>2</sup>University of Aachen, <sup>3</sup>University Wuppertal*
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*<sup>1</sup>Central Institute of Mental Health Mannheim, <sup>2</sup>University of Heidelberg*
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<sup>1</sup>*University of Minnesota*, <sup>2</sup>*University of California, Berkeley*, <sup>3</sup>*University of California, San Francisco*
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<sup>1</sup>*University of Granada*, <sup>2</sup>*University of Jaen*
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<sup>1</sup>*University of Balearic Islands*, <sup>2</sup>*Hospital Joan March*
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