

Poster Session I
Wednesday, October 21, 2009

Poster Session Schedule

4:00 P.M.—6:00 P.M.	Posters Assembled
6:00 P.M.—8:00 P.M.	Posters Available for Viewing
8:00 P.M.—10:00 P.M.	Authors Present for Discussion and Questions
10:00 P.M.—11:00 P.M.	Dismantle Posters

- 1. Responses to Search-and-Rescue Robots in a Simulated Disaster Environment: The Influence of Robot Behavior**
Cindy L. Bethel¹, Kristen Salomon¹, & Robin R. Murphy²
¹University of South Florida, ²Texas A&M University
- 2. The Feedback-Related Negativity and Frontal Midline Theta During Gambling in Extreme BIS/BAS Groups**
Koen B. E. Böcker, Ivo Heitland, Edmund R. Volkerts, & J. Leon Kenemans
Utrecht University
- 3. Psychophysiology of Fear Offset**
Floris Klumpers, Amber N. V. Ruigrok, J. Leon Kenemans, & Johanna M. P. Baas
Utrecht University
- 4. The Dopamine Transporter Genotype and Punishment/Reward Sensitivity Predict Anxiety in a Sample of Healthy Female Students**
Ivo Heitland, Koen B. E. Böcker, Ed R. Volkerts, J. Leon Kenemans, & Ronald S. Oosting
Utrecht University
- 5. Electrophysiological Evidence for Rapid Preferential Processing of Electroshock Conditioned Faces**
Markus Junghöfer¹, Maria C. Pastor², Rosario Poy², Raúl López², Pilar Segarra², Àngels Esteller², & Javier Moltó²
¹University of Münster, ²Jaume I University

- 6. Free Will: A Question of Personality? An Investigation of Lateralized Readiness Potentials in EEG**
Eva-Maria Leicht, Markus Quirin, Julius Kuhl, & Thomas Gruber
University of Osnabrück
- 7. Post-Event Processing in Musical Performance Anxiety**
Susanne Gorges & Georg W. Alpers
University of Wuerzburg
- 8. Sensation Seeking, Risk Anticipation, and Feedback Processing in a Gambling Task**
Marta Bianchin¹ & Alessandro Angrilli²
¹*University of Padova*, ²*University of Padova, CNR Institute of Neuroscience*
- 9. Effects of Simulated Microgravity on Human Emotion Processing and Startle Reflex Modulation**
Simone Messerotti Benvenuti¹, Marta Bianchin¹, & Alessandro Angrilli²
¹*University of Padova*, ²*University of Padova, CNR Institute of Neuroscience*
- 10. Emotion Modulates Output Systems**
Fatima S. Erthal¹, Mirtes G. Pereira¹, Leticia Oliveira¹, Izabel F. Mocaiber², Mateus Joffily², Eliane Volchan², & Luiz Pessoa³
¹*Fluminense Federal University*, ²*Federal University of Rio de Janeiro*, ³*Indiana University*
- 11. Response Selection, Response Threshold and Stimulus-Response Conflict: Laplacian ERP Studies**
Clémence Roger, Franck Vidal, Thierry Hasbroucq, & Boris Burle
Laboratory of Neurobiology of Cognition, Aix-Marseille University, CNRS
- 12. Characterization of Electroencephalographic (EEG) Components Elicited by Overt Speech Production in the Picture Naming Task: A Laplacian ERP Study**
Stephanie Ries, Niels Janssen, Stephane Dufau, F. Xavier Alario, & Boris Burle
Aix-Marseille University, CNRS

- 13. Face Naming and Tip-of-the-Tongue State: An Event-Related Potentials Study Providing Further Findings**
Mónica Lindín & Fernando Díaz
University of Santiago de Compostela
- 14. A Magnetoencephalographic Study for the Characterization of the Timing and the Cortical Areas Associated with Face Naming and the Tip-of-the-Tongue State**
Mónica Lindín & Fernando Díaz
University of Santiago de Compostela
- 15. Covert and Overt Processing of Sad and Happy Faces: Early ERP Effects**
Jennifer N. Barrie, Fern E. Jaspers-Fayer, & Mario Liotti
Simon Fraser University
- 16. The Influence of Preference on the Neural Correlates of Memory**
Isabel Taake¹, Fern Jaspers-Fayer¹, Gord Hotchkiss², & Mario Liotti¹
¹*Simon Fraser University*, ²*Enquiro Search Solutions*
- 17. Electrodermal Activity Related to Anticipation of Pain Increases During Operant Conditioning of Altered Pain Sensitivity**
Susanne Becker, Anne-Kathrin Bräscher, Dieter Kleinböhl, Jasmin-Fleur Ahlheim, & Rupert Hölzl
University of Mannheim
- 18. Dynamics of Sexual Steroids' Level in Rats' Males Brain During Forming of the Conditioned Reflex**
Vladimir Sashkov
Institute of Developmental Physiology, Russian Academy of Education
- 19. Lack of Early Search for Truth in High Schizotypal People: ERP Evidence**
Isabel Orenes, David Beltrán, Gorka Navarrete, Axit Fumero, & Carlos Santamaría
University of La Laguna
- 20. Keeping in Mind What is Not True: N200 Effects of Exclusive Disjunctions**
David Beltrán & Carlos Santamaría
University of La Laguna

- 21. EEG Correlates of the Semantic Visual Processing in Humans**
Andrij O. Cherninskyi, Sergij O. Sobishchanskyi, Igor G. Zyma, & Sergij A. Kryzhanovskyi
Taras Shevchenko National University of Kyiv
- 22. Central and Peripheral Hemodynamics During Emotional Activation in Essential Hypotension**
Michela Sarlo, Andrea Devigili, Massimiliano de Zambotti, & Luciano Stegagno
University of Padova
- 23. The Neural Correlates of Attentional Bias in Blood Phobia as Revealed by the N2PC**
Giulia Buodo, Michela Sarlo, Marianna Munafò, & Daniela Palomba
University of Padova
- 24. Multimodal Assessment of Emotional Distress After Work-Related Accidents**
Marta Ghisi, Simona Scozzari, Giulia Buodo, Arianna Di Natale, Caterina Novara, & Daniela Palomba
University of Padova
- 25. Delta EEG Band as a Marker of Linguistic Left Hypofrontality in Schizophrenia Patients**
Chiara Spironelli, Luciano Stegagno, & Alessandro Angrilli
University of Padova
- 26. EEG Delta Band as a Marker of Brain Damage in Recovered Non-Fluent Aphasic Patients**
Chiara Spironelli & Alessandro Angrilli
University of Padova
- 27. Verbal Instruction Abolishes Fear Conditioned to Racial Out-Group Faces**
Kimberley M. Mallan, James Sax, & Ottmar V. Lipp
University of Queensland
- 28. My Parietal Cortex ‘Knows’ What You are Doing: The Human Mirror Neuron System Measured by FNIRs**
Saskia Koehler¹, Johanna Egetemeir², Prisca Stenneken², Paul Pauli¹, Andreas Fallgatter¹, & Martin J. Herrmann¹
¹*University of Würzburg*, ²*Bielefeld University*

- 29. Brain Activation During Joint Action Measured with Functional Near-Infrared Spectroscopy**
Johanna Egetemeir¹, Prisca Stenneken¹, Saskia Koehler², Andreas J. Fallgatter², & Martin J. Herrmann²
¹Bielefeld University, ²University of Wuerzburg
- 30. Auditory Attention to Targets in the Congenitally Blind Enhances Occipital Gamma-Band Oscillatory Activity**
Mario Liotti¹, Jessica J. Green¹, Fern Jaspers-Fayer¹, & Marty G. Woldorff²
¹Simon Fraser University, ²Duke University
- 31. Tactile Frequency Discrimination with Consecutive and Simultaneous Stimulus Presentation**
Tobias Katus, Julia Adler, & Matthias M. Müller
University of Leipzig
- 32. An ERP Source Localization Study of Performance Monitoring in Autism Spectrum Disorder**
Diane L. Santesso¹, Irene E. Drmic², Michelle K. Jetha³, Karen J. Mathewson³, Susan E. Bryson⁴, Joel O. Goldberg², Geoffrey B. Hall³, Sidney J. Segalowitz¹, & Louis A. Schmidt³
¹Brock University, ²York University, ³McMaster University, ⁴Dalhousie University
- 33. Cardiac Responses to Affective Auditory and Visual Stimuli in Adults with Autism Spectrum Disorder (ASD)**
Karen J. Mathewson¹, Irene E. Drmic², Michelle K. Jetha¹, Diane L. Santesso³, Susan E. Bryson⁴, Joel O. Goldberg², Geoffrey B. Hall¹, Sidney J. Segalowitz³, & Louis A. Schmidt¹
¹McMaster University, ²York University, ³Brock University, ⁴Dalhousie University
- 35. Tidal Volume Measurement During Slow Paced Breathing is Related to Several Cardiac Indices**
Ben Allen, Thomas J. Pardikes, & Bruce H. Friedman
Virginia Polytechnic Institute and State University

- 36. Effects of Respiration Rate on Four Metrics of RSA During a Quiet Rest and Dual Stressor Task**
Thomas J. Pardikes, Ben Allen, & Bruce H. Friedman
Virginia Polytechnic Institute and State University
- 37. Mean Daily Temperature Moderates the Shared Environmentalism of the Skin Conductance Response**
Greg Perlman¹, Wendy Johnson², William G. Iacono¹, & Matt McGue¹
¹*University of Minnesota*, ²*University of Edinburgh*
- 38. Personality Dimensions are Associated with ERP Time-Domain and Time-Frequency Features in Adult Males**
Scott J. Burwell, Steve M. Malone, Micah A. Hammer, Daniel Bedford, Ian McLaughlin, D. Vidovic, & William G. Iacono
University of Minnesota
- 39. Cross-Task and Co-Twin Similarity in ERP Components During Adolescence: A Temporal-Spatial Principal Components Analysis**
Greg Perlman, Steve M. Malone, Edward M. Bernat, & William G. Iacono
University of Minnesota
- 40. ERP Features in Adult Females with Traits Indicative of Borderline Personality Disorder**
Micah A. Hammer, Steve M. Malone, Scott J. Burwell, Daniel W. Bedford, Ian B. McLaughlin, Dragana Vidovic, Casey S. Gilmore, & William G. Iacono
University of Minnesota
- 41. The Longitudinal Stability of P3 Brain Amplitude Reduction in Subjects Diagnosed with Lifetime Externalizing Disorders**
Henry H. Yoon, William G. Iacono, & Stephen M. Malone
University of Minnesota
- 42. Age-Dependent Changes of EEG Frequency Characteristics and ECG-Changes Related to Working Memory Processes in Arithmetic Task**
Roland Boha, Máté Benyovszky, Zsófia Anna Gaál, Brigitta Tóth, & Márk Molnár
Institute of Psychology, Hungarian Academy of Sciences

- 43. Age-Related Electrophysiological Aspects of Probability Learning**
Zsófia Anna Gaál, Roland Boha, & Márk Molnár
Institute of Psychology, Hungarian Academy of Sciences
- 44. Startle Modulation and Autonomic Reactivity in Psychopathy: The Role of the Affective and the Antisocial Facets**
Rosario Poy, Pilar Segarra, M. Carmen Pastor, Raúl López, Àngels Esteller, Alicia Fonfría, Carla Colomer, M. Pilar Tormo, & Javier Moltó
Jaume I University
- 45. Aversive Conditioning Deficits in Non-Criminal Psychopaths**
Raúl López, Rosario Poy, M. Carmen Pastor, Pilar Segarra, Àngels Esteller, Carla Colomer, Alicia Fonfría, & Javier Moltó
Jaume I University
- 46. Error Processing and Conflict Monitoring Show Evidence of Heritability in ADHD**
Gráinne McLoughlin, Fruhling Rijdsdijk, Charlotte Tye, Philip Asherson, Jonna Kuntsi, & Robert Plomin
Institute of Psychiatry, King's College London
- 47. Striatal Activation to Negative Feedback Differs Between Behaviorally Inhibited and Non-Inhibited Adolescents**
Sarah M. Helfinstein¹, Brenda Benson², Yair Bar-Haim³, Koraly Perez-Edgar⁴, Allison Detloff², Daniel S. Pine², Nathan A. Fox¹, & Monique Ernst²
¹University of Maryland, College Park, ²National Institute of Mental Health, ³Tel Aviv University, ⁴George Mason University
- 48. Neuromagnetic and Audiometric Investigation of Transient Tinnitus**
Magdalene Ortmann¹, Winfried Schlee², Nadia Müller², & Nathan Weisz²
¹Institute for Biomagnetism and Biosignalanalysis, University of Münster, ²University of Konstanz

49. Aerobic Fitness Effects on Cognitive**Task Preparation**

Keita Kamijo¹, Kevin C. O'Leary², Matthew B. Pontifex², Jason R. Themanson³, & Charles H. Hillman²

¹Japan Society for the Promotion of Science, ²University of Illinois, Urbana-Champaign, ³Illinois Wesleyan University

50. Stabilization of Error-Related Brain Activity Across the Lifespan

Matthew B. Pontifex¹, Mark R. Scudder¹, Mike L. Brown¹, Kevin C. O'Leary¹, Chien-Ting Wu¹, Jason R. Themanson², & Charles H. Hillman¹

¹University of Illinois, Urbana-Champaign, ²Illinois Wesleyan University

51. Fitness and the Modulation of Cognitive Control in Preadolescent Children

Matthew B. Pontifex, Lauren B. Raine, Laura Chaddock, Matt VanPatter, Michelle W. Voss, Jennifer S. Kim, Neal J. Cohen, Arthur F. Kramer, & Charles H. Hillman

University of Illinois, Urbana-Champaign

52. How Do Subjects Experience an fMRI Session? Concordance Between Subjective and Neuroendocrine Stress Indicators

Ulrike Lueken¹, Markus Muehlhan¹, Hans-Ulrich Wittchen², & Clemens Kirschbaum³

¹Neuroimaging Center, Technische Universität, ²Institute of Clinical Psychology and Psychotherapy, Technische Universität, ³Technische Universität

53. Are Your Runs Comparable? Differences in Subjective and Neuroendocrine Stress Indicators in the Course of an fMRI Session

Markus Muehlhan¹, Ulrike Lueken¹, Michael N. Smolka², & Clemens Kirschbaum³

¹Neuroimaging Center, Technische Universität, ²Section of Systems Neuroscience, Faculty of Medicine Carl Gustav Carus, Technische Universität, ³Technische Universität

- 54. Functional Hemispheric Lateralization of Executive Function by Transcranial Direct Current Stimulation**
Colleen A. Dockery¹, Tilman Gaber², Niels Birbaumer¹, & Christian Plewnia³
¹*Institute of Medical Psychology and Behavioral Neurobiology, University of Tübingen*, ²*Max Planck Institute of Biological Cybernetics*, ³*University Hospital Tübingen*
- 55. Emotional Imagery Activates Reward Circuits**
Vincent D. Costa, Peter J. Lang, & Margaret M. Bradley
University of Florida
- 56. Fear Less! Neural Correlates of Fear Reversal**
Vincent D. Costa, Margaret M. Bradley, & Peter J. Lang
University of Florida
- 57. Fast and Easy: Reflex Modulation for Simple Pictures**
Bethany C. Wangelin, Margaret M. Bradley, & Peter J. Lang
University of Florida
- 58. Emotional Perception in Depressives and Controls: Rapid Functional Imaging**
Dean Sabatinelli¹, Andreas Keil², Margaret M. Bradley², & Peter J. Lang²
¹*University of Georgia*, ²*University of Florida*
- 59. Hyper- and Hypo-Reactivity in PTSD: Trauma Recurrence and Negative Affectivity**
Lisa M. McTeague¹, Peter J. Lang¹, Joshua R. Shumen¹, Marie-Claude Laplante¹, & Bruce N. Cuthbert²
¹*University of Florida*, ²*University of Minnesota*
- 60. Attention Capture in Blood-Injury Fear: Parafoveal & Foveal Processing**
Lisa M. McTeague¹, Andreas Löw², Shumen R. Joshua¹, Andreas Keil¹, & Peter J. Lang¹
¹*University of Florida*, ²*University of Greifswald*

- 61. The Time Course of Attention to Facial Expressions Distinguishes Healthy Controls, Socially Anxious Individuals, and Social Phobia Patients**
Andreas Keil, Lisa M. McTeague, Joshua R. Shumen, Marie-Claude Laplante, & Peter J. Lang
University of Florida
- 62. Loudness Dependency of Mismatch Negativity (MMN): Evidence from CSD-PCA**
Nathan A. Gates^{1,2}, Craig E. Tenke^{1,3}, Daniel M. Alschuler⁴, Christopher J. Kroppmann⁴, Gerard E. Bruder^{1,3}, & Jürgen Kayser^{1,3}
¹*Division of Cognitive Neuroscience, New York State Psychiatric Institute,* ²*Queens College and the Graduate Center of the City University of New York,* ³*College of Physicians and Surgeons, Columbia University,* ⁴*Division of Cognitive Neuroscience, New York State Psychiatric Institute*
- 63. Reference-Free ERP Old/New Effects of Visual Recognition Memory for Words and Faces in Schizophrenic and Healthy Adults**
Jürgen Kayser, Craig E. Tenke, Christopher J. Kroppmann, Shiva Fekri, Daniel M. Alschuler, Nathan A. Gates, Roberto B. Gil, & Gerard E. Bruder
New York State Psychiatric Institute
- 64. Characterization of N1/P2 Loudness Dependency by Temporal Principal Components Analysis of Current Source Density (CSD-PCA): Prediction of Treatment Response in Depressed Patients**
Craig E. Tenke, Jürgen Kayser, Nathan A. Gates, Daniel M. Alschuler, Christopher J. Kroppman, Shiva Fekri, Jonathan W. Stewart, Patrick J. McGrath, & Gerard E. Bruder
New York State Psychiatric Institute
- 65. Finding McGurk: Localization of the Source of the McGurk-Effect and Related Oscillatory Activity**
Julian Keil¹, Nathan Weisz¹, & Niklas Ihssen²
¹*University of Konstanz,* ²*Bangor University*
- 66. Hearing Music Within Noise: An ECOG Study**
Nadia Müller, Julian Keil, & Nathan Weisz
University of Konstanz

- 67. Modification of Synchronous Brain Activity in Chronic Tinnitus—A Neurofeedback Therapy**
Isabel Lorenz, Thomas Hartmann, Winfried Schlee, Nadia Müller, Julian Keil, & Nathan Weisz
University of Konstanz
- 68. Effects of Refreshing Memory on P300-Based GKT Administered One Month After a Mock-Crime for Repeated Offenders**
Yuki Hamamoto¹, Shinji Hira², & Isato Furumitsu³
¹*Nagoya University*, ²*Fukuyama University*, ³*University of East Asia*
- 69. Top-Down Effects on the Regularity Representation Revealed by Visual Mismatch Negativity**
Motohiro Kimura¹, Andreas Widmann², & Erich Schröger²
¹*Nagoya University*, ²*University of Leipzig*
- 70. Affective Priming in ERP: Unconscious and Conscious Processing of Facial Expressions and Cultural Effects**
Haruka Kondo¹, Tsunetaka Okita², & Hideki Ohira¹
¹*Nagoya University*, ²*Aichi Shukutoku University*
- 71. Neural Bases of Behavior Selection Without an Objective Correct Answer**
Takashi Nakao¹, Takahiro Osumi¹, Hideki Ohira², Yukinori Kasuya³, Jun Shinoda³, & Jitsuhiro Yamada³
¹*Japan Society for the Promotion of Science*, ²*Nagoya University*, ³*Kizawa Memorial Hospital, Chubu Medical Center for Prolonged Traumatic Brain Dysfunction*
- 72. Prefrontal Cortex Modulates Peripheral Immune Function According to Controllability of Acute Stress**
Hideki Ohira¹, Kenta Kimura², Michio Nomura³, Tokiko Isowa⁴, Naho Ichikawa¹, Masahiro Matsunaga⁵, Seisuke Fukuyama⁶, Jun Shinoda⁶, & Jitsuhiro Yamada⁶
¹*Nagoya University*, ²*The University of Tokyo*, ³*Hiroshima University*, ⁴*Mie University*, ⁵*Fujita Health University*, ⁶*Kizawa Memorial Hospital*

- 73. The Structure of the Mindful Brain**
Hiroki Murakami¹, Takashi Nakao¹, Masahiro Matsunaga², Yukinori Kasuya³, Jun Shinoda³, Jitsuhiro Yamada³, & Hideki Ohira¹
¹Nagoya University, ²Fujita Health University, ³Kizawa Memorial Hospital
- 74. Affective Range vs. Mean: A Novel Method for Understanding Atypical Affective Modulation of Startle**
C. Daniel Hornyik¹, Jared P. Dempsey¹, David E. Lovett¹, Elizabeth D. Eldridge¹, Ashley N. Junghans¹, Ronni G. Grigsby¹, Brooke N. Hill¹, Charles I. Abramson¹, & Lee M. Cohen²
¹Oklahoma State University, ²Texas Tech University
- 75. The Independent Contribution of Anxiety in Nicotine Withdrawal-Induced Cardiac Deceleration**
Ashley N. Junghans¹, Jared P. Dempsey¹, Kasey R. Claborn¹, Sasha D. Jaquez¹, David E. Lovett¹, William Lechner¹, & Lee M. Cohen²
¹Oklahoma State University, ²Texas Tech University
- 76. Cotinine as a Potential Predictor of Increased Anxiety During Nicotine Withdrawal**
Kasey R. Claborn¹, Jared P. Dempsey¹, Sasha D. Jaquez¹, Ashley N. Junghans¹, Brooke Hill¹, William Lechner¹, Lee Cohen², & Mustafa al'Absi³
¹Oklahoma State University, ²Texas Tech University, ³University of Minnesota Medical School
- 77. Social Deviance and Startle Modulation: Different Results for Different Measures of Psychopathy**
Elizabeth D. Eldridge¹, Jared P. Dempsey¹, Sara T. Hughes¹, David E. Lovett¹, C. Daniel Hornyik¹, & Lee M. Cohen²
¹Oklahoma State University, ²Texas Tech University
- 78. Atypical Affective Modulation of Startle and Symptoms of Depression**
David E. Lovett, Jared P. Dempsey, Ashley N. Junghans, C. Daniel Hornyik, Elizabeth D. Eldridge, Jason M. Kaplan, & Lee M. Cohen
Oklahoma State University
- 79. Blue LED Prepulse Inhibit More in PPI of Human Startle Eye Blink Reflex**
Fumio Yamada & Shin'ichi Nakano
Osaka University of Human Sciences

- 80. Attentional Startle Modulation: It Takes More Than Pairs of Two Digits**
Sakinah S. J. Alhadad & Ottmar V. Lipp
University of Queensland
- 81. Cardiovascular Patterns Associated with Appetitive and Defensive Activation During Affective Picture Viewing**
Patrick Gomez & Brigitta Danuser
Institute for Work and Health
- 82. Music Performance Anxiety (MPA): Cardiorespiratory Activity in High- and Low-Anxious Professional Music Students Before a Performance Situation**
Regina Studer¹, Danuser Brigitta¹, Horst Hildebrandt², Marc Arial¹, & Patrick Gomez¹
¹*Institute for Work and Health*, ²*Swiss University Centre for Music Physiology*
- 83. Effect of Intensity in Choice Reaction Time Tasks: An EEG Study**
Izabela Szumska, Edyta Sasin, & Piotr Jaskowski
University of Finance and Management
- 84. Crowded Targets Do Not Capture Attention: An EEG Study**
Marcin Ciesielski & Piotr Jaskowski
University of Finance and Management
- 85. Attention Networks in the Left and Right Hemispheres: A Spatio-Temporal EEG Study**
Edyta Sasin, Izabela Szumska, & Piotr Jaskowski
University of Finance and Management
- 86. Attentional Factors in Crossed-Uncrossed Difference: An EEG Study**
Tadeusz Kononowicz¹, Piotr Wolski², & Piotr Jaskowski¹
¹*University of Finance and Management*, ²*Jagiellonian University*
- 87. Spatial-Numerical Association Interferes with Orienting and Executive Attentional Processing**
Malgorzata Gut, Marzena Wasilewska, Izabela Szumska, & Piotr Jaskowski
University of Finance and Management

- 88. Craving and Affective Evaluation of Tobacco Stimuli with Virtual Environments: Startle Blinking Modulation in Smokers on Process of Change**
Miguel A. Muñoz^{1,2}, Sofía Mohamed², Ignacio Cifre^{1,3},
María I. Viedma-del-Jesús², Carolina Sitges¹, Pedro
Montoya¹, & Jaime Vila²
¹University of Islas Baleares, ²University of Granada,
³University of Barcelona
- 89. Somatosensory Activity Modulation During Observation of Others' Pain**
Mercedes Martínez Jauand, Ana María González
Roldán, Ignacio Cifre, Carolina Sitges Quirós, Miguel
Ángel García Muñoz, & Pedro José Montoya Jiménez
University of Balearic Islands
- 90. ERPs Elicited by Pain and Anger Faces with Different Intensities of Emotional Expression**
Ana María González Roldán, Mercedes Martínez
Jauand, Miguel Ángel Muñoz García, Carolina Sitges
Quirós, Ignacio Cifre, & Pedro Montoya Jiménez
University of Balearic Islands
- 91. Sleep Onset and Cardiovascular Modifications in Insomnia**
Naima Covassin, Massimiliano de Zambotti, Giuliano
De Min Tona, & Luciano Stegagno
University of Padova
- 92. Cardiac Activation and Attentional Performances in Insomniacs and Normal Sleepers**
Giuliano De Min Tona, Massimiliano de Zambotti,
Naima Covassin, Sandro Bettella, & Luciano Stegagno
University of Padova
- 93. Associations Between EEG and fMRI Measures During Instructed Emotion Regulation**
Elisabeth L. Kallenberger, Philip C. Burton, Dongju
Seo, Christopher J. Patrick, & Edward M. Bernat
University of Minnesota
- 94. The Functional Locus of the SNARC Effect: An ERP Investigation**
Ian G. Mackenzie¹, Hanna Fechner², & Hartmut
Leuthold¹
¹University of Glasgow, ²Humboldt University, Berlin

- 95. Interhemispheric EEG Asymmetries of ERP Old/New Effects in Visual Perception of Simple Nonverbal Stimuli**
Alexander Ya Kaplan, Ekaterina V. Levichkina, & Alexander Yu Zhigalov
Moscow State University
- 96. Conflict Signals in the Explicit Word Stem Completion Task**
Lars Kuchinke, Markus Hofmann, Benny Briesemeister, Nik Krumm, & Arthur M. Jacobs
Free University of Berlin
- 97. Assessing the Impact of Stimulus Similarity on the P300 During a Card-Playing Deception Detection Task**
Yannick Marchand¹, Pauline C. Inglis², & Celeste D. Lefebvre³
¹*Institute for Biodiagnostics (Atlantic)*, ²*Dalhousie University*, ³*IWK Health Centre*
- 98. ERP P3 Amplitude Change Over Trials During the Performance of a Working Memory N-Back Task in Older and Younger Adults**
David W. Shucard, Trevor L. Chichelli, Wing H. Lee, Tom J. Covey, Jeff T. Lee, & Janet L. Shucard
University at Buffalo
- 99. Modulation of Parieto-Frontal Feedback Loops in Continuous Visuomotor Learning Identified by Event-Related Potentials**
Holger Hill
Goethe University
- 100. Changes in EEG Theta Activity After Working-Memory Strategy Training on a Difficult Planning Task**
Kimberly Horn, Naveen Reddy, Dana Byrd, & W. Keith Berg
University of Florida
- 101. Genetic and Developmental Influences on EEG Band Power and Anterior Alpha Asymmetry in Adolescence**
Andrey P. Anokhin, Simon Golosheykin, & Sean D. Kristjansson
Washington University School of Medicine

- 102. Dissociating Functional Loci of Spatial and Non-Spatial Simon Effects: A PRP/LRp Study**
Carola Lehle¹, Asher Cohen², Joerg Sangals¹, Werner Sommer¹, & Birgit Stuermer¹
¹*Humboldt University, Berlin*, ²*Hebrew University of Jerusalem*
- 103. Intervals of Quasi-Stable EEG Phase Synchrony Correlated with Perception**
Andrey R. Nikolaev¹, Sergei Gepshtein², Pulin Gong³, & Cees van Leeuwen¹
¹*RIKEN Brain Science Institute*, ²*Salk Institute for Biological Studies*, *RIKEN Brain Science Institute*,
³*University of Sydney*, *RIKEN Brain Science Institute*
- 104. EEG Study of Creativity**
Maria Starchenko
Institute of the Human Brain of the Russian Academy of Sciences
- 105. High-Density ERPs Elicited by Human and Animal Faces and Polymorphism of 5HT2A Gene**
Elena V. Mnatsakanian¹, Natalia V. Maluchenko², & Alexander G. Tonevitsky³
¹*Institute of Higher Nervous Activity and Neurophysiology of the Russian Academy of Sciences*,
²*Moscow State University*, ³*Russian Research Institute of Sport and Physical Education*
- 106. Resting EEG-Characteristics and Human Working Efficiency**
Sergii A. Kryzhanovskiy, Igor G. Zyma, Sergij V. Tukaev, Andrii O. Cherninsky, & Natalja G. Piskorska
Taras Shevchenko National University of Kyiv
- 107. Does Error Detection System Impact to Lie Processing? An ERP Study**
Maxim Kireev, Sergey Pakhomov, & Svyatoslav Medvedev
Institute of the Human Brain of the Russian Academy of Sciences
- 108. The P300 BCI is More Than an Oddball and More Than a P300 BCI**
Sergei L. Shishkin, Ilya P. Ganin, & Alexander Ya Kaplan
M. V. Lomonosov Moscow State University

- 109. Electrophysiological Correlates of Reference Memory in a Time Discrimination Task: An ERP and ERD/ERS Study**
Vincenza Tarantino, Anahita Goljahani, Costanza D'Avanzo, Sparacino Giovanni, & Bisiacchi S. Patrizia
University of Padova
- 110. Mothers' EEG Activity During Babies' Crying and Nursing**
Yolanda del-Rio-Portilla¹, Julieta Ramos-Loyo², Consuelo Arce¹, & Maria Corsi-Cabrera¹
¹*National Autonomous University of Mexico*,
²*Neuroscience Institute, University of Guadalajara*
- 111. Qualitative and Quantitative EEG Abnormalities in Alcohol Dependence Violent Offenders**
Ana Calzada-Reyes¹ & Alfredo Alvarez-Amador²
¹*Legal Medicine Institute*, ²*Cuban Neuroscience Center*
- 112. Frontal Alpha and Beta EEG Power Asymmetry and Iowa Gambling Task Performance**
Richard T. Amoss & Michael J. Owren
Georgia State University
- 114. Prediction of Transition to Schizophrenia in At-Risk Individuals Based on EEG Spectral Power and Negative Symptoms**
Ronan Zimmermann¹, Ute Gschwandtner¹, Frank H. Wilhelm², Marlon O. Pflueger¹, Anita Riecher-Rössler¹, & Peter Fuhr¹
¹*University Hospital Basel*, ²*University of Basel*
- 115. Implicit Processing of Facial Features: Evidence from Human Electrophysiology**
Irene Leo¹, Michela Sarlo¹, & Francesca Pesciarelli²
¹*University of Padova*, ²*University of Modena*
- 116. How Learning Type and Reward Modulate the ERP Correlates of Error Processing**
Nicola K. Ferdinand & Axel Mecklinger
Saarland University
- 117. The Functional Significance of the Parietal Oddball N2 Obtained in Auditory Experiments**
János Horváth
Institute of Psychology, Hungarian Academy of Sciences

- 118. Wavelet-Based EOG Artifact Correction of EEG**
Benoit Décarie¹, Philippe Robaey¹, & Jean-Marc Lina²
¹*Children's Hospital of Eastern Ontario*, ²*Ecole de technologie supérieure*
- 119. EEG Investigation of Spatial Creative Thinking Components**
Zhanna V. Nagornova
Institute of the Human Brain of the Russian Academy of Sciences
- 120. The N200 is Sensitive to Concealed Information and Adds to the Detection Efficiency of Skin Conductance Responses**
Matthias Gamer¹ & Stefan Berti²
¹*University Medical Center Hamburg-Eppendorf*,
²*University of Mainz*
- 121. Electrophysiological Correlates of Directed Attention to Face Features**
Joseph P. McCleery¹, Chandni Singh², Gillian Petrozziello², & Charles A. Nelson¹
¹*Harvard Medical School*, ²*Children's Hospital Boston*
- 122. Brain Potentials Elicited by Garden-Path Arithmetic Expressions**
Nai-yi Wang¹ & Yue-jia Luo²
¹*Capital Institute of Basic Education Research, Beijing Normal University*, ²*National Key Lab of Cognitive Neuroscience and Learning, Beijing Normal University*
- 123. Temporal Modulation of N1 Visual Component in a Stroop Matching Task**
Isabel A. David¹, Eliane Volchan¹, Jaime Vila², Aydamari Faria-Jr.³, Pandelis Perakakis², Leticia Oliveira⁴, Mirtes G. Pereira⁴, & Walter Machado-Pinheiro⁴
¹*Federal University of Rio de Janeiro*, ²*University of Granada*, ³*Universidade Federal do Amapá*, ⁴*Fluminense Federal University*
- 124. The Influence of Performance Feedback in Blindsight—An ERP Study**
Jessica Sanger & Petra Stoerig
Heinrich-Heine-University of Duesseldorf

125. ERP-P3 for Pictures Varies in Amplitude According to Stimulus Content

Aki Akamine¹ & Mitsuro Kida²

¹*Nagoya University of Arts and Sciences*, ²*Aichi Gakuin University*

126. Influence of Arousal State on Movement-Related Brain Activity

Marta Bortoletto, Marianna Lemonis, & Ross Cunnington

School of Psychology and Queensland Brain Institute, University of Queensland

127. ACC Theta Oscillation and the Feedback-ERN

Bai Yu & Ohira Hdeki

Nagoya University

128. Response Activation and Inhibition in Choice Responses: A Laplacian ERP Analysis

Maria C. van de Laar¹, Wery P. M. van den

Wildenberg¹, Geert J. M. van Boxtel², & Maurits W. van der Molen¹

¹*University of Amsterdam*, ²*University of Tilburg*

129. The Influence of Trait Anger, Cortisol, and Aggression Resting Cortical Activity

Katja Bertsch¹, Judith Trenz¹, Robina Khan¹, Menno R. Kruk², Steffen Richter³, & Ewald Naumann¹

¹*University of Trier*, ²*Leiden University*, ³*Institute of Psychobiology, University of Trier*

130. The Use of High Resolution EEG Techniques to Improve the Estimation of Cortical Activity and Connectivity

Craig Tenke

New York State Psychiatric Institute

131. What Do We Measure—Creativity or Task Complexity?

Natalia V. Shemyakina, Zhanna V. Nagornova, & Sergey G. Danko

Institute of the Human Brain of the Russian Academy of Sciences

- 133. Continuous Rating and Psychophysiological Monitoring of Experienced Affect While Watching Emotional Film Clips**
Robert Schleicher¹ & Niels Galley²
¹*Deutsche Telekom Laboratories, Berlin*, ²*University of Cologne*
- 134. Personality, Emotion, Feelings & Physiology: How Personality Moderates the Effect of Emotion Induction on Physiology and Feelings**
Corinna E. Bonhage, Christin Burgdorf, & Gerhard Stemmler
University of Marburg
- 135. Emotions in Motion: The Perception of Dynamic and Static Emotional Facial Expressions Investigated by ERPs and fMRI Constrained Source Analysis Reveal Different Spatio-Temporal Neural Networks**
Sina A. Trautmann¹, Judith Domínguez-Borràs², Carles Escera², Thorsten Fehr¹, & Manfred Herrmann¹
¹*University of Bremen*, ²*University of Barcelona*
- 136. Cigarette Smoking Reduces Negative Affect in Adolescent Smokers: Concordance Across Self-Report and Psychophysiological Measures**
Jennifer C. Veilleux, Jon D. Kassel, Margaret C. Wardle, Adrienne J. Heinz, Justin Greenstein, Daniel P. Evatt, Ashley Braun, Linda Roesch, Eisuke Segawa, & Michael L. Berbaum
University of Illinois, Chicago
- 137. The Closed Circle of Empathy: Observing Outgroups Does Not Result in Sensorimotor MU Suppression**
Jennifer N. Gutsell & Michael Inzlicht
University of Toronto
- 138. Emotions in Voice and Music: Same Code, Same Effect?**
Nicolas Escoffier, Jidan Zhong, Anqi Qui, & Annett Schirmer
National University of Singapore

- 139. Effects of Completely Predictable and Unpredictable Aversive Stimuli on Startle Responses**
Brady D. Nelson & Stewart A. Shankman
University of Illinois, Chicago
- 140. Emotion Regulation and the Chronometry of Emotion-Evoked Zygomaticus Major Activity Patterns**
Ashley Warren & Keith W. Burton
University of Illinois, Springfield
- 141. Subliminal Exposure to Biologically Relevant Stimuli on Affective and Physiological States**
Pedro J. Rosa^{1,2}, Patrícia Arriaga², & Francisco Esteves²
¹*Universidade Lusófona de Humanidades e Tecnologias,*
²*Instituto Superior de Ciências do Trabalho e da Empresa (ISCTE)*
- 142. Psychophysiological Mediation Effects of Emotional Faces Impact in Time Perception**
Alexandre C. Fernandes & Teresa Garcia-Marques
Instituto Superior de Psicologia Aplicada
- 143. Unconscious Affect and Economics Behavior: fMRI Evidence for Stronger Subliminal Than Supraliminal Affective Priming Effects on Financial Choices**
Julie L. Hall¹, Richard Gonzalez¹, Chandra Sripada¹, & Oliver C. Schultheiss²
¹*University of Michigan,* ²*Friedrich-Alexander University of Erlangen*
- 144. The Relationship Between Cortisol Concentration, Anxiety and Rock Climbing Motor Performance**
Christopher I. Hodgson¹, Claire West¹, Terry McMorris¹, Ian Coleman¹, & Nick Draper²
¹*University of Chichester,* ²*University of Canterbury*
- 145. Amygdala Activation to Fearful Faces Under Attentional Load**
Martin Mothes-Lasch, Wolfgang H. R. Miltner, & Thomas Straube
Friedrich Schiller University of Jena
- 146. Acute Social Stress Modulates Passive But Not Motivated Visual Attention—A MEG Study**
Ludger Elling, Janine Bayer, & Markus Junghoefer
University of Münster

- 147. Engaging in a Cognitive Task Inhibits Negative Emotion**
Saea Iida & Hideki Ohira
Nagoya University
- 148. The Heart of the Music: Musical Tempo and Cardiac Response**
Robert J. Ellis, John J. Sollers III, Bradley M. Havelka, & Julian F. Thayer
Ohio State University
- 149. Emotional and Psychophysiological Responses to Food Stimuli**
Isabel Santos¹, Américo Baptista¹, & Francisco Esteves²
¹*Universidade Lusófona de Humanidades e Tecnologias,*
²*Instituto Superior de Ciências do Trabalho e da Empresa (ISCTE)*
- 150. Visual Scanpaths and Pupil Responses Triggered by Emotional Facial Expressions are Differentially Affected by Task Demands**
Elisa Scheller¹ & Matthias Gamer²
¹*University of Mainz,* ²*University Medical Center Hamburg-Eppendorf*
- 151. Emotional Behavior in Subclinical Psychopathy**
Kristen L. Godenick & Paul E. Haerich
Loma Linda University
- 152. Cardiovascular and EEG Indicators of Anger and Control/No Control States**
Elena Spiridon & Stephen H. Fairclough
Liverpool John Moores University
- 153. Effects of Nicotine and Bupropion on P3-Indexed Distraction by Affective and Smoking-Related Pictures**
David G. Gilbert, Chihiro Sugai, Swetha Murali, & Elizabeth Kreke
Southern Illinois University Carbondale

154. Attentional Redeployment as an Effective Emotion Regulation Strategy in Depression

Martin J. Herrmann¹, Maike Georgs², Andreas Mühlberger³, Alexandra Rebhan², Paul Pauli³, & Andreas J. Fallgatter¹

¹University of Würzburg, Clinic for Psychiatry, Psychosomatics and Psychotherapy, ²University of Würzburg, ³University of Würzburg, Institute of Psychology

155. Sleep Deprivation Potentiates Physiological Reactivity to Negative Affective Stimuli in Healthy Young Adults

Peter L. Franzen, Daniel J. Buysse, Denise N. Duryea, Annette Wood, & Greg J. Siegle
University of Pittsburgh

156. Attentional Resources and Negativity Bias

Yu-Xia Huang & Yue-Jia Luo
Beijing Normal University

157. Decision-Making in the Ultimatum and Dictator Games

Johannes Hewig¹, Nora Kretschmer¹, Ralf H. Trippe¹, Holger Hecht¹, Michael G. H. Coles², Clay B. Holroyd³, & Wolfgang H. R. Miltner¹

¹Friedrich Schiller University of Jena, ²FC Donders Centre for Cognitive Neuroimaging (FCDC), ³University of Victoria

158. Emotional Processing and Autonomic Responses in Patients with Autonomic Hyperactivity

Satoshi Umeda^{1,2,3}, Neil A. Harrison^{4,5}, Marcus A. Gray⁵, Christopher J. Mathias^{3,6}, & Hugo D. Critchley⁵

¹Keio University, ²Institute of Cognitive Neuroscience, University College London, ³Autonomic Unit, National Hospital for Neurology and Neurosurgery, University College London, ⁴Institute of Cognitive Neuroscience, University College London, ⁵Brighton and Sussex Medical School, University of Sussex, ⁶Neurovascular Medicine Unit, Imperial College London at St Mary's Hospital

159. Affectively-Modulated Startle Reflex Patterns are Influenced by Use of Hormonal Oral Contraception

Keith W. Burton, Lindsey Kucera, Jeanine Sellman, Dawn Tompkins, Sarah Wolsfeld, & Ashley Warren
University of Illinois, Springfield

160. Occupational Exposure to a Conductive Energy Device: Effects on Cardiovascular Parameters

Kirsten M. VanMeenen¹, Michael T. Bergen^{1,2}, Neil S. Cherniack¹, & Richard J. Servatius^{1,2}

¹*University of Medicine & Dentistry of New Jersey-New Jersey Medical School (UMDNJ-NJMS)* ²*Department of Veterans Affairs New Jersey Health Care System (VA-NJHCS)*

161. Interoceptive Sensitivity Modulates Implicit Memory of Emotional Words

Natalie S. Werner, Isabella Peres, & Rainer Schandry
Ludwig Maximilian University of Munich

162. A Novel Paradigm for Examining Adolescents' Neural Response to Parents' Affect

Erika E. Forbes¹, Lisa B. Sheeber², & Nicholas B. Allen³

¹*University of Pittsburgh*, ²*Oregon Research Institute*,
³*University of Melbourne*

163. Abberant Social and Cerebral Responding in a Competitive Reaction Time Paradigm in Psychopaths

Martin Lotze¹, Ralf Veit², Sven Sewing², H. Missenhardt³, Tilmann Gaber², & Niels Birbaumer²

¹*Functional Imaging Unit, Center for Diagnostic Radiology and Neuroradiology, University of Greifswald*,
²*Institute of Medical Psychology and Behavioral Neurobiology, University of Tübingen*, ³*Center of Psychiatry, Bad Schussenried*

164. Anxiety's Double-Edge: A MEG Study

Brian R. Cornwell, Sven Mueller, Raphael Kaplan, Christian Grillon, & Monique Ernst
National Institutes of Mental Health

165. Asymmetries of Emotional Perception in Women with History of Depression

Gina M. Grimshaw, Amy Walsh, Matt Crawford, & Kathryn Campbell
Victoria University of Wellington

166. Evidence for Sex Differences in Cerebral Laterality: Examining Changes in Systolic Blood Pressure Regulation and Time Estimation Before and After Exposure to a Cognitive Stressor

Alissa K. Holland¹, Joseph E. Carmona², David W. Harrison², Brooke T. Hunter¹, Leah S. Leak¹, Caroline Nunnery¹, & Terri Polenski¹

¹University of South Carolina, Lancaster, ²Virginia Polytechnic Institute and State University

167. The Effects of Facial Feedback on Spontaneous Eyeblinking While Receiving Pleasant-Unpleasant Visual Stimuli

Yasuko Omori & Yukiko Tatsuhiro

Jin-ai University

168. Affective Modulation of Startle Eye-Blink to Emotional Pictures of Varying Arousal Level in Borderline Personality Disorder Patients With and Without Comorbid Substance Use and Controls

Joseph S. Baschnagel¹, Scott F. Coffey², Larry W. Hawk, Jr.³, & Julie A. Schumacher²

¹Rochester Institute of Technology, ²University of Mississippi Medical Center, ³University at Buffalo

169. Emotional Modulation in Psychophysiological Disorders

Alfonso Salgado¹ & Almudena Duque²

¹Pontificia University of Salamanca, ²Complutense University of Madrid

170. Automatic and Controlled Processing in Stress Disorders

Almudena Duque¹ & Alfonso Salgado²

¹Complutense University of Madrid, ²Pontificia University of Salamanca

171. Voice Parameters, Heart Rate Changes, and Skin Conductance Responses in Animal Fear

Anders Flykt¹, Tanja Bänziger^{1,2}, & Sofie Lindeberg¹

¹University of Gävle, ²University of Geneva

172. Heart Rate Variability Changes at Computer Simulation of Aggressive Environment

Lusineh Stepanyan, Anna Stepanyan, & Vilena Grigoryan

Yerevan State University

- 173. Magnetocortical Correlates of the Affect Modulated LPP**
Stephan Moratti¹, Cristina Saugar², & Francisco del-Pozo¹
¹*Polytechnic University of Madrid*, ²*Complutense University of Madrid*
- 174. Reduced Preferential Processing of Emotional Stimuli Following Emotion-Mediated Response Conflict**
Marco Steinhauser, Tobias Flaisch, & Harald Schupp
University of Konstanz
- 175. Learning to Fear Others Through Pavlovian Conditioning and Social Punishment**
Andreas Olsson, Daniel Fürth, Madlen Derbsch, Evelyn Andersson, Armita Golkar, Tina Lonsdorf, & Arne Öhman
Karolinska Institute
- 176. The Valence of Emotional Animal Vocalizations Modulates Electrophysiological Correlates of the Human Orienting Response**
Anna S. Hasting¹, Marina Scheumann², Elke Zimmermann², & Sonja A. Kotz¹
¹*Max Planck Institute for Human Cognitive and Brain Sciences*, ²*University of Veterinary Medicine, Institute for Zoology, Hannover*
- 177. The Role of Alexithymia in Moderating Rapid Facial Responses to Facial Emotions**
Yong Peng Why & Denise LiJuan Liu
National University of Singapore
- 178. Frontal EEG Asymmetry in Initial Response to Affective Pictures is Associated with Sustained Negative Affect**
Christine L. Larson & Jordan S. Robinson
University of Wisconsin, Milwaukee
- 179. Differences in the Central Processing and Voluntary Regulation of Emotions in Alexithymia—An EEG Study**
Olga Pollatos
Ludwig Maximilian University of Munich
- 180. Alexithymia, Peripheral Reactivity and Emotion Regulation During a Social Stress Task**
Ellen Matthias
Ludwig Maximilian University of Munich

- 181. Automatic Processing of Phonotactically Ill-Formed Syllables Indexed by Mismatch Negativity (MMN)**
Johanna Steinberg¹, Hubert Truckenbrodt², & Thomas Jacobsen¹
¹University of Leipzig, ²Centre for General Linguistics (ZAS)
- 182. Failure in Phonological Monitoring? ERP Evidence of Late, Rather Than Early, Differences Between Dyslexic and Control Readers' Phonological Task Response**
Nicola Savill & Guillaume Thierry
Bangor University
- 183. Semantic Violations and Animacy Violations Elicit Different Brain Responses**
Jakub Szewczyk¹ & Herbert Schriefers²
¹Jagiellonian University, ²Radboud University Nijmegen
- 184. Electrophysiological Markers of Bottom-Up and Top-Down Influences on Temporal Order Perception in Speech**
Shin-Yi Fang & James S. Magnuson
University of Connecticut & Haskins Laboratories
- 185. Electrocortical Signature of Emotion Verb Processing**
Javier Rodríguez-Ferreiro¹, Brendan Weekes², Robert Davies³, & Fernando Cuetos¹
¹University of Oviedo, ²University of Sussex, ³Oxford Brookes University
- 186. Multiple Variables in Picture Naming Studied Using Parametric MEG Analysis**
Olaf Hauk¹, Friedemann Pulvermüller¹, & Michele Miozzo²
¹MRC Cognition and Brain Sciences Unit, University of Cambridge, ²University of Cambridge
- 187. Listening to Relaxing Music Prior to a Social Stressor: Effects on the Psychological and Physiological Stress Response**
Mirjam V. Thoma, Ulrike Ehlert, & Urs M. Nater
University of Zurich
- 188. Interaction Between the Task and the Background: A Visual Mismatch Negativity Study**
István Czigler & István Sulykos

Poster Session II
Thursday, October 22, 2009

Poster Session Schedule

8:00 A.M.—10:00 A.M.	Posters Assembled
10:00 A.M.—6:00 P.M.	Posters Available for Viewing
6:00 P.M.—8:00 P.M.	Authors Present for Discussion and Questions
8:00 P.M.—9:00 P.M.	Dismantle Posters

1. Electrocortical Correlates of Intra-Subject Variability of Reaction Times

Chris W. N. Saville, David Daley, James Intriligator,
Stephan Boehm, & Christoph Klein
Bangor University

2. Enabling Communication in Completely Paralyzed by Semantic Classical Conditioning: A Pilot Study

Adrian Furdea¹, Carolin Ruf¹, Armin Walter¹, Dimitria Paganía¹, Tamara Matuz¹, Jeremy Hill², Femke Nijboer³, Christoph Braun¹, Boris Kotchoubey¹, & Niels Birbaumer¹

¹*University of Tübingen*, ²*Max Plank Institute for Biological Cybernetics*, ³*Fatronic—Tecnalia*

3. Mapping the Cortical Hubs in the Tinnitus Distress Network

Winfried Schlee, Nadia Müller, Thomas Hartmann,
Julian Keil, Isabel Lorenz, & Nathan Weisz
University of Konstanz

4. An MRI-DTI Study of Monozygotic Twins Discordant for Obsessive-Compulsive Symptoms

Anouk den Braber¹, Dennis van 't Ent¹, Daniëlle C. Cath², Dorret I. Boomsma¹, Marina Barysheva³, Agatha D. Lee³, Lara C. Foland-Ross³, Jason L. Stein³, Paul M. Thompson³, & Eco J. C. de Geus¹

¹*Vrije University—Amsterdam*, ²*Utrecht University*,

³*University of California, Los Angeles, School of Medicine*

5. Temporal Changes in Brain Activity Elicited by Conditioned and Unconditioned Stimuli in an Associative Learning Paradigm

Noemí Sánchez-Nácher¹, Carolina Sitges¹, Miguel Ángel Muñoz^{1,2}, Ignacio Cifre^{1,3}, Jose Javier Campos-Bueno⁴, & Pedro Montoya¹

¹*University of Balearic Islands*, ²*University of Granada*,

³*University of Barcelona*, ⁴*Complutense University*

- 6. Induced Gamma Band Responses: Neuronal Origin or Eye Movement Artefact?**
Uwe Hassler & Thomas Gruber
University of Osnabrück
- 7. Encoding of Multiple Time Scales of Acoustic Regularities as a Function of Expectancy as Revealed by Human Evoked Potentials**
Jordi Costa-Faidella, Sabine Grimm, Francisco Díaz-Santaella, Lavinia Slabu, & Carles Escera
University of Barcelona
- 8. Age-Related Decline in the Dimensionality of Error-Related EEG Activity: An Independent Component Analysis**
Sven Hoffmann & Michael Falkenstein
Leibniz Research Centre for Working Environment and Human Factors
- 9. Executive Functions and Control of Aggression: An ERP Study**
Robert P. J. Kopyciok¹, Ulrike M. Krämer^{1,2}, Sylvia Richter¹, & Thomas F. Münte¹
¹*Otto-von-Guericke University of Magdeburg*, ²*University of California, Berkeley*
- 10. Imagining the Unknown: ERP Investigations of Semantic Knowledge Effects and the Time Course of Visual Imagery**
Johannes Rost & Rasha Abdel Rahman
Humboldt University, Berlin
- 11. On the Neural Correlates of Eye Gaze Adaptation**
Nadine Kloth & Stefan R. Schweinberger
Friedrich Schiller University of Jena
- 12. Alcohol Dose Effects on Fear Conditioning with Varying Levels of Threat Intensity**
Christine A. Moberg, Stefanie M. Weber, Jason N. Jaber, Allison M. Grant, & John J. Curtin
University of Wisconsin, Madison
- 13. Psychophysiological Variables as Predictors of Treatment Outcome for Anxiety Disorders**
Marlen Figueroa-Varela, Angela J. Muñoz, Sonia Rodríguez-Ruiz, Blanca Ortega-Roldán, Clara Homar, Ana I. Pérez, Sandra Díaz, & Jaime Vila
University of Granada

- 14. Source Estimation of the N2, ERN, and fERN in a Tactile Time-Estimation Task**
Theo O. J. Gründler¹, Markus Ullsperger¹, Christo Pantev², & René J. Huster²
¹Max Planck Institute for Neurological Research,
²Institute for Biomagnetism and Biosignalanalysis,
University of Münster
- 15. Error-Related Negativity Predicts Academic Performance**
Jacob B. Hirsh & Michael Inzlicht
University of Toronto
- 16. What Causes the Errorless Learning Benefit? Evidence from Feedback-Related Brain Activity**
Benjamin J. G. Ernst & Marco Steinhauser
University of Konstanz
- 17. When Hyper Becomes Hypo: Panic Disorder and Amygdala Activation to Masked Stimuli**
Cristina Ottaviani, Valeria Nucifora, Daniela Cevolani, Raffaele Agati, Rosita Borlimi, Gianni Brighetti, & Marco Leonardi
University of Bologna
- 18. Tactile Capture of Auditory Localization: An Event-Related Potential Study**
Patrick Bruns & Brigitte Röder
University of Hamburg
- 19. Amygdala-Dependent Associative Learning in Humans is Modulated by the BDNFVAL66MET Polymorphism**
Tina B. Lonsdorf¹, Almut I. Weike², Armita Golkar¹, Martin Schalling¹, Alfons O. Hamm², & Arne Ohman¹
¹Karolinska Institute, ²University of Greifswald
- 20. Oxytocin Buffers Cortisol Responses to Stress in Individuals with Impaired Coping Abilities**
Rainer Duesing, Markus Quirin, & Julius Kuhl
University of Osnabrück
- 21. The Perception of HIV Risk: An ERP Analysis of Intuitive Processes**
Ralf Schmäzle, Britta Renner, & Harald Schupp
University of Konstanz

- 22. Effect of Different Forms of Contingency Awareness on Subjective, Electrodermal, and Neural Correlates of Fear Conditioning**
Christian J. Merz^{1,2}, Katharina Tabbert², Dieter Vaitl², Rudolf Stark², & Oliver T. Wolf²
¹Ruhr-University Bochum, ²Bender Institute of Neuroimaging, University of Giessen, ³Ruhr-University Bochum
- 23. Does Baro-Afferent Feedback Respond to Processes of Classical Conditioning?**
Thomas M. Schilling, André Schulz, Anna M. Stertz, Nadine Jutz, Rebecca Schierbaum, Stefanie Schmitt, & Hartmut Schächinger
University of Trier
- 24. Happy End: The Offset of Angry Facial Expressions Activates the Human Reward System**
Matthias J. Wieser, Andreas Mühlberger, Antje B. M. Gerdes, Monika C. M. Frey, Peter Weyers, & Paul Pauli
University of Würzburg
- 25. Alcohol Intoxication: Selective Reduction of Anxiety in the Face of Uncertain Threat**
Kathryn R. Hefner, Jason N. Jaber, Allison M. Grant, & John J. Curtin
University of Wisconsin, Madison
- 26. Cardiac Reactions to Psychological Stress: The Influence of Vagal Tone and Social Support**
Gabriela G. L. Souza¹, Pandelis Perakakis², Pedro Guerra², Jose Luis Mata², Evandro F. S. Coutinho³, Ivan Figueira¹, Jaime Vila², & Eliane Volchan¹
¹Federal University of Rio de Janeiro, ²University of Granada, ³Oswaldo Cruz Foundation
- 27. Decreased Pre-Motor Volume in Victims of Urban Violence with PTSD**
Vanessa Rocha-Rego¹, Mirtes G. Pereira², Mateus Joffily¹, Leticia Oliveira², Adriana Fizman¹, Carla Marques-Portella¹, Mauro Mendlowicz², Ivan Figueira¹, & Eliane Volchan¹
¹Federal University of Rio de Janeiro, ²Fluminense Federal University

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- 28. Asymmetrical Frontal Cortical Activity, Commitment to Action, and Resistance to Persuasion**
Raymond N. Serra, Philip A. Gable, & Eddie Harmon-Jones
Texas A&M University
- 29. Sympathy Modulates N170 Response to Fear vs. Neutral Facial Expressions**
Laura C. Gravens, Philip A. Gable, & Eddie Harmon-Jones
Texas A&M University
- 30. Asymmetrical Frontal Late Positive Potential (LPP) Relates to Local vs. Global Attentional Precedence Following Desire vs. Sadness Primes**
Philip A. Gable & Eddie Harmon-Jones
Texas A&M University
- 31. PTSD and Immobility: A Posturographic Study**
Camila M. Franklin, Carlos E. Norte, Billy E. M. Nascimento, Willian Berger, Adriana Fiszman, Ana Carolina F. Mendonça-de-Souza, Gabriela G. L. Souza, Ivan Figueira, & Eliane Volchan
Federal University of Rio de Janeiro
- 32. Looking for a Cardiac Marker of Peritraumatic Tonic Immobility in PTSD**
Carlos E. Norte, Gabriela G. L. Souza, Camila M. Franklin, Alessandra A. Lima, Carla Marques-Portella, Ivan Figueira, & Eliane Volchan
Federal University of Rio de Janeiro
- 33. Cortisol Correlates with Tonic Immobility Symptoms as a Response to Life Threatening Situations in Healthy Subjects**
Thaís M. Gameiro¹, Ana Carolina F. Mendonça-de-Souza¹, Nastassja L. Fischer¹, Camila M. Franklin¹, Gabriela G. L. Souza¹, Evandro S. F. Coutinho², Ivan Figueira¹, & Eliane Volchan¹
¹*Federal University of Rio de Janeiro*, ²*Oswaldo Cruz Foundation*

- 34. Resilience and Humanitarianism Impact on Morning Secretion of Cortisol and DHEA in Peacekeepers**
Nastassja L. Fischer¹, Ana Carolina F. Mendonça-de-Souza¹, Wanderson F. Souza², Thaís M. Gameiro¹, Antonio Fernando A. Duarte³, Evandro S. F. Coutinho², Ivan Figueira¹, & Eliane Volchan¹
¹Federal University of Rio de Janeiro, ²Oswaldo Cruz Foundation, ³Physical Research Institute of Brazilian Army
- 35. The Late Positive Potential as a Biomarker for Anxiety-Related Attentional Biases**
Jennifer M. DeCicco-Augello¹, Melanie Hong², Daniel Otap², Greg Hajcak³, George Bonnano⁴, & Tracy A. Dennis²
¹The Graduate Center, The City University of New York, ²Hunter College, The City University of New York, ³Stony Brook University, ⁴Teachers College, Columbia University
- 36. Changes in the Late Positive Potential Predict Attention Training Effects on the Threat Bias**
Laura O'Toole¹, Meg Reuland², Kai Monde¹, Andrey Syroyezhkin³, & Tracy Dennis³
¹The Graduate Center, The City University of New York, ²Teachers College, Columbia University, ³Hunter College, The City University of New York
- 37. The Late Positive Potential as a Biomarker for Gender Differences in Affective Processing Related to Emotion Regulation**
Melanie Hong¹, Jennifer DeCicco-Augello², Emily Haroz³, & Tracy A. Dennis¹
¹Hunter College, The City University of New York, ²The Graduate Center, The City University of New York, ³Teachers College, Columbia University
- 38. . . . And They All Lived Happily Ever After: Factors Influencing Recovery from Negative Emotion in Young Children**
Jennifer A. DiCorcia & Heather L. Urry
Tufts University

39. Extending the Scope of Social Neuroscience to Explore the Relationship Between Vagal Tone and Event-Related Potentials in Response to an Affective Picture Task

Michele Dufey¹, Ana M. Fernandez¹, Esteban Hurtado¹, & Agustin M. Ibanez²

¹Universidad Diego Portales, ²Universidad Diego Portales, Chile/Institute of Cognitive Neurology (INECO-CONICET)

40. ERPs of Emotional Processing in Schizophrenia: N170 Evidence of Structural Processing and Emotional Discrimination Deficits in Probands and First Degree Relatives from Multiplex Schizophrenia Families

Esteban Hurtado¹, Migdyrai Martin Reyes², Rodrigo Riveros¹, Alvaro Navarro¹, Josefina Escobar³, Viviana Vergara⁴, Sofia Cereceda¹, Isabel Pizarro¹, Valeria Valdivia¹, & Agustin Ibanez⁵

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41. Expected Value Modulates Feedback Correct-Related Positivity: An ERP Study on Cognitive Processing of Monetary Gains and Losses

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¹International Center for Neurological Restoration, ²Cuban Neuroscience Center, ³McMaster University
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¹Central Institute of Mental Health, ²Institute of Psychiatry, King's College London
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¹University of Tübingen, ²University of Arkansas for Medical Sciences
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¹University of Tübingen, ²University of Würzburg
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¹University of Trier, ²University of Heidelberg
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¹University of Arizona, ²University of Virginia
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Chia-lin Lee & Kara D. Federmeier
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¹*Universität Mannheim*, ²*Universidad Nacional de Educacion a Distancia*
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Jasmin Kizilirmak¹, Lars Behrmann¹, Karl Wessel^{1,2}, & Bruno Kopp^{1,2}
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Elisa M. Holz¹ & Paul Sauseng²
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- 146. Does the Lateralized Readiness Potential Reflect Impaired Response Selection in Schizophrenia?**
David Moellers¹, Benedikt Reuter¹, Lisa V. Kloft¹, Juergen Gallinat², & Norbert Kathmann¹
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Cory A. Burghy, Daren C. Jackson, Narina Nunez, & Walt D. Scott
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Shulan Hsieh¹, Tzu-Hsien Li², & Ling-Ling Tsai²

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Erik M. Müller, Barbara Ahrens, Gerhard Stemmler, Maria Zangl, & Jan Wacker

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Hilde T. Juvodden¹, Heike Eichele¹, Markus Ullsperger², & Tom Eichele¹

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Katie C. Ewing & Stephen H. Fairclough

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Romi Zäske¹, Stefan R. Schweinberger¹, Jürgen M. Kaufmann¹, & Hideki Kawahara²

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Francesca M. M. Citron, Brendan S. Weekes, & Evelyn C. Ferstl

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Sonja C. Kleih¹, Sebastian Halder¹, Adrian Furdea¹, Boris Kotchoubey¹, & Andrea Kübler^{1,2}

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Julia Pellkofer & Martin Heil

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Bangor University

157. Neurophysiological Substrates of Behavioral Flexibility: An ERP Study

Liesel-Ann C. Meusel¹, Marc D. Lewis², Connie A. Lamm³, & Isabela Granic⁴

¹*McMaster University*, ²*University of Toronto*, ³*Hunter College*, ⁴*The City University of New York, Hospital for Sick Children*

158. Undetected Error Commission After Task-Switching

Koki Ikeda & Toshikazu Hasegawa

The University of Tokyo

159. Examining the Neural Substrates of the Affective Priming Effect

David R. Herring, Stephen L. Crites, Jennifer H. Taylor, Guadalupe Corral, Katherine R. White, Nazy Heydarian, Laura Zambrano-Vazquez, & Yvette Guereca

University of Texas at El Paso

160. Detection and Compensation of Response Selection Difficulties: Simon Versus Flanker Congruency Effects

Karen L. Mansfield¹, Geert J. M. Van Boxtel¹, & Maurits W. Van der Molen²

¹*Tilburg University*, ²*University of Amsterdam*

161. Does MMN Amplitude Vary with Deviant Probability? Negative Findings Using Patterned Auditory Stimuli

Lauren D. Sculthorpe & Kenneth B. Campbell

University of Ottawa

162. Alpha Activity ERD in the Visual Search Task

Natalia S. Yermachenko¹, Alexander A. Yermachenko²,
& Alexander V. Latanov¹

¹*Moscow State University*, ²*Modern University of
Humanities*

**163. Interactions Between Language and Attention
Systems: Early Automatic Lexical Access?**

Yury Shtyrov¹, Teija Kujala², & Friedemann
Pulvermuller¹

¹*MRC Cognition and Brain Sciences Unit, University of
Cambridge*, ²*Cognitive Brain Research Unit, University
of Helsinki*

**164. Parallel Response Activation and Inhibition as
Assessed with the Lateralized Readiness
Potential (LRP)**

Emily S. Kappenman & Steven J. Luck
University of California, Davis

165. Post-Error and Error-Preceding ERPs in ADHD

Jan R. Wiersema
Ghent University

**166. Fully Simultaneous Acquisition of Slow Cortical
Potential Changes and Functional MRI at 3 Tesla**

Florian P. S. Fischmeister^{1,3}, Veronika Schöpf²,
Christian Windischberger², Ewald Moser², & Herbert
Bauer³

¹*MR Center University of Vienna*, ²*Medical University of
Vienna*, ³*University of Vienna*

**167. Age Effects on Event-Related Potential and
Cardiovascular Activity in a Working
Memory Task**

Sergei A. Schapkin & Gabriele Freude
Federal Institute for Occupational Safety and Health

**168. ERP Marker of Emotion Regulation: An Individual
Difference Study**

Connie Lamm & Tracy Dennis
Hunter College, The City University of New York

**169. Dipole Parameter Estimation of M50 Auditory
Evoked Fields Applied to the Study of Training-
Induced Neuroplasticity in Schizophrenia**

Todor Iordanov, Tzvetan Popov, Christian Wienbruch,
Thomas Elbert, & Brigitte Rockstroh
University of Konstanz

- 170. Oxytocin and Cortical Activity: The Influence of Intranasal Oxytocin on EEG Alpha Frequency**
Nicolas Hardung, Markus Quirin, Miguel Kazén, Anja Fiedler, & Julius Kuhl
University of Osnabrück
- 171. Distinguishing the Relations Between Self-Efficacy, Personality, and Indices of Action Monitoring**
Jason R. Themanson¹, Peter J. Rosen¹, Michael J. Cunningham¹, Aaron B. Ball¹, Brandon M. Clark¹, Matthew B. Pontifex², Charles H. Hillman², & Edward McAuley²
¹*Illinois Wesleyan University*, ²*University of Illinois, Urbana-Champaign*
- 172. Perceptual Cues Modulate Response Cue Effects on Frontal N200 Amplitude and Response Activation**
Thorsten Albrecht & Uwe Mattler
University of Göttingen
- 173. Structuring the Inter-Individual Variation in Waking EEG for Discrimination Between the Objective Markers of Sleep Debt and Sleep Pressure**
Arcady A. Putilov, Olga G. Donskaya, Evgeniy G. Verevkin, & Mark B. Shtark
Research Institute for Molecular Biology and Biophysics
- 174. Early Cortical Responses Correlate with Subsequent Visual Exploration**
Hiroshi Nittono & Junko Ishiguro
Hiroshima University
- 175. Neuroplasticity-Based Training May Normalise Auditory Gating in Schizophrenia and Improve Verbal Processing**
Tzvetan Popov¹, Todor Jordanov¹, Gregory A. Miller², Thomas Elbert¹, Michael M. Merzenich³, & Brigitte Rockstroh¹
¹*University of Konstanz*, ²*University of Illinois, Urbana-Champaign*, ³*University of California, San Francisco*
- 176. Childhood Stress and Psychiatric Disorder Modify Reward Processing**
Astrid Steffen, Katharina Matz, Christine Naegele, & Brigitte Rockstroh
University of Konstanz

- 177. The Spatio-Temporal Pattern of Reward Processing: Magnetoencephalographic Responses to Value Appraisal and Reward Prediction in a Gambling Task**
Astrid Steffen, Daniel Muller, Christian Wienbruch, & Brigitte Rockstroh
University of Konstanz
- 178. Frequency Specific EEG Coherence Changes Related to Different Components of Working Memory**
Regina I. Machinskaya, Andrey V. Kurgansky, & Lubov S. Sokolova
Institute of Developmental Physiology of the Russian Academy of Sciences
- 179. Assessing Latent Features of Brain Development by EEG Photic Driving Reactivity**
Vladimir V. Lazarev, Maria Alice Genofre, Adailton Pontes, & Leonardo C. deAzevedo
Oswaldo Cruz Foundation
- 180. The Illusion of Misalignment in the Poggendorff Figure is Modeled by an Early Visual Processing and Cognitive Mechanisms**
Irina Shoshina¹, Leonid Medvedev², Ella Olada³, & Ekaterina Fedorova²
¹*Siberian Federal University*, ²*Krasnoyarsk State Pedagogical University*, ³*Free University of Berlin*
- 181. Exploring the Electrophysiological Correlates of Emotion-Enhanced Recollection**
Alexandre Schaefer, Claire L. Pottage, & Karrie Alexander
University of Leeds
- 182. Evoked and Induced Event-Related EEG Oscillations in High-Performing Young and Elderly Individuals During a Cognitive Flexibility Task**
Bruno Kopp^{1,2}, Christine Uhlmann², Lars Behrmann^{1,2}, Jürgen Howe², & Karl Wessel^{1,2}
¹*Braunschweig Hospital*, ²*University of Technology Braunschweig*

- 183. Automatic Processing of Feature- vs. Object-Related Deviances in the Visual Modality**
Dagmar Müller¹, István Winkler², & Erich Schröger¹
¹*Institute for Psychology I, University of Leipzig*, ²*Institute for Psychology, Hungarian Academy of Sciences*
- 184. Investigating Alterations in the Error-Related Negativity and Post-Error Behavioral Improvements Across Time**
Jason R. Themanson¹, Peter J. Rosen¹, Aaron B. Ball¹, Michael J. Cunningham¹, Brandon M. Clark¹, Matthew B. Pontifex², Charles H. Hillman², & Edward McAuley²
¹*Illinois Wesleyan University*, ²*University of Illinois, Urbana-Champaign*
- 185. Single-Trial Analysis Explains Reduction of P300 Amplitude in Cirrhotic Patients**
Sami Schiff, Costanza D'Avanzo, Giorgia Cona, Giovanni Sparacino, Patrizia Bisiacchi, & Piero Amodio
University of Padova
- 186. Parallel Preparation of Hand and Foot: Inferences from the Lateralized Readiness Potential**
Hartmut Leuthold¹ & Ines Jentzsch²
¹*University of Glasgow*, ²*University of St. Andrews*
- 187. Change Event Related Negativity for Deviants in Visual Search**
Elke B. Lange¹, Olga V. Sysoeva², Alexander B. Sorokin^{3,4}, & Tom A. Campbell⁴
¹*Cognitive Brain Research Unit, University of Helsinki*,
²*Institute of Higher Nervous Activity and Neurophysiology of the Russian Academy of Sciences*,
³*Mental Health Research Center of the Russian Academy of Sciences*, ⁴*Helsinki Collegium for Advanced Studies*
- 188. Material-Specific Electrophysiological Correlates of Recollection**
Giulia Galli & Leun J. Otten
Institute of Cognitive Neuroscience, University College London
- 189. Processing of Facial Emotion in Patients with Major Depression: ERP Correlates of a Negative Bias**
Andrea Figura¹, Katja Werheid¹, Norbert Kathmann¹, Philipp Klein², & Isabella Heuser²
¹*Humboldt University, Berlin*, ²*Charité—Berlin*

Clustered Poster Session #1*Abstract***Role of Attention in Processing of Visual Stimuli**

Chairs: Michal Kuniecki¹ & Piotr Jaskowski²

¹*Jagiellonian University*, ²*University of Finance and Management*

Descriptors: attention, vision, emotion

190. Temporal Dynamics of the Brain Response to Phobia-Relevant and Standard Emotional Visual Stimuli in Spider-Phobic Individuals

Jaroslaw M. Michalowski¹, Christiane A. Melzig², Almut I. Weike², Jessica Stockburger³, Herald T. Schupp³, & Alfons O. Hamm²

¹*University of Gdansk*, ²*University of Greifswald*,
³*University of Konstanz*

191. Elements of Formal Characteristic of Emotional Visual Stimuli Determining Their Attentional Advantage

Michal J. Kuniecki¹, Szymon Wichary², Szczepan Grzybowski¹, & Piotr Jaskowski³

¹*Jagiellonian University*, ²*Warsaw School of Social Psychology*, ³*University of Finance and Management*

192. Attention Can Be Captured by Neutral Masks

Piotr Jaskowski¹, & Anna Przekoracka-Krawczyk²

¹*University of Finance and Management*, ²*Adam Mickiewicz University*

193. Beta-Band EEG Activity as a Neuronal Correlate of Attention—Changes Related with Aging

Mateusz K. Gola¹, Jan Kaminski², Aneta Brzezicka¹, & Andrzej Wrobel²

¹*Warsaw School of Social Sciences and Humanities*,
²*Nencki Institute of Experimental Biology*

Poster Session III
Friday, October 23, 2009

Poster Session Schedule

8:00 A.M.–10:00 A.M.	Posters Assembled
10:00 A.M.–8:30 P.M.	Posters Available for Viewing
8:30 P.M.–10:30 P.M.	Authors Present for Discussion and Questions
10:30 P.M.–11:30 P.M.	Dismantle Posters

- 1. Right Ventrolateral Prefrontal Cortical Activity is Increased During Reward Anticipation in Euthymic Bipolar Adults**
 Robin Nusslock, Jorge R. Almeida, Erika E. Forbes, Amelia Versace, Edmund J. LaBarbara, Crystal Klein, & Mary L. Phillips
Western Psychiatric Institute and Clinic
- 2. Expending Cognitive Effort Leads to Emotional Dysregulation**
 Dylan D. Wagner & Todd F. Heatherton
Dartmouth College
- 3. Mismatch Negativity to Change in Azimuthal Position of Low-Frequency Noise Bursts in Free Field: Suggestion for an Over-Representation of Lateral Sound Sources Compared to Sound Sources in Front**
 Nicole Richter, Erich Schröger, & Rudolf RübSamen
University of Leipzig
- 4. Auditory Attention: Effects of Temporal and Spatial Expectation**
 Johanna Rimmel^{1,2}, Hajnal Jolsvai², & Elyse Sussman²
¹*University of Leipzig*, ²*Albert Einstein College of Medicine*
- 5. The Differential Role of Modality-Specific Working Memory Training in Learning Chinese as a Second Language**
 Julia A. Schneiders¹, Christoph Krick², & Axel Mecklinger¹
¹*Saarland University*, ²*Saarland University Hospital*
- 6. Effects of Temporally Unpredictable Contexts on Ambiguous Facial Expressions of Emotion**
 Caroline Davis, Maital Neta, & Paul J. Whalen
Dartmouth College

- 7. Extinction of Conditioned Fear Responses to Masked Stimuli**
Armita Golkar, Rasmus Berggren, Tina Lonsdorf,
Andreas Olsson, & Arne Öhman
Karolinska Institute
- 8. Oscillatory Brain Activity in the Time-Frequency Domain Associated to Change Blindness and Change Detection Awareness**
Álvaro Darriba¹, Paula Pazo-Álvarez¹, Almudena Capilla², & Elena Amenedo¹
¹*University of Santiago de Compostela*, ²*University of Glasgow*
- 9. Relating Visual Working Memory Capacity and Attentional Control in the Schizophrenia-Spectrum**
Veronica B. Perez¹, Judy M. Ford¹, Daniel H. Mathalon¹, & Edward K. Vogel²
¹*University of California, San Francisco*, ²*University of Oregon*
- 10. The Contribution of Affective Style to the Successful Downregulation of Pain: A Psychophysiological and Neuroimaging Investigation**
Regina C. Lapate¹, Tim V. Salomons¹, Hyejeen Lee¹, Carien M. van Reekum², Larry L. Greischar¹, & Richard J. Davidson¹
¹*University of Wisconsin, Madison*, ²*University of Reading*
- 11. Propranolol Blocks the Neural Signature of Unpleasant Memories: A Spatiotemporal EEG Analysis**
Mathias Weymar, Andreas Löw, Christiane Modess, Georg Engel, Matthias Gründling, Astrid Petersmann, Werner Siegmund, & Alfons O. Hamm
University of Greifswald
- 12. Bold-Responses to Repeated Stimulus Exposure in Animal Phobia**
Julia Wendt, Luise E. Schmidt, Almut I. Weike, & Alfons O. Hamm
University of Greifswald

- 13. Why Do Some Patients Escape While Others Don't? Autonomic Arousal But Not Subjective Reports Predicts Escaping Behaviour During a Behavioral Avoidance Test in High Anxious Panic Patients with Agoraphobia**
Jan Richter, Christiane A. Melzig, & Alfons O. Hamm
University of Greifswald
- 14. The Hidden Costs of Anxiety on Cognitive Performance: Implications for Attentional Control Theory**
Tahereh L. Ansari & Nazanin Derakshan
Birkbeck, University of London
- 15. The Effects of Naturalistic Stress and Serotonin Transporter (5-HTT) Genotype on Reward Responsiveness: Implications for Depression**
Yuliya S. Nikolova, Ryan Bogdan, & Diego A. Pizzagalli
Harvard University
- 16. Is the BDNF MET-Allele a Protective Factor for the 5-HTTLPR S-Allele Associated Reduction of Grey Matter Volume?**
Denise Doerfel¹, Annett Werner², Ruediger von Kummer², & Anke Karl³
¹Dresden University of Technology, ²Dresden University of Technology, University Hospital, ³University of Southampton
- 17. EEG Dynamics Underlying the P1 and N170 Face Effect**
James Desjardins & Sidney J. Segalowitz
Brock University
- 18. Smoking Cue Reactivity as a Laboratory Model of Short-Term Tobacco Abstinence**
Jeffrey M. Engelmann & Bruce N. Cuthbert
University of Minnesota
- 19. Sadness and Reward Sensitivity: Trait and State Mood Variables Impact the Magnitude of the Feedback Negativity**
Dan Foti & Greg Hajcak
Stony Brook University

- 20. Advance Movement Preparation in Hemiparetic Patients: Electrophysiological Indices**
Philip Dean, Ellen Seiss, & Annette Sterr
University of Surrey
- 21. An Electrophysiological Investigation of Glucose Administration Effects on Sensorimotor Processing in a Modified Eriksen Flanker Task**
Christopher Hope, Ellen Seiss, Philip Dean, & Annette Sterr
University of Surrey
- 22. The Influence of Color on the Perception of Briefly Presented Emotional Scenes**
Maurizio Codispoti, Vera Ferrari, & Andrea De Cesarei
University of Bologna
- 23. Indexing Externalizing Psychopathology as a Multivariate Physiological Phenotype**
Lindsay D. Nelson, Christopher J. Patrick, & Edward M. Bernat
University of Minnesota
- 24. Alcohol Placebo Selectively Increases the Feedback-Related Negativity in a Gambling Task**
Lindsay D. Nelson¹, Edward M. Bernat¹, Alan R. Lang², & Christopher J. Patrick¹
¹*University of Minnesota*, ²*Florida State University*
- 25. Fronto-Striato-Limbic Hyperactivation in Obsessive-Compulsive Disorder During Individually Tailored Symptom Provocation**
Daniela Simon, Christian Kaufmann, Kathrin Muesch, Eva Kischkel, & Norbert Kathmann
Humboldt University, Berlin
- 26. Reduction of Pathological Inhibition of Cortical Reactivity to Aversive Stimuli in Visual Sensory Areas in PTSD Through Exposure Therapy**
Hannah Adenauer¹, Claudia Catani², Julian Keil¹, Hannah Aichinger¹, Martina Ruf¹, & Frank Neuner²
¹*University of Konstanz*, ²*University of Bielefeld*

- 27. Methylphenidate Modulates Sensorimotor Integration as Reflected by Neuroelectric Oscillations in a Go/Nogo Task**
Yordan Hodzhev¹, Juliana Yordanova¹, Martin Diruf², Oliver Kratz², Vasil Kolev¹, & Hartmut Heinrich^{2,3}
¹*Institute of Neurobiology, Bulgarian Academy of Sciences*, ²*University of Erlangen*, ³*Heckscher Hospital*
- 28. Gender-Specific Development of Auditory Information Processing in Children: Time-Frequency Analysis**
Plamenka Nanova, Vasil Kolev, Laura Lyamova, & Juliana Yordanova
Institute of Neurobiology, Bulgarian Academy of Sciences
- 29. Event-Related Potentials to Schematic Spiders and Flowers in a Change Detection Task**
Nathalie Peira, Joakim Norberg, & Stefan Wiens
Stockholm University
- 30. Dissociation of Psychological and Cardiovascular Caffeine Effects in High and Low Anxiety Sensitive Caffeine Users**
Jan P. Stender¹, Christiane A. Melzig¹, Christiane Modess¹, Terry Blumenthal², & Alfons O. Hamm¹
¹*University of Greifswald*, ²*Wake Forest University*
- 31. The Influence of Emotion on Respiratory-Related Evoked Potentials**
Andreas von Leupoldt¹, Andrea Vovk², Margaret M. Bradley², Andreas Keil², Peter J. Lang², & Paul W. Davenport²
¹*University of Hamburg*, ²*University of Florida*
- 32. The Impact of Emotion on the Perception of Dyspnea in Patients with Chronic Obstructive Pulmonary Disease**
Andreas von Leupoldt¹, Karin Taube², Maren Henkhus¹, Helgo Magnussen³, & Bernhard Dahme¹
¹*University of Hamburg*, ²*Atem-Reha Hamburg*, ³*Pulmonary Research Institute at Hospital Grosshansdorf*
- 33. Down Regulation of Insular Cortex Activity During Dyspnea and Pain in Asthma**
Andreas von Leupoldt¹, Tobias Sommer², Falk Eippert², Sarah Kegat¹, Hans J. Baumann², Hans Klose², Bernhard Dahme¹, & Christian Buechel²
¹*University of Hamburg*, ²*University Medical Center Hamburg-Eppendorf*

- 34. Decline of the Visual ERP During Thinking**
Akihiro Yagi¹, Atsushi Noritake², Shinpei Nagae¹, & Tomomi Shikata¹
¹*Kwansei Gakuin University*, ²*Kansai Medical University*
- 35. Potentiation of the Acoustic Startle Reflex During Imagery of Self-Esteem Violating Scenes in Patients with Borderline Personality Disorder**
Anke Limberg¹, Sven Barnow², Harald J. Freyberger¹, & Alfons O. Hamm¹
¹*University of Greifswald*, ²*University of Heidelberg*
- 36. Natural Image Statistics and Brain Potentials**
Andreas Löw, Mathias Weymar, & Alfons O. Hamm
University of Greifswald
- 37. Anticipation of Interoceptive Threat—An fMRI Study**
Katharina Holtz, Christiane A. Melzig, Julia Wendt, Martin Lotze, & Alfons O. Hamm
University of Greifswald
- 38. Using Reappraisal or Response Modulation to Increase and Decrease Emotional Responses: An fMRI Study**
Elisa C. K. Steinfurth, Julia Wendt, & Alfons O. Hamm
University of Greifswald
- 39. Gestational Age Predicts Neonatal Startle Eye Blink**
Harriet J. Huggenberger¹, Susanne E. Suter¹, Terry Blumenthal², & Hartmut Schachinger³
¹*University of Basel*, ²*Wake Forest University*, ³*University of Trier*
- 40. Error-Related Negativity and Feedback-Related Negativity in Obsessive-Compulsive Undergraduates**
Emily M. Stanley & Robert F. Simons
University of Delaware
- 41. Dissociable Roles for Empathy and Sympathy in Willingness to Share: An fMRI Study**
K. Richard Ridderinkhof¹, Johannes Fahrenfort¹, Ben Pelloux², & Frans Van Winden²
¹*University of Amsterdam*, ²*University of Amsterdam, Centre for Research in Experimental Economics and Political Decision-Making*

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- 42. The N400 as a Specific Index of the Saussurean Arbitrariness Point in Word Recognition**
Aniela I. Franca¹, Miriam Lemle¹, Aline R. Gesualdi²,
Mauricio Cagy³, & Antonio C. Infantesi¹
¹Federal University of Rio de Janeiro, ²Federal Centers of
Technological Education (CEFET), ³Fluminense Federal
University
- 43. Putting Syntactic Tabs on Semantic Relatedness: An ERP Study of Brazilian Portuguese Words**
Juliana N. Gomes¹, Aniela I. Franca¹, Maurício Cagy²,
& Antonio C. Infantesi¹
¹Federal University of Rio de Janeiro, ²Fluminense Federal
University
- 44. Cardinality and Syntax: A Behavioral and an ERP Study of Two Interacting Computations**
Aniela I. Franca¹, Miriam Lemle¹, Maurício Cagy², &
Antonio C. Infantesi¹
¹Federal University of Rio de Janeiro, ²Fluminense Federal
University
- 45. Unilateral Hand Contractions and Responses to Cyberball: The Role of Asymmetrical Frontal Cortical Activity in How We React to Ostracism**
Carly K. Peterson, Kim Hawkins, & Eddie Harmon-
Jones
Texas A&M University
- 46. Motivational Body Postures Lean Toward Left Frontal Brain Activity**
Tom F. Price, Carly K. Peterson, & Eddie Harmon-
Jones
Texas A&M University
- 47. Psychophysiological Evidence for Violent Video Games Impairing Cognitive Control**
Christopher R. Engelhardt, J. Scott Sauls, Eddie A.
Vasquez, Bryson E. King, & Bruce D. Bartholow
University of Missouri—Columbia
- 48. The Neural Sources of the Face-Sensitive N170 Event-Related Potential**
Esther Alonso-Prieto¹, Stéphanie Caharel¹, Laurence
Dicrot¹, Ernesto Palmero-Soler^{1,2}, & Bruno Rossion¹
¹Catholic University of Leuven, ²Advanced Neuro
Technology

- 49. Recognizing an Individual Face: 3D Shape Contributes Earlier Than 2D Surface Reflectance Information**
Stéphanie Caharel¹, Fang Jiang¹, Volker Blanz², & Bruno Rossion¹
¹*Catholic University of Leuven*, ²*University of Siegen*
- 50. Electrophysiological Evidence of Attentional Bias for Alcohol Cues in Social Drinkers Differing in Alcohol Sensitivity**
Eunsam Shin, Sarah A. Lust, Erika A. Henry, & Bruce D. Bartholow
University of Missouri–Columbia
- 51. 5-HTTLPR, TPH2-703G/T and the Neural Basis of Emotion Regulation**
Andrea Hermann¹, Katharina Tabbert¹, Yvonne Küpper², Anja Schmitz³, Dieter Vaitl¹, Jürgen Hennig², & Rudolf Stark¹
¹*Bender Institute of Neuroimaging, University of Giessen*, ²*University of Giessen*, ³*Section on Developmental Genetic Epidemiology, National Institutes of Mental Health*
- 52. Ugh! Disgust Conditioning and the Influence of Individual Differences**
Tim Klucken, Jan Schweckendiek, Dieter Vaitl, & Rudolf Stark
Bender Institute of Neuroimaging, University of Giessen
- 53. Testing Basic Assumptions of the Concealed Information Test**
Vanessa Thompson, Sarah Stevens, & Stephen D. Benning
Vanderbilt University
- 54. The Influence of Trait Absorption on Emotional Picture and Acoustic Startle Processing: Evidence from ERPs**
Melville M. Malone & Stephen D. Benning
Vanderbilt University
- 55. Reduced Appetitive Postauricular Reflex Potentiation in Depressed Undergraduates**
Stephen D. Benning
Vanderbilt University

- 56. Mental Coaching During Flight Training of Military Student Pilots: Effects on Subjective Stress Perception, Flight Performance and Cortisol Levels**
Nathalie Pattyn^{1,2}, Sharon Arcay², & Raymond Cluydts¹
¹Vrije University Brussel, ²Royal Military Academy
- 57. Monitoring an Antarctic Summer Expedition: How Constant Illumination and Physical Activity Affect Mood, Cognitive Performance and Sleep-Wake Regulation**
Nathalie Pattyn^{1,2}, Elke De Valck¹, Aisha Cortoos¹, Sandra Pirrera¹, Xavier Neyt², & Raymond Cluydts¹
¹Vrije University Brussel, ³Royal Military Academy
- 58. Impact of Age on Basal Activity of Salivary Alpha-Amylase**
Jana Strahler¹, Antje Tietze¹, Clemens Kirschbaum¹, & Nicolas Rohleder²
¹Dresden University of Technology, ²Brandeis University
- 59. Central Pain Processing After Repetitive Intramuscular Proton/Prostaglandin E2 Injections in Fibromyalgia Syndrome and Healthy Controls**
Mariela Rance¹, Martin Diers¹, Marcus T. Schley², Pinar Yilmaz¹, Martin Schmelz², & Herta Flor¹
¹Central Institute of Mental Health, ²University of Heidelberg
- 60. The P300- Brain-Computer Interface Browser: A Muscle-Independent Surfing Tool for Paralyzed People**
Carolin Ruf¹, Emily Mugler¹, Sebastian Halder¹, Michael Bensch², & Andrea Kübler³
¹Institute of Medical Psychology and Behavioral Neurobiology, University of Tübingen, ²Wilhelm-Schickard-Institute for Computer Science, University of Tübingen, ³University of Würzburg
- 61. Afferent Feedback Influences for an On-Line BCI for Stroke Rehabilitation**
Ander Ramos¹, Ernesto S. Soares¹, Manuel Agostini², Doris Broetz¹, Boris Benkner¹, Massimiliano Rea¹, Sebastian Halder¹, Andrea Caria¹, Surjo Soekader³, & Niels Birbaumer¹
¹University of Tübingen, ²University of Freiburg, ³University Hospital Tübingen

- 62. The Role of Top-Down Task Set for Attentional Capture in Visual Search**
Monika Kiss & Martin Eimer
Birkbeck, University of London
- 63. The Integration of Perceptual and Working Memory Representations: Evidence from Lateralized ERP Components**
Silvia Dalvit & Martin Eimer
Birkbeck, University of London
- 64. Cardiac Autonomic Function and Response Control Deficits in Older Adults**
Lesley J. Capuana, Jane Dywan, William J. Tays, & Sidney J. Segalowitz
Brock University
- 65. N170 is Sensitive to Several Factors Important for Differentiating Individual Faces**
Xin Zheng, Mark D. Vida, Catherine J. Mondloch, & Sidney J. Segalowitz
Brock University
- 66. ERP Correlates of Emotional Face Processing in Psychopathy**
Meghan J. Weissflog¹, Sidney J. Segalowitz¹, Gillian E. S. Munro², & Jane Dywan¹
¹*Brock University*, ²*MIND Research Network*
- 67. Processing Reward Magnitude and Valence: Dissociations and Individual Differences in the FRB and P300**
Angela Dzyundzyak, Diane L. Santesso, & Sidney J. Segalowitz
Brock University
- 68. Does Target Letter Position Affect ERP Amplitudes and Classification Accuracy in the P300 Based BCI? Implications of a Principal Component Analysis**
Siri-Maria Kamp, Ty Brumback, Yael Arbel, & Emanuel Donchin
University of South Florida
- 69. Identifying the Functional Role of the Interference-Elicited Medial Frontal Negativity**
William J. Tays, Jane Dywan, & Sidney J. Segalowitz
Brock University

- 70. Frontal EEG Asymmetry in Highly Aggressive 5–6 Year Old Girls**
Michelle K. Jetha^{1,2}, Sidney J. Segalowitz², & Lisa Gatzke-Kopp¹
¹*Pennsylvania State University*, ²*Brock University*
- 71. I Am Positive I Am Going to Be Correct: Correct Responses are Foreshadowed by Increased Positivity in a Low Interference Task**
Hiroaki Masaki¹, Timothy I. Murphy², Keita Kamijo³, & Katuo Yamazaki¹
¹*Waseda University*, ²*Brock University*, ³*Japan Society for the Promotion of Science*
- 72. The Effect of Sleepiness on Reward-Related Electrophysiological Activity During a Gambling Task**
Timothy I. Murphy, Diane L. Santesso, Dirk B. H. Homan, Warren Tilbrook, & Cassandra Lowe
Brock University
- 73. Vagal Reactivity to Stress in Sexually Revictimized Women**
Michelle A. Patriquin, Angela Scarpa, & Kristy E. Benoit
Virginia Polytechnic Institute and State University
- 74. Error-Related Brain Activity in Individuals with Major Depressive Disorder**
Doreen M. Olvet & Greg Hajcak
Stony Brook University
- 75. Spatial Attention and Anxiety Moderate the Late Positive Potential**
Annmarie MacNamara & Greg Hajcak
Stony Brook University
- 76. Fear Generalization as a Function of BDNF and 5-HTTLPR Polymorphisms**
Jonathan P. Dunning¹, Claude Castille¹, Doreen M. Olvet¹, Eli Hatchwell², & Greg Hajcak¹
¹*Stony Brook University*, ²*Stony Brook University Hospital*
- 77. Old-New ERP Effect During Explicit and Implicit Recognition of Affective Pictures**
Vera Ferrari¹, Margaret M. Bradley¹, Marie Karlsson¹, Maurizio Codispoti², & Peter J. Lang¹
¹*University of Florida*, ²*University of Bologna*

- 78. Understanding Intra-Individual Variability in Autonomic and ERP Measures**
Sarah L. Karalunas, Lisa Gatzke-Kopp, & Cynthia L. Huang-Pollock
Pennsylvania State University
- 79. Profiling Within-Group Heterogeneity Using Psychophysiological Markers**
Kathleen M. Gates, Lisa M. Gatzke-Kopp, & Nilam Ram
Pennsylvania State University
- 80. Indexing Cognitive Control Processes in a Stroop Task Using Time-Frequency Decomposition of Event-Related Potentials**
Lacy A. Olson¹, Lindsay Nelson², Edward Bernat¹, & Christopher J. Patrick¹
¹*Florida State University*, ²*University of Minnesota*
- 81. Appraisals and Skin Conductance in Response to Four Emotional Expressions Across Physiognomic Categories**
Augusta D. Gaspar & Francisco G. Esteves
Instituto Superior de Ciências do Trabalho e da Empresa (ISCTE)
- 82. Cardiovascular Activity and Process of Change In Nicotine Withdrawal**
Sasha D. Jaquez¹, Jared P. Dempsey¹, Ashley N. Junghans¹, Kasey R. Claborn¹, Jason Kaplan¹, William Lechner¹, & Lee M. Cohen²
¹*Oklahoma State University*, ²*Texas Tech University*
- 83. The Default Network: Not So Default**
Brian A. Gordon¹, Carrie Brumback², Gabriele Gratton¹, & Monica Fabiani¹
¹*University of Illinois, Urbana-Champaign*, ²*University of California, Irvine*
- 84. Neural Substrates of Ambiguity Resolution: Individual Differences in Response to Surprised Facial Expressions**
Maital Neta, M. Justin Kim, Catherine J. Norris, & Paul J. Whalen
Dartmouth College

-
- 85. Movement Correction in Optical Data; Comparison Between Feature Based and Principal Component Based Approach**
Nils Schneider-Garces, Ed Maclin, Gabriele Gratton, & Monica Fabiani
University of Illinois, Urbana-Champaign
- 86. EEG-Derived Biomarkers for Daytime Sleepiness in Patients with Chronic Stroke**
Katherine Herron, Derk-Jan Dijk, Philip Dean, Ellen Seiss, & Annette Sterr
University of Surrey
- 87. Fuzzy Picture Processing: Effects of Size Reduction and Blurring on Emotional Reactions**
Andrea De Cesarei & Maurizio Codispoti
University of Bologna
- 88. Making Sense of Hemispheric Differences in Meaning Apprehension**
Padmapriya Kandhadai & Kara D. Federmeier
University of Illinois, Urbana-Champaign
- 89. Interacting Effects of Lexical Variables on Language-Sensitive ERPs at the Single-Item Level**
Sarah Laszlo, Pablo Anaya, & Kara D. Federmeier
University of Illinois, Urbana-Champaign
- 90. On the Functional Nature of the N400: The Lexical Interference Created by Neighbor Frequency Effects**
Nicola Molinaro¹, Markus Conrad², Manuel Carreiras³, & Horacio Barber¹
¹*University of La Laguna*, ²*Free University of Berlin*,
³*Basque Center on Cognition, Brain and Language*
- 91. ERP Parafoveal-on-Foveal Effects During Sentence Reading**
Horacio A. Barber¹, Nuria Doñamayor², Marta Kutas³, & Thomas Münte²
¹*University of La Laguna*, ²*Otto von Guericke University*,
³*University of California, San Diego*
- 92. ERP Effects of Code Switches in Late Second Language Learners When Reading**
Maartje van der Meij¹, Manuel Carreiras², & Horacio A. Barber¹
¹*University of La Laguna, Spain*, ²*Basque Center on Cognition, Brain and Language*

- 93. The Effect of Frequency Change Detection in the Auditory Brainstem and Middle Latency Responses**
Lavinia Slabu, Sabine Grimm, Jordi Costa-Faidella, & Carles Escera
University of Barcelona
- 94. Ultrafast Novelty Detection in the Human Auditory System**
Sabine Grimm, Lavinia Slabu, Jordi Costa-Faidella, & Carles Escera
University of Barcelona
- 95. Neural and Behavioral Effects of Tryptophan Depletion on Emotive Facial Processing in Depression-Prone Individuals**
Natalia Jaworska^{1,2}, Andrea Thompson³, Dhrasti K. Shah^{2,3}, Jud McIntosh¹, Crystal M. Villeneuve^{2,3}, Derek J. Fisher^{2,3}, & Verner J. Knott^{1,2,3}
¹*University of Ottawa*, ²*Institute of Mental Health Research*, ³*Carleton University*
- 96. Startle Blink Deficits in Psychopathy are Uniquely Associated with Interpersonal-Affective Traits**
Uma Vaidyanathan, Edward M. Bernat, Jason R. Hall, & Christopher J. Patrick
University of Minnesota
- 97. Using Time-Frequency Analysis to Disentangle Processes in a Cued Go/No-Go Task**
Vaughn R. Steele, Edward M. Bernat, William L. Schoeppner, & Christopher J. Patrick
University of Minnesota
- 98. Reduced P300 Amplitude in Criminal Psychopathy is Related to Externalizing Tendencies: Evidence from a Simulated Gambling Task**
Noah C. Venables, Justin L. Jobelius, Lindsay D. Nelson, Edward M. Bernat, & Christopher J. Patrick
University of Minnesota
- 99. Psychopaths Show Deficits in Subconscious Processing of Fear Faces**
Robert W. Shannon, Noah Venables, Justin Jobelius, Edward Bernat, Sheng He, & Christopher Patrick
University of Minnesota

100. Response Inhibition and Error Detection Relate to Impulsiveness

Wen-Pin Chang¹, William J. Gavin², & Patricia L. Davies²

¹University of Indianapolis, ²Colorado State University

101. Changing Perceptual Load in Visual Flanker Tasks Affects ERN Amplitude

William J. Gavin & Patricia L. Davies

Colorado State University

102. Reliability of ERN in Adults Performing a Visual Flanker Task

William J. Gavin & Patricia L. Davies

Colorado State University

103. Reliability of ERN in Children Performing a Visual Flanker Task

Patricia L. Davies & William J. Gavin

Colorado State University

104. This is Your Brain on Ads: Adolescents' Responses to Anti-Drug Television Advertisements

Daniel J. Goldman¹, Brittany R. L. Duff², Michelle A. Roth¹, Julia K. Langer¹, & Bruce N. Cuthbert¹

¹University of Minnesota, ²University of Illinois

105. Put it in Context: The Interaction of Affective Oddballs with Emotional Context

Daniel J. Goldman, Julia K. Langer, Scott J. Burwell, & Bruce N. Cuthbert

University of Minnesota

106. EEG Asymmetry Patterns in Individuals with High and Low Trait Anxiety

Antonia Kaczurkin, Bruce N. Cuthbert, & William G. Iacono

University of Minnesota

107. Do We Care About the Powerless Third? An EEG Study About Social Interaction in Economic Decision Making

Johanna Alexopoulos, Daniela Pfabigan, Florian P. S. Fischmeister, & Herbert Bauer

University of Vienna

108. Autonomic Reactivity as Marker of Individual Attitude to a Violent Event: Role of Psychoticism in Appraisal Processes

Nadezhda E. Lysenko & Dmitry M. Davydov
Moscow Research Center of Narcology

109. Baroreflex Loop Components, Blood Pressure Dipping, and Daily Mood

Dmitry M. Davydov¹ & David Shapiro²
¹*Moscow Research Center of Narcology*, ²*University of California, Los Angeles*

110. Postural Blood Pressure, Mood Regulation, and Life Stress

Dmitry M. Davydov¹ & Karen Ritchie²
¹*Moscow Research Center of Narcology*, ²*French National Institute for Health and Medical Research (INSERM)*

111. Error Processing, Task Difficulty and Motivation in Schizophrenia: An Event-Related fMRI Study Using a Speeded Flanker-Task

Alexander M. Nitsch, Johannes Hewig, Thomas Hiller, Wolfgang H. R. Miltner, & Thomas Straube
Institute of Psychology, Friedrich Schiller University of Jena

112. Detecting Recognition of Familiarity in Faces Using SCR in a Patient with Minimally Conscious State (MCS)

Maria L. Bringas¹, Margarita Baez¹, Elizabeth Fernandez¹, & Iliana Quiñones²
¹*International Center for Neurological Rehabilitation*,
²*Cuban Neuroscience Center*

113. Directed Attention to Auditory, Tactile or Visual Stimuli Activates Modality-Specific Sensory Cortices and a Common Fronto-Parietal Network in the Absence of Stimulation

Robert Langner¹, Thilo Kellermann¹, Frank Boers², Walter Sturm¹, Klaus Willmes¹, & Simon B. Eickhoff²
¹*RWTH Aachen University*, ²*Jülich Research Center*

114. Effect of Willingness on Deceptive and Honest Responses in a Two-Stimulus Paradigm: An ERP Study

Wu Hai-Yan, Fu Genyue, & Hu Xiaoqing
Zhejiang Normal University

- 115. The Effects of Early Deprivation on the Psychophysiology of Affective Processing During Adolescence**
Karina Quevedo¹, Anna Johnson², Michelle Loman², Theresa Lafavor², & Megan Gunnar²
¹*Western Psychiatric Institute and Clinic*, ²*University of Minnesota*
- 116. Interaction Effects Between Location and Direction of Stimulus in Three Stimulus-Response Compatibility Tasks**
Jesús St. Cespón, Santiago Galdo, & Fernando Diaz
University of Santiago de Compostela
- 117. Event-Related Potentials in a Color-Word Stroop Task: Aging Effects**
Montserrat Zurrón, Fernando Díaz, Mónica Lindín, & Santiago Galdo
University of Santiago de Compostela
- 118. Applied Tension and Blood Donation Reactions: The Role of Anxiety**
Crystal D. Holly & Blaine Ditto
McGill University
- 119. Vasovagal Syncope and Applied Tension in the Blood Donation Setting: The Role of Anxiety**
Crystal D. Holly, Lindsey Torbit, & Blaine Ditto
McGill University
- 120. Modification of Threat Processing in Non-Anxious Individuals: An ERP Study**
Jenna N. Goldstein¹, Lauren K. White¹, Ross E. Vanderwert¹, Yair Bar-Haim², & Nathan A. Fox¹
¹*University of Maryland, College Park*, ²*Tel Aviv University*
- 121. Alpha Amylase Reactivity to Written Emotional Disclosure**
Andrea Konig, Wendy L. Kliever, Alison M. Eonta, Stephanie R. Pitts, & Scott R. Vrana
Virginia Commonwealth University
- 122. Emotional Regulation Through Focused Attention: An Event-Related Potentials Study**
Jonas K. Olofsson¹, Gilles Pourtois², & Stefan Wiens¹
¹*Stockholm University*, ²*Ghent University*

- 123. Affective Reactions in Financial Decision-Making: The Case of Professional Traders**
Ottaviani Cristina, Borlimi Rosita, Nucifora Valeria, & Brighetti Gianni
University of Bologna
- 124. The Impact of Cold Pressor Stress on Voice Pitch (F0)**
Debora E. Plein, André Schulz, Steffen Richter, & Hartmut Schächinger
Institute of Psychobiology, University of Trier
- 125. Confounding Influences on Long-Term Electrodermal Recording**
Sigrun Doberenz, Sunyoung Kim, Eileen Wollburg, Nina I. Maslowski, & Walton T. Roth
Stanford University & VA Palo Alto Health Care System
- 126. Implicit Memory and Autonomic Reactivity in an Adult Complex Trauma Sample**
Wendy M. D'Andrea¹ & Nnamdi Pole²
¹*Trauma Center at JRI/Boston University*, ²*Smith College*
- 127. Can Implicit Measures Contribute to the Prediction of Avoidance Behaviour and Physiological Fear Responses Towards Spiders?**
Bram Van Bockstaele, Geert Crombez, Bruno Verschuere, Ernst H. W. Koster, & Jan De Houwer
Ghent University
- 128. Effects of Biofeedback on Skin Conductance and Heart Rate in Depersonalization Disorder**
Poppy L. A. Schoenberg, Mauricio Sierra-Siegert, & Anthony S. David
Institute of Psychiatry, King's College London
- 129. Depression and Biased Attention: Evidence from Skin Conductance Responses**
Catarina Silva¹, Ana Ferreira¹, Isabel Soares², & Francisco Esteves¹
¹*Lisbon University Institute*, ²*University of Minho*
- 130. Effects of Exposure to Natural Sounds and Environmental Noise on Physiological Stress Recovery**
Jesper J. Alvarsson, Mats E. Nilsson, & Stefan Wiens
Stockholm University

- 131. Cardiac Sympathetic Activity is Not Influenced by Depression But by Antidepressants**
Carmilla M. M. Licht¹, Brenda W. J. H. Penninx¹, & Eco J. C. de Geus²
¹*Vrije University–Amsterdam Medical Center*, ²*Vrije University–Amsterdam*
- 132. Habituation Rate and ADHD Subtype in a Large Sample of Preadolescent Children**
Ian McLaughlin, Daniel Bedford, Scott Burwell, Micah Hammer, Dragana Vidovic, Casey S. Gilmore, Stephen M. Malone, & William G. Iacono
University of Minnesota
- 133. Differentiating Orienting and Defensive Responses to Concealed Information: The Role of Verbalization**
Bruno Verschuere, Geert Crombez, Lieselot Smolders, & Armand De Clercq
Ghent University
- 134. Palmar and Plantar Skin Conductance Responses to Stimulus Repetition and Stimulus Change**
Gerhard Vossel¹, Matthias Gamer², & Martina Flörchinger¹
¹*Johannes Gutenberg-Universität Mainz*,
²*Universitätsklinikum Hamburg-Eppendorf*
- 135. Can Autonomic Cardiovascular Regulation Profit from Aerobic Exercise and Heartrate-Variability-Biofeedback?**
Lutz Mussgay & Heinz Rüdell
St.-Franziska-Stift Bad Kreuznach
- 136. Body Signals Influence the Perception of Time**
Karin Meissner¹, & Marc Wittmann²
¹*Ludwig-Maximilian University of Munich*, ²*University of California, San Diego*
- 137. Polygraph Induced Disclosure is Related to Interoceptive Awareness**
Ewout H. Meijer, Tom Smeets, & Glynis Bogaard
Maastricht University
- 138. Neural Mechanisms of Intermodal Sustained Selective Attention with Concurrently Presented Auditory and Visual Stimuli in the Human Brain**
Katja Saupe, Erich Schröger, Søren K. Andersen, & Matthias M. Müller
University of Leipzig

- 139. Behavioral and Electrophysiological Endophenotypes of the COMT and DRD2 Gene-Gene Interaction Reveal Human Variability in Distraction and Novelty Processing**
Manuel Garcia-Garcia, Iria SanMiguel, Immaculada C. Clemente, & Carles Escera
University of Barcelona
- 140. Temporal Cuing Enhances the Auditory N1**
Alexa Lampar & Kathrin Lange
Heinrich-Heine-University of Duesseldorf
- 141. Assessing the Construct Validity of Attentional Modification of Prepulse Inhibition of Startle Among Children with Attention-Deficit/Hyperactivity Disorder**
Jessica D. Rhodes, Rebecca L. Ashare, Keri Shiels, & Larry W. Hawk
University at Buffalo, SUNY
- 142. Differences in Gray Matter Volume Associated with Insight Meditation: A Voxel-Based Morphometry Study**
Lucas D. Eggert¹, Britta K. Holzel², Markus R. Quirin¹, Jens C. Pruessner³, & Sara W. Lazar²
¹*University of Osnabrueck*, ²*Massachusetts General Hospital*, ³*McGill Centre for Studies in Aging*
- 143. Effects of Biased Competition on Parafoveally Presented Flickering Stimuli**
Christian Keitel, Søren K. Andersen, & Matthias M. Müller
University of Leipzig
- 144. Are Feature-Selective and Spatial Attention Independent?**
Søren K. Andersen¹, Steven A. Hillyard², & Matthias M. Müller¹
¹*University of Leipzig*, ²*University of California, San Diego*
- 145. Event-Related Brain Potential Indices of Selective Listening to Timbre and Pitch**
Kimmo Alho¹, Ville Villberg², Sebastian Cederström¹, István Winkler³, Elyse S. Sussman⁴, & Teemu Rinne¹
¹*University of Helsinki*, ²*Kuopio University Hospital*, ³*Hungarian Academy of Sciences*, ⁴*Albert Einstein College of Medicine of Yeshiva University*

- 146. Electroencephalographic Measurement of Manual Pointing in Visually Guided Compound Search**
Thomas Toellner¹, Hermann Mueller², Howard Poizner³, Scott Makeig³, & Klaus Gramann³
¹Ludwig-Maximilian-University of Munich, ²Birkbeck College, University of London, ³University of California, San Diego
- 147. Effect of Attention on Cortical Processing of Sound Motion: An EEG Study**
Stephan Getzmann¹ & Jens Kreitewolf²
¹Leibniz Research Centre for Working Environment and Human Factors, ²Ruhr-University Bochum
- 148. The Effect of Music Tempo and Intensity on Visual Selective Attention**
Frances H. Martin & Isobel C. Ludford
University of Tasmania
- 149. Modulating the Left-Hemifield Bias in Rapid Serial Visual Presentation by Repetitive Transcranial Magnetic Stimulation**
Kamila Smigajewicz¹, Rolf Verleger¹, Friderike Moller¹, Michal Kuniecki², Sergiu Groppa³, & Hartwig R. Siebner⁴
¹The University Lübeck, ²Jagiellonian University, ³Christian-Albrechts University of Kiel, ⁴Danish Research Centre for Magnetic Resonance, Hvidovre University Hospital
- 150. Neural Correlates of the Emotional Attentional-Blink Effect: A Combined EEG-fMRI Study**
Ralf H. Trippe, Holger Hecht, Johannes Hewig, Lars Fichtner, & Wolfgang H. R. Miltner
Friedrich Schiller University of Jena
- 151. Inter-Individual Differences in Change Blindness**
Andrea Schankin¹, Dirk Hagemann¹, & Edmund Wascher²
¹University of Heidelberg, ²Leibniz Research Centre for Working Environment and Human Factors
- 152. Dynamic Modulation of Brain Activation in Response to Varying Degrees of Top-Down/Bottom-Up Processing Conflict**
René Westerhausen, Stein-Ove Belsby, Matthias Moosmann, Karsten Specht, & Kenneth Hugdahl
University of Bergen

153. Attentional Control After Distraction is Modulated by the Emotional Context

Stefan Berti

*Johannes Gutenberg University Mainz***154. Does Stimulus-Induced Temporal Orienting Always Attenuate Early Auditory Processing?**

Kathrin Lange

*Heinrich Heine University of Duesseldorf***155. EEG Correlates of Forced Attention to Visual and Auditory Presentation of Narrative Texts**

Sergey G. Danko & Julia A. Boytsova

*Institute of the Human Brain, Russian Academy of Sciences***156. Forced and Non-Forced Attention in a Dichotic Listening Paradigm with Different Inter-Aural Sound Intensity Levels: An Oscillatory EEG Study**Julia Boytsova¹, Sergey Danko¹, Maxim Kireev¹, Svjatoslav Medvedev¹, Heikki Hämäläinen², Kimmo Alho³, & Kenneth Hugdahl⁴¹*Institute of the Human Brain, Russian Academy of Sciences*, ²*University of Turku*, ³*University of Helsinki*, ⁴*University of Bergen***157. The Wandering Eye of Men: An Electrophysiological Investigation into Distraction by Attraction**

Johanna C. Van Hooff, Helen Crawford, & Mark Van Vugt

*University of Kent***158. Effects of Experience on a Threat Detection Task**Vladimir Zotov¹, Jocelyn Keillor¹, Michael Chen², Elena Scourtoudis¹, Jerzy Jarmasz¹, & Stephen Boyne¹¹*Defence Research and Development Canada—Toronto*, ²*University of Waterloo***159. The Role of the Dopamine Transporter DATL Genotype on the Neural Mechanisms of Cognitive Flexibility**Manuel Garcia-Garcia¹, Francisco Barceló²,Immaculada C. Clemente¹, & Carles Escera¹¹*University of Barcelona*, ²*University of Balearic Islands***160. Viewing Fingers of the Same Hand Can Disturb Tactile Attentional Selection**

Bettina Forster & Helge Gillmeister

City University London

- 161. Distractors in BCI: Can Harmful Commands Be Activated Automatically?**
Sergei L. Shishkin¹, Ivan A. Basyul^{1,2}, & Alexander Ya Kaplan¹
¹*M.V. Lomonosov Moscow State University*, ²*N.I. Lobachevsky State University of Nizhni Novgorod*
- 162. Rhythmical Muscle Tension and Resonance in the Cardiovascular System**
Alex Vaschillo¹, Anton Manyak², & Marsha E. Bates³
¹*Redmond High School, Washington*, ²*University of Washington*, ³*Rutgers, The State University of New Jersey*
- 163. The Association Between Energy Level and Blood Pressure Response to a Visual Scanning Task Varies Across Low and Moderate Levels of Difficulty**
Christopher C. Stewart¹, Rex A. Wright¹, Siu-kuen A. Hui¹, Angel Simmons¹, & Richard J. Contrada²
¹*University of Alabama at Birmingham*, ²*Rutgers—The State University of New Jersey*
- 164. Direct and Indirect Stereotype Threats Both Affect Heart Rate on Spatial Reasoning Tasks**
Martha A. Rotzoll, Stephanie J. Wilson, Erika K. Reckert, Alexandra M. Nobel, Elizabeth Lee Berry, Sarah E. Barowka, & Jeffrey J. Sable
Rhodes College
- 165. The Effects of Perseverative Cognition on Cardiovascular Regulation in a Healthy College Student Sample: Ethnic Differences**
LaBarron K. Hill, John J. Sollers, III, & Julian F. Thayer
The Ohio State University
- 166. Physiological Predictors of Executive Functioning in Everyday Contexts**
Stefan Sutterlin¹, Claus Vogele², & Stein Andersson³
¹*University of Würzburg*, ²*Roehampton University London*, ³*Rikshospitalet University Hospital*
- 167. Behavioral and Cardiovascular Responses to Frustration During Block Design and Simulated Driving Tasks in Young Adults With and Without Attention Disorder Symptoms**
Michele L. Oliver, Richard W. Backs, & Nicholas D. Cassavaugh
Central Michigan University

- 168. Cardiac PEP Responding to Incentives Among Children Predicts Levels of Alcohol Use 3 Years Later**
Theodore P. Beauchaine & Sharon L. Brenner
University of Washington
- 169. Reduction in Pain Sensitivity Due to Pharmacological Blood Pressure Elevation in Chronically Low Blood Pressure**
Stefan Duschek, Heike Heiss, Natalie Werner, & Rainer Schandry
University of Munich
- 170. The Relationship of Aggressive Behavior to Cardiovascular and HPA Axis Activity**
Robina Khan¹, Alex Bender¹, Katja Bertsch¹, Menno R. Kruk², Steffen Richter¹, & Ewald Naumann¹
¹*University of Trier*, ²*Leiden University*
- 171. Evaluation of Workload Changes During an Aviator Selection Test Battery**
Jason D. Moss¹, Alexander D. Walker¹, Karin Meissner², & Eric R. Muth¹
¹*Clemson University*, ²*Ludwig Maximilian University of Munich*
- 172. Heart Rate Variability and Severity of Depression Before and After Electroconvulsive Therapy**
Joke H. M. Tulen & Walter W. Van den Broek
Erasmus Medical Center Rotterdam
- 173. Institutional Support of Persons with Schizophrenia is Relevant for the Heart Rate Response to Stress of Their Caregivers**
Esperanza González-Bono, Sara de Andrés-García, David Castillo-Pelegrin, & Luis Moya-Albiol
University of Valencia
- 174. Excitation Transfer in Decision Making: Does Transferred Arousal Increase Deviation from Rational Choice?**
Dennis Küster¹, Olivier Corneille^{1,2}, & Pierre Philippot^{1,2}
¹*Université Catholique de Louvain*, ²*Jacobs University Bremen*

- 175. Cardiac Autonomic Regulation and Anger Coping in Adolescents**
Claus Vogele¹, Sonja Sorg², Markus Studtmann³, & Hannelore Weber⁴
¹*Roehampton University*, ²*University of Ulm*, ³*Max Planck Institute for Human Development*, ⁴*University of Greifswald*
- 176. Isolated Clinic Hypertension and Orienting/Defensive Response Pattern**
Alfonso Salgado¹ & Almudena Duque²
¹*Pontificia University of Salamanca*, ²*Complutense University of Madrid*
- 177. Mental Rotation in Preschoolers: Sex Differences in Hemispheric Asymmetry**
Nicola Hahn¹, Jan-Henryk Dombrowski², Petra Jansen¹, & Martin Heil²
¹*University of Regensburg*, ²*Heinrich Heine University of Duesseldorf*
- 178. Development of Functional Brain Organization: Heritability and Stability Across the Life Span**
Dirk J. A. Smit¹, Klaus Linkenkaer-Hansen¹, Maria Boersma², Toos C. E. M. van Beijsterveldt¹, Danielle Posthuma¹, Dorret I. Boomsma¹, Kees J. Stam², & Eco J. C. de Geus¹
¹*Vrije University—Amsterdam*, ²*Vrije University Medical Center*
- 179. Development of Face Recognition in Primary School Children**
Eveline A. De Bruin¹, Vanessa E. G. Martens¹, Johanna C. Glimmerveen², & Jan W. Van Strien²
¹*Unilever Research and Development Vlaardingen*, ²*Erasmus University Rotterdam*
- 180. Development of Automatic Musical Memory Functions in Children from 2 to 4 Years of Age**
Vesa Putkinen, Mari Tervaniemi, & Minna Huotilainen
University of Helsinki

181. Behavioral and ERP Correlates of Conceptual and Perceptual Repetition in Children and Young Adults

Daniela Czernochowski¹, Martina Becker², & Axel Mecklinger²

¹Heinrich Heine University of Duesseldorf, ²Saarland University

182. The Heart-Brake of Social Rejection: A Heart Rate Analysis of Developmental Change in Sensitivity to Peer Rejection

Bregtje Gunther Moor¹, Marieke G. N. Bos¹, Eveline A. Crone², & Maurits W. Van der Molen¹

¹University of Amsterdam, ²Leiden University

183. Effects of Auditory Novelty and Task Load on Auditory and Visual Brain Responses in Children and Adults

Philipp Ruhnau, Nicole Wetzel, Andreas Widmann, & Erich Schröger

Institute for Psychology I, University of Leipzig

184. Psychophysiological Effects of Enhanced Sustained Attention in Recurrently Depressed Patients After Mindfulness Training

Philipp M. Keune, Vladimir Bostanov, Boris Kotchoubey, & Martin Hautzinger

University of Tübingen

185. Facilitated Processing of Positive Emotional Information by Verbal Structural Parallelisms: An ERP Study

Beate Czerwon¹, Annette Hohlfeld², Heike Wiese², & Katja Werheid¹

¹Humboldt University, Berlin, ²University of Potsdam

186. Eye Blink Conditioning During PPI Measurement in Neonates

Susanne E. Suter¹, Harriet J. Huggenberger¹, Terry D. Blumenthal², & Hartmut Schachinger³

¹University of Basel, ²Wake Forest University, ³University of Trier

Clustered Poster Session #2

Abstract

Neural Basis of Anxiety Disorders

Chair: Thomas Straube

Friedrich-Schiller-University Jena

Descriptors: fear, functional imaging, anxiety disorders

- 187. Differential Conditioning in Spider Phobia: Subjective, Electrodermal and Bold Responses**
Jan Schweckendiek, Tim Klucken, Christian J. Merz, Katharina Tabbert, & Rudolf Stark
Justus-Liebig University Giessen
- 188. Neural Correlates of Emotional Stroop Interference in Patients Suffering from Social Phobia**
Stephanie Schmidt, Wolfgang H. R. Miltner, & Thomas Straube
Friedrich-Schiller-University Jena
- 189. Neural Basis of Automatic Processing of Disorder-Related Stimuli in Specific Phobia**
Thomas Straube, Judith Lipka, & Wolfgang H. R. Miltner
Friedrich-Schiller-University Jena
- 190. The Role of Hippocampus and Context Conditioning in Posttraumatic Stress Disorder: A Cross-Sectional Study in Traumatized and Non-Traumatized Paramedics**
Sebastian Pohlack, Claudia Liebscher, Stephanie Ridder, Slawomira Lipinski, & Herta Flor
University of Heidelberg, Mannheim

Clustered Poster Session #3

Abstract

Psychophysiology of the Placebo Response

Chairs: Magne Arve Flaten¹ & Paul Enck²

¹*University of Tromsø, Norway*, ²*University Hospital Tübingen, Germany*

Descriptors: placebo response, pharmacology, Classical conditioning

191. The Effect of an Active Placebo on Pain-Induced Event Related Potentials in a Balanced Placebo Design

Espen Bjørkedal, Thomas Neramo, Per M. Aslaksen, & Magne Arve Flaten

University of Tromsø

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- 192. The Fully-Balanced and the Half-Balanced Placebo Design**
Paul Enck & Sibylle Klosterhalfen
University Hospital Tübingen, Germany
- 193. Placebo Effects on Blood Pressure Induced by Expectancy Manipulation**
Karin Meissner & Dagmar Ziep
Ludwig-Maximilians University of Munich
- 194. The Learned Immune Response: Pavlov and Beyond**
Manfred Schedlowski
University Clinic Essen, Germany
- 195. Placebo-Interventions on Blood Pressure—Lack of Autonomic Effects**
F. Zimmermann-Viehoff¹, K. Meissner², C. Weber¹, J. Koch¹, & H.-C. Deter¹
¹*Charité University Medical Center Berlin*, ²*Ludwig-Maximilians University of Munich*

Poster Session IV
Saturday, October 24, 2009

Poster Session Schedule

8:00 A.M.—10:00 A.M.	Posters Assembled
10:00 A.M.—4:00 P.M.	Posters Available for Viewing
4:00 P.M.—6:00 P.M.	Authors Present for Discussion and Questions
6:00 P.M.—7:00 P.M.	Dismantle Posters

1. Attentional Deficits in an Attention-to-Prepulse Paradigm in ADHD and the Influence of the DAT Polymorphism

Annette Conzelmann, Paul Pauli, Ronald F. Mucha, Christian P. Jacob, Antje B. M. Gerdes, Georg W. Alpers, Andreas Warnke, Klaus-Peter Lesch, & Peter Weyers

University of Würzburg

2. A Human Pheromone as Safety Signal?

Monika Frey, Peter Weyers, Paul Pauli, & Andreas Mühlberger

University of Würzburg

3. The Rewarding Aspect of an Aversive Event

Marta Andreatta, Andreas Mühlberger, Antje Gerdes, Matthias Wieser, Bertram Gerber, & Paul Pauli

University of Würzburg

4. Experimentally Produced Cues for Smoking Elicit Preparatory Responses in Healthy Smokers

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- 128. Electrocortical Correlates of Emotional Working Memory Load and Startle Reflex Modulation**
Martin Peper¹ & Wladimir Kirsch²
¹University of Marburg, ²University of Würzburg
- 129. Near-Threshold Stimulus Processing in Primary and Secondary Somatosensory Cortex—An MEG Study**
Anja D. Wühle¹ & Christoph Braun²
¹University of Tübingen, ²University of Trento
- 130. Meeting More Criteria of the Metabolic Syndrome Associates with Reduced Gray Matter Volume**
Ikechukwu C. Onyewuenyi¹, Matthew F. Muldoon¹, Ahmad R. Hariri², Stephen B. Manuck¹, & Peter J. Gianaros¹
¹University of Pittsburgh, ²Duke University

- 131. Brain Volume Asymmetries Between Homologous Regions of Both Hemispheres in Normal Subjects**
Ana Calzada-Reyes¹, Alfredo Alvarez-Amador², Peter Valdés Sosa², Agustín Lage², & Lester Melie²
¹Legal Medicine Institute, ²Cuban Neuroscience Center
- 132. Feedback Processing in a Time-Estimation Task: An fMRI Study on Task Validity**
Gabry W. Mies¹, Frederik M. Van der Veen¹, Marion Smits¹, Michiel W. Hengeveld¹, & Maurits W. Van der Molen²
¹Erasmus Medical Center Rotterdam, ²University of Amsterdam
- 133. Gender Specific Modulation of Brain Processes by Food Stimuli**
Naima Laharnar¹, Ralf Veit¹, Carlos Canova¹, Sabine Frank¹, Yiwen Li-Hegner¹, Andreas Fritsche², & Hubert Preissl¹
¹University of Tübingen, ²University Hospital of Tübingen
- 134. A Repeated Measures fMRI Study of the Effects of Learning on a Tower of London Task**
Tilman J. Gaber^{1,2}, Colleen A. Dockery^{3,4}, Balint Varkuti³, Kamil Uludag¹, & Niels Birbaumer³
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- 135. The Common and Specific Neural Bases for Emotional and Bodily Awareness**
Terasawa Yuri, Fukushima Hirokata, & Umeda Satoshi
Keio University
- 136. Comparison of Selective Impairments in Resting-State Networks of Patients with Early Alzheimer's Disease and at High Risk for Alzheimer's Disease**
Nicholas Myers¹, Christian Sorg², Alexander Kurz², Hans Förstl², Valentin Riedl², & Afra M. Wohlschläger²
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137. Volumetric Evaluation in Schizophrenia

Nuri Karabay, Adile Oniz, Suleyman Men, Koksak Alptekin, & Murat Ozgoren
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138. Reaction Time and Fractional Anisotropy

Maria L. Bringas¹, Gertrudis Hernandez², Pedro Valdes², Agustin Lage², Yenisleydi Lorenzo², & Alejandro Ojeda²

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139. Regional Grey Matter Volume Abnormalities in Eating Disorders with Binging Symptomatology

Axel Schäfer¹, Dieter Vaitl², & Anne Schienle¹

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140. Impulsivity-Related Prefrontal Activation During Reward Discounting is Moderated by COMT VAL158MET Polymorphism

Michael M. Plichta¹, Sebastian Heinzl¹, Antje B. M. Gerdes¹, Ann-Christine Ehli¹, Andreas Reif¹, Ippaita Dan², Klaus-Peter Lesch¹, Georg Gron³, Paul Pauli¹, & Andreas J. Fallgatter¹

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141. Correlations Between Worry Tendencies and Brain Activation During Aversive Imagery

Anne Schienle¹, Axel Schäfer¹, Dieter Vaitl², & Roman Pignanelli²

¹*University of Graz,* ²*University of Giessen*

142. Neural Mediators of Working Memory Deficits in Autism Spectrum Disorder

Amanda E. Colby¹, Michael A. Motes¹, Alicia A. Coleman², Laura Dewey², & Bart Rypma¹

¹*University of Texas at Dallas,* ²*University of Texas Southwestern Medical Center*

- 144. Reward Anticipation Following Monetary Gain and Loss in Depressed and Healthy Youth**
Thomas M. Olino, Dahl E. Ronald, Neal D. Ryan, Alexander Johnston, Boris Birmaher, David Axelson, & Erika E. Forbes
University of Pittsburgh
- 145. The Influence of Heart Rate Variation on Task and Group Effects of the fMRI Bold Signal**
Dennis van 't Ent¹, Jan C. de Munck², Anouk den Braber¹, Dorret I. Boomsma¹, & Eco J. C. de Geus¹
¹*Vrije University—Amsterdam*, ²*Vrije University Medical Center*
- 146. Altered Feedback Processing and Decision-Making in Patients with Borderline Personality Disorder**
Beate Schuermann¹, Norbert Kathmann¹, Babette Renneberg², & Tanja Endrass¹
¹*Humboldt University, Berlin*, ²*Freie University of Berlin*
- 147. P50, N100, and P200 Sensory Gating Difference Scores Map onto Specific Facets of the Phenomenology of Sensory Gating as Indicated by Self-Report Questionnaire**
Molly A. Erickson & William P. Hetrick
Indiana University
- 148. Preadolescents' Somatic and Cognitive-Affective Depressive Symptoms are Differentially Related with Cardiac Autonomic Status and Cortisol. The Trails Study**
Nienke M. Bosch^{1,2}, Harriëtte Riese^{1,2}, Andrea Dietrich^{1,2}, Johan Ormel^{1,2}, Frank Verhulst³, & Albertine J. Oldehinkel^{1,2,3}
¹*University of Groningen*, ²*University Medical Center Groningen*, ³*Erasmus University Medical Center—Sophia Children's Hospital Rotterdam*
- 149. Electrophysiological Abnormalities in Traumatized Children with PTSD**
Damion J. Grasso & Robert F. Simons
University of Delaware
- 150. Attention Biases in Social Anxiety and Depression as Revealed by Event-Related Brain Potentials**
Jason S. Moser & Robert F. Simons
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- 151. Anxiety and Depression During Pregnancy: Impact of Stress on Mother and Fetus**
Corinne Urech¹, Benedikt Christen¹, Nadine Fink², Johannes Bitzer¹, Irène Hoesli¹, & Judith Alder¹
¹University Women's Hospital Basel, ²Harvard Medical School
- 152. Effects of the Temporal Stage of Cues and the Focus of Attention on Cue Reactivity of Smokers Investigated by Means of fMRI**
Bastian Stippekohl¹, Markus Winkler², Ron Mucha², Paul Pauli², Dieter Vaitl¹, & Rudolf Stark¹
¹Bender Institute of Neuroimaging, University of Giessen, ²University of Würzburg
- 153. Trick or Threat? Decision-Making and Impulsivity in Parkinson's Disease**
Silvia Cabrini¹, Maurizio Avanzi², Mario Baratti³, Luca Masini¹, Gianni Brighetti¹, & Flavio Bonfà²
¹University of Bologna, ²Azienda Unità Sanitaria Locale, Piacenza, ³Azienda Unità Sanitaria Locale, Modena
- 154. Dual Deficit in Psychopathy: Neural Correlates of Psychopathic Traits Within Social Exchange**
Takahiro Osumi^{1,2}, Takashi Nakao^{1,2}, Hideki Ohira¹, Yukinori Kasuya³, Jun Shinoda³, & Jitsuhiro Yamada³
¹Nagoya University, ²Japan Society for the Promotion of Science, ³Kizawa Memorial Hospital, Chubu Medical Center for Prolonged Traumatic Brain Dysfunction
- 155. Neural Correlates of Decision Making in a Subclinical Obsessive-Compulsive Sample**
Martin Mothes-Lasch, Maria Wilde, Thomas Hiller, Wolfgang Miltner, & Thomas P. D. Straube
Friedrich Schiller University of Jena
- 156. Pro- and Anti-Saccades Elicited by Visual and Acoustic Cues—A Comparison Between Children With and Without Attention Deficit Hyperactivity Disorder (ADHD)**
Johanna Goepel, Stefanie Biehl, Johanna Kissler, & Isabella Paul
University of Konstanz
- 157. Impaired Response Inhibition in Obsessive-Compulsive Disorder: Evidence from an Antisaccade Task**
Lisa Kloft, Benedikt Reuter, David Möllers, & Norbert Kathmann
Humboldt University, Berlin

- 158. Differential Conditioning in Spider Phobia: Subjective, Electrodermal and Bold Responses**
Thomas Straube
Friedrich Schiller University of Jena
- 159. Effects of Cognitive-Behavior Therapy on Perseverative Responding in Alcohol Dependent Men and Women**
Rebecca J. Houston, Taunya M. Englert, Ronda L. Dearing, Gerard J. Connors, & Gregory G. Homish
Research Institute on Addictions, University at Buffalo, the State University of New York
- 160. The Role of the Stress Response in Predicting the Course of Schizophrenia**
Cindy M. Yee, Gretchen L. Sholty, Jane C. Sun, Kristopher Ian Mathis, Terrance J. Williams, Carrie E. Bearden, Tyrone D. Cannon, Michael F. Green, Kenneth L. Subotnik, & Keith H. Nuechterlein
University of California, Los Angeles
- 161. Visually-Guided and Volitional Saccade Initiation in Schizophrenia**
Benedikt Reuter¹, David Möllers¹, Julia Bender¹, Lisa V. Kloft¹, Juliane Ziemek¹, Asysa Schwehn¹, Jürgen Gallinat², & Norbert Kathmann¹
¹*Humboldt University, Berlin*, ²*Charité—Berlin*
- 162. Mindfulness Intervention for Female Fibromyalgia (FM) Patients: Does an Eight-Week Program Alter Real-World Cardiorespiratory Function or Daily Activity?**
Paul Grossman¹, Harald Walach², Stefan Schmidt³, Gunnar Deuring¹, & Barbara Schwarzer³
¹*University of Basel Hospital*, ²*The University of Northhampton*, ³*University Medical Center Freiburg*
- 163. The Relation Between Electrophysiological Arousal and Cognitive-Emotional Processing in Children Receiving Trauma-Focused Cognitive Behavioral Therapy**
Damion J. Grasso, Adele Hayes, & Robert F. Simons
University of Delaware

- 164. Decreased Brain Activation Preceding Remedial Action After Negative Feedback Stimuli in Recent-Onset Schizophrenia**
Frederik M. Van der Veen, Janna-Marie Hoogendam, Marion Smits, A. A. D. Van der Lugt, & Röder H. Christian
Erasmus Medical Center Rotterdam
- 165. Respiratory Sinus Arrhythmia as a Proxy Measure of Emotional Sensitivity in Eating Disorders: A Pilot Study**
Eunice Y. Chen, Tanja Gazibara, Karla Fettich, Johnny Berona, James Roehrig, Hakeemah Cummings, & Michael S. McCloskey
The University of Chicago
- 166. Frontal Alpha Asymmetry as a Moderator of Depressed Mood Influence on Cognitive Task Performance**
Aneta Brzezicka¹ & Jan Kaminski²
¹*Warsaw School of Social Psychology*, ²*Nencki Institute of Experimental Biology*
- 167. Comorbid Autism Spectrum Disorder and ADHD: Differences in N2 and P3 Responses**
Leena Mohapatra¹, Caley Schwartz², Kim Ono¹, Camilla Hileman¹, Nicole Kojkowski¹, & Heather Henderson¹
¹*University of Miami*, ²*Yale Child Study Center, Yale University School of Medicine*
- 168. Sensorimotor Gating Deficit in Children Exposed to a Single Trauma**
Edward M. Ornitz & Robert Pynoos
University of California, Los Angeles
- 169. Psychophysiological Indicators of Response to Drug Addiction Rehabilitation Treatment**
Nuno F. Costa, Isabel B. Fonseca, Samuel Pombo, Ana Monteiro, Aleksandra Dziuba, & Teresa Costa
University of Lisbon
- 170. Effect of Tianeptine on Hippocampal GR Expression and Anxiety in an Animal Model of Depression**
Verónica Trujillo & Marta M. Suárez
National University of Córdoba

- 171. Neurophysiological Effects of Qigong Exercise Program on Depressed Elderly with Chronic Medical Illness**
Hector W. H. Tsang
The Hong Kong Polytechnic University
- 172. Serum Butyrylcholinesterase Evaluation in Women and Men with Postpartum Depression**
Naiara Stefanello¹, Ricardo Azevedo Silva², Ricardo Tavares Pinheiro², Maria Rosa Schetinger¹, & Juliana Sartori Bonini²
¹Federal University of Santa Maria, ²Catholic University of Pelotas
- 173. Methylphenidate and Self-Regulation are Comparable in Modulating the P300 in Children with Attention Deficit Hyperactivity Disorder (ADHD)**
Isabella Paul¹, Marieke Bechtold¹, & Caterina Gawrilow²
¹University of Konstanz, ²University of Frankfurt
- 174. Flashing a Smile: is Startle Sensitive to Unconscious Face Processing?**
Elizabeth R. Duval, Diane L. Fillion, & Christopher T. Lovelace
University of Missouri, Kansas City
- 175. Early Cortical Activation Towards Aversive Stimuli in Patients with PTSD and Comorbid Depression Compared to Patients with Major Depression Only**
Claudia Catani¹, Hannah Adenauer², Sonja Haas², Steivan Pinoesch², Julian Keil², Hannah Aichinger², Johanna Kissler², & Frank Neuner¹
¹University of Bielefeld, ²University of Konstanz
- 176. Anxious Response to Predictable and Unpredictable Aversive Events in Children**
Anja Schmitz, Kathleen R. Merikangas, & Christian Grillon
National Institute of Mental Health
- 177. Optimism Modulates Habituation of the Startle Reflex in PTSD Remitted Individuals**
Chantal Martin-Soelch¹, Sonja Schumacher¹, Christoph Mueller-Pfeiffer¹, Michael Furrer¹, Frank H. Wilhelm², & Ulrich Schnyder¹
¹University Hospital Zurich, ²University of Basel

- 178. Filters for Optimal Smoothing of the Startle Eyeblick EMG Response**
Anton Van Boxtel
Tilburg University
- 179. Maturation of PPI in Childhood Compared to PPI in Enuretic Children: New Aspects on the Classification of Enuresis**
Julia Meir¹ & Paul Eggert²
¹*University Hospital of Leipzig*, ²*University Clinics of Schleswig-Holstein*
- 180. Inhibitory Processing Deficits Reflected by Event Related Potentials During the Evening are Related to Greater Arousability During the Night in Insomnia Patients**
Aisha Cortoos, Elke de Valck, & Raymond Cluydts
Vrije University of Brussels
- 181. Physiological Consequences of Anger Rumination: An Ambulatory Study**
Cristina Ottaviani¹, David Shapiro², & Leah Fitzgerald²
¹*University of Bologna*, ²*University of California, Los Angeles*
- 182. Low-Intensity Light and the Restorative Effect of Sleep**
Elke de Valck¹, Johan Wuyts¹, Nathalie Pattyn¹, Marie Vandekerckhove¹, Daniël Berckmans², Bart Haex², Johan Verbraecken³, & Raymond Cluydts¹
¹*Vrije University of Brussels*, ²*Catholic University of Leuven*, ³*Antwerp University Hospital*
- 183. Effects of Viewing Affective Pictures on Nighttime Sleep: Latency to Non-REM Sleep Stages**
Toshihiko Sato
Tohoku Bunka Gakuen University

Clustered Poster Session #4*Abstract***Emotions on Our Mind: The Role of Emotion Regulation and Self-Reference for Emotional Reactivity and Emotion Processing**Chairs: Beate M. Herbert¹ & Olga Pollatos²¹Eberhard-Karls-University Tübingen and University Hospital Tübingen, ²Ludwig-Maximilians-University Munich

Descriptors: emotion regulation, self-reference, alexithymia

184. Emotional Hyper- or Hyporeactivity in Alexithymia? Clues for Altered Emotion Regulation Strategies During Emotional Picture ViewingBeate M. Herbert¹ & Cornelia Herbert²¹Eberhard-Karls-University Tübingen and University Hospital Tübingen, ²Julius-Maximilians-University of Würzburg**185. Self-Reference Modulates the Processing of Verbal Emotional Stimuli**Cornelia Herbert¹, Beate M. Herbert², & Paul Pauli¹¹Julius-Maximilians-University Würzburg, ²Eberhard-Karls-University Tübingen and University Hospital Tübingen**186. Differences in the Central Processing and Voluntary Regulation of Emotions in Alexithymia—An EEG Study**Olga Pollatos¹ & Klaus Gramann²¹Ludwig-Maximilians-University Munich, ²University of California, San Diego**187. Alexithymia, Peripheral Reactivity and Emotion Regulation During a Social Stress Task**Ellen Matthias¹, Beate M. Herbert², & Olga Pollatos¹¹Ludwig-Maximilians-University Munich, ²Eberhard-Karls-University Tübingen and University Hospital Tübingen**Clustered Poster Session #5***Abstract***Emotions in Word and Face Processing**Chairs: Annekathrin Schacht & Werner Sommer
Humboldt University, Berlin

Descriptors: emotions, word processing, face processing

188. Emotions in Word and Face Processing: Recent Evidence from ERPs and Peripheral Indicators

Annekathrin Schacht & Werner Sommer

Humboldt University, Berlin

189. Effects of Emotion in Words are Localized in Post-Lexical Processing Stages

Marina Palazova, Katharina Mantwill, Werner Sommer, & Annkathrin Schacht

Humboldt University, Berlin

190. Emotion in Word Processing: Valence and Arousal in Event-Related Brain Potentials and Peripheral Indicators

Mareike Bayer, Werner Sommer, & Annkathrin Schacht

Humboldt University, Berlin

191. Between Passive Viewing and Emotion Decisions: How Automatic is Emotional Face Processing?

Julian Rellecke, Annkathrin Schacht, & Werner Sommer

Humboldt University, Berlin

192. Effect of Face Motion on Emotional Expression Recognition: An ERP Study

Guillermo Recio, Annkathrin Schacht, & Werner Sommer

Humboldt University, Berlin