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EDUCATION

- 1977 MS in Biology/Physiology, Tbilisi State University, Tbilisi, Rep. Georgia, USSR
1986 Pre-Doc in Biology/Biophysics, Russian Academy of Sciences, Novosibirsk, Russia
1988 Ph.D. in Biology/Physiology, Institute Physiology, Russian Academy Medical Sciences, Russia
2001-2003 Post-doc Physiology & Pharmacology Fellowship, Physiology, Wake Forest University, Winston-Salem, NC
2003-2004 Post-doc, Cognitive Neuroscience, Psychology, Rice University, Houston, TX

ACADEMIC APPOINTMENTS

- 2015-current Research Professor, Dept. Biomedical Sciences, U of South Carolina-Greenville, SC
2015-current Gratis Associate Professor of Psychiatry, University of Louisville, Louisville, KY
2010–2015 Associate Research Professor, Director of Evoked Potential Laboratory, Dept. Psychiatry, University of Louisville, School of Medicine, Louisville, KY
2010- Adjunct Associate Professor, Bioengineering, University of Louisville, Louisville, KY
2004-2010 Assistant Research Professor, Director of Evoked Potential Laboratory, Dept. Psychiatry, University of Louisville, School of Medicine, Louisville, KY
2003–2004 Post-Doc Research Fellow, Psychology, Rice University, Houston, TX
2001-2003 Post-Doc Research Fellow, Physiology, Wake Forest University School of Medicine, Winston-Salem, NC
2001 Senior Research Associate, Research Institute Cybernetic Technologies, Taejon, South Korea
1997-2001 Invited Research Associate, Psychology, Chungnam University, Taejon, South Korea
1990- 1997 Head of Laboratory of Functional Diagnostics Automation and Biofeedback, Institute of Medical & Biological Cybernetics, Russian Academy Medical Sciences, Novosibirsk, Russia
1988-1990 Senior Researcher, Biological and Medical Cybernetics, Institute of Clinical Experimental Medicine, Siberian Branch Academy Medical Sciences, Novosibirsk, Russia
1982-1988 Pre-doctoral Fellow (Biophysics), Institute of Automation and Electrometry, USSR Academy of Sciences Siberian Branch, Novosibirsk, Russia

OTHER POSITIONS AND EMPLOYMENT

- 1991-1997 Executive Director, Russian-American joint venture “Biofeedback Computer Systems”
Research & Development of new technology for biofeedback and applied psychophysiology, Novosibirsk, Russia

CERTIFICATION AND LICENSURE

- 1988 Patent Law & Invention Right Specialist certificate from All-Union Society of Inventors & Rationalizers, Novosibirsk, Russia
1991 Stress Management and Biofeedback Specialist certificate, Academy Medical Sciences, Russia

PROFESSIONAL MEMBERSHIPS AND ACTIVITIES

International Society Neurofeedback & Research
Association Applied Psychophysiology & Biofeedback
International Organization for Psychophysiology
Association for Psychological Science
Society for Psychophysiological Research
J.G. Brown Cancer Center
Korea Society for Emotion & Sensibility
New York Academy of Sciences
International Society for Addiction Medicine
International Society for Autism Research
Foundation for Neurofeedback and Neuromodulation Research (ISNR-RF), President since 2014

HONORS AND AWARDS

- 1989 Farmlitalia Carlo Erba, Italy, Invited Summer Fellow
1990 University Alaska Anchorage, Exchange Program Grant, Invited Fellow
1991 Invited Lecturer, Travel Grant, Applied Psychology Institutes, San Francisco, CA
1991 Invited academic exchange scientists group member, Academy Sinica, Beijing, China
1992 University of Kiel Travel Fellowship, Baltic Physiology Conference, Kiel, Germany
1993 JSPA Travel Grant, Biobehavioral Regulation Conference, Tokyo, Japan
1993 University of Trier, DFG Travel Grant, Trier, Germany
1997-2000 KISTEP Exchange Scientist Award, Taejon, South Korea
2000 Associate Research Fellow, Brain Research Institute, Chungnam University, Taejon, S.Korea
2001-2003 RJR Leon Golberg Fellowship in Physiology & Toxicology, Winston-Salem, NC
2000, 2007, AAPB Citation Presentation Award
2010, 2012 AAPB Citation Paper Award
2007, 2008, Jewish Hospital Award for Innovation in Behavioral & Brain Sciences, Louisville, KY
2009, 2011, 2013 Research! Louisville Award for Innovation in Behavioral & Brain Sciences, Louisville, KY
2009 Department Anatomical Sciences and Neurobiology, Senior graduate faculty
2009 Joel F. Lubar Award for the contribution to the ISNR and advancement of the neurotherapy
2010 Department of Bioengineering, University of Louisville Associate senior graduate faculty
2011 Department of Bioengineering, University of Louisville Associate faculty
2011 Grand Prix of Junior KY Science Fair Student Presentation (*Mentor), Louisville, KY
2012 AAPB Citation Paper Award
2012 ISNR Research Best Student Paper Awards (2)
2014 ISNR Best Student Paper Award (*Mentor)
2014 AAPB-FERB Best Student Project Award (*Mentor)
2014 AAPB-ISNR Travel Grant (*Mentor)
2015 AAPB Distinguished Scientist Award

COMMITTEE ASSIGNMENTS AND ADMINISTRATIVE SERVICES

- 2008 NIH-NIDA Behavioral Science Track Award (B-Start): a reviewer ZDA1 MXS- M05-1
2009 -2010 DoD CDMRP ARP/GWIRP Medical Research Program: a scientist reviewer
2010 NIH SBIR/STTR: a reviewer
2010 Netherlands Science Foundation grants: a reviewer
2010 Parkinson's Disease Society (United Kingdom): a peer reviewer
2008-2010 ISNR Research Foundation, Board of Directors: Member at Large,

Research Design Committee member, Academic Connections Committee member.
 Member of ISNR neurofeedback certification and standardization committee
 2010-2012 Peking University Clinical Research Program (China): a reviewer
 2010 ISNR Research Foundation: President-elect, from 2014 – President ISNR RF
 2011 ISNR Research Foundation: Vice-President, Executive Committee member
 2011 NIMH panel: grant reviewer
 2011- DoD CDMRP ARP/GWIRP Autism Basic Research Program: a reviewer
 2012 NIMH panel:a telephone reviewer
 2012 ISNR Research Foundation: Chair, Mini-grant program
 2010 ISNR Research Foundation: Vice-President, Executive Committee member
 2011 Parkinson’s Research Foundation, UK:a reviewer
 2013 Ontario Mental Health Foundation:a reviewer
 2013 ETTN(10)B Review Panel SBIR/STTR NIH: a reviewer
 2014 ETTN(10)C Review Panel SBIR/STTR NIH:a reviewer
 2014 NIH K99/R00 review panels, NIH R15: review panel
 2013 DoD CRM RP(Autism Research Clinical Trials, Acupuncture): grant review panel
 2014 DoD Broad Agency Announcement for Extramural Medical Research: a panel member
 2014 ISNR Research Foundation: President, Chair, student grant Committee
 2015 International Society for Neurofeedback Research Scientific Council Member
 2015 DoD CDRMP panel: a reviewer
 2016 Foundation for Neurofeedback and Neuromodulation Research (FNNR), President
 2016 DoD CDRMP panel: a reviewer
 2016 Grant review panels NIMH: ZMH1 ERB-S, ZMH1 ERB-D: a reviewer

EDUCATIONAL ACTIVITIES

Mentorship:

1991-1995 Ph.D. Students in Biophysics: V. Zakharova, M.D., M. Tzellarius, M.D., et al.
 (Academy Medical Sci.,Novosibirsk). Total number of doctoral students supervised: 4
 1991-1992 Advanced courses in Stress Management and Biofeedback for clinicians (Academy Med. Sci.).
 Total number of students and practitioners trained at advanced courses - 18
 1992- 1996 Graduate Students in Biocybernetics: A. Zakhriamina, A. Autenshlus, et al. (Acad.Med.Sci.,
 Novosibirsk).Total number of graduate students supervised: 8
 1997-2000 Graduate Students in Biological Psychology: K.-H., Lee, J.-M. Lee, M.-K.Park. J.-Y.Choi, et al.
 (Chungnam University, S. Korea). Totalnumber of graduate students mentored: 10
 2005 Undergraduate Summer student: J. Hawthorne (Bellarmine College), 10 week, SROP program
 2006 Undergraduate Summer student : E. Garcia, Berea College, 10 weeks, KIBRIN program
 Summer medical students : Y.Harris, A.Spencer, 10 weeks
 2007 Undergraduate Summer students: G.Fritz, D.Brock, 10 weeks
 2006-2007 Non-degree continuing education student: Dr.S.Singh, post doc level trainee in research methods
 2008 Undergraduate summer student:L. Miller, 10 weeks, KIBRIN program
 2007-2009 Graduate student, Anatomy & Neurobiology Dept.: J. Baruth, cognitive neuroscience methods
 2009 Undergraduate summer student: T. Carroll, Asbury College, KBRIN program, research methods
 2008-2009 Psychiatry department residents and fellows/research training: Drs. M. Mansoor, M. Husk
 2009 Graduate bioengineering student: Tim Horrell; Residency candidate: Dr. R. Ramaswamy
 2010 PhD candidate: J. Baruth
 2011-2012 Undergraduate student of bioengineering: M. Hensley
 2011-2012 Graduate students pursuing Masters in Bioengineering: E.Gross, Z.Clemans, B. Hillard
 2012 High school students: P. Froula, J. Hu– Junior Kentucky Academy of Science Fair
 2012 Statistics master student: L. Zhou
 2012 Co-mentoring Dept Anatomical Sciences & Neurobiology graduate students: B. Dombroski, R.
 Kiser, S. Kamat, G. Sokhadze
 2012-2013 Summer medical students : A. Hinchén, K. Aykadin

2013 Graduate students: Y. Wang, M. Hensley, M. Asserqo
2014-2015 Graduate students: M. Hensley, Y. Wang, J. Li; and Summer medical student: V. Hancock

Lectures to professionals:

1. Applied Psychophysiology Institute, San Francisco, June, 1993: Applied psychophysiology in the USSR.
2. G-7 Workshop, Yonsei University, Seoul, May 3, 1997: Multi-channel systems for applied psychophysiology and biofeedback.
3. Chungnam National University, Taejon, S. Korea, 1999: Lateralization of functions: How to link EEG, brain hemispheric asymmetry and autonomic parameters with such psychological processes as emotion and attention.
4. Brain Research Institute, Taejon, S. Korea, 1999: Psychophysiological aspects of stress measurement and stress reduction.
5. Chonam National University, Kwangju, S. Korea, 2000: Psychophysiology of emotions: Methods of measurement, analysis and interpretations.
6. Winter Brain Seminar, Palm Springs, 2003: Brain-computer interfaces.
7. Physiology & Pharmacology seminars, Wake Forest University School of Medicine, Winston-Salem, March, 2003: Effects of smoking and nicotine on cognitive ERPs.
8. University Louisville, School of Music, October 2006: Music, psychophysiology, and emotions.
9. National Institute for Drug Abuse, NIDA clinical grand rounds talk, Baltimore, MD, March 2009: EEG Neurofeedback and its application in drug abuse treatment.
10. Johns Hopkins BRU, Baltimore, October 2013: Neurofeedback and qEEG application in addiction research.
11. Dept. Psychiatry Grand Rounds, University of Louisville, Louisville, 2013: EEG biofeedback in addiction research and treatment.
12. Dept. Anatomy & Neurobiology, University of Louisville, Louisville, 2014: TMS application for research and treatment in autism.
13. TMS-ERP Workshop, Hanzhou, China, 2014: Gamma oscillations and ERP in autism research and clinical trials.
14. AAPB scientific annual meeting, Austin, March, 2015. Keynote address: Application of psychophysiological methods in autism research and treatment.
15. IMFAR pre-conference panel, Baltimore, MD, May, 2016: TMS treatment: focusing on core pathological features of autism spectrum disorder.

GRANTS AND CONTRACTS

Current Grants:

VA Merit grant I01 CX001416-01A1 Hollifield (PI) 04/01/2016-03/31/2021
Acupuncture for PTSD in Combat Veterans
Role: Consultant

Grants Pending:

DoD CDRMP ARP Clinical Trial Award AR160149 (Sokhadze PI)
Integrative Neuromodulation Intervention for Treatment of Autonomic Dysfunctions and Behavioral Symptoms in Autism Spectrum Disorder

NIMH R33MH-12268308 (Casanova & Sokhadze PIs)
Transcranial Magnetic Stimulation Treatment in Children with Autism Spectrum Disorder

Grants Past:

2004-2014

1. Building selective cortical inhibition in autism: an rTMS study (Casanova PI). Eureka R01 award, NIH, R01 MH086784, \$888,000, 2009-2014, Co-I
2. Effects of TMS on autonomic nervous system activity in autism (Hensley PI). FERB Award, 03/2014-3/2016, Co-I

3. Electrophysiological and behavioral outcomes of Auditory Integration Training (AIT) in autism (Sokhadze PI). Autism Research Institute, San Diego, \$26,000, 2012-2014
4. Behavioral and psychophysiological study of attention, perceptual, and emotional processing after treatment with ambient prism lenses and visuo-motor exercises in children with autism spectrum disorders (Sokhadze PI). Autism Research Institute, San Diego, \$4,731, 2011-2014
5. Anatomical and functional modularity of the cerebral cortex (Casanova PI). Conference Grant. NIH 1R13HD077990-1, \$30,000, August 2013, Co-I
6. Method of assessment of psychophysiological reactivity to emotional stimuli in children with autism and in children with Attention-Deficit/Hyperactivity Disorder (ADHD) (El-Baz PI). University of Louisville eIRIG grant, \$3,000, 2010, Co-I
7. Development of EEG gamma indices of cue reactivity to assess functional outcomes of neurofeedback training in substance use disorder and PTSD (Horrell PI). AAPB Education and Research Foundation graduate student grant, \$1,500, 2010-2011, Co-I
8. Neurofeedback and motivation enhancement therapy based biobehavioral intervention in psychoactive substance use disorder (Sokhadze PI). ISNR Research Award, \$44,500 (including cost share), 2007-2008
9. Emotional and attentional biases in response to drug and trauma cues in addiction comorbid with TSD (Sokhadze PI). NIH-NIDA, R03 DA021821-01, \$74,000, 2007-2008
10. Efficacy of brief dynamic therapy in lessening the severity of unexplained movement disorder (Schoenbachler PI). University of Louisville SOM Small Grant-in-Aid, \$6,680, 2006-2007, Co-I
11. Emotions induced by music: subjective and physiological measures (Wheeler PI). University of Louisville, IRIG, \$5,000, 2009-2010, Co-I
12. Behavioral, cortical, and autonomic indices of emotional visual stimulus processing deficits in bipolar depression (Sokhadze PI). Small Grant-in-Aid, University Louisville School Medicine, \$15,000, 2006-2007
13. TMS shared instrumentation grant for Autism Center (Casanova PI). CDPA, \$28,000, 2006, Co-I
14. ERP study of neural system of salience evaluation (Potts PI). NIH NIDA R01-DA14074, total: \$1,200,000, 07/2003-5/2004, Postdoctoral Fellow

1997-2003

1. Effects of smoking/nicotine abstinence on ERPs and behavioral performance (Sokhadze PI). RJRT, \$15,000, 2002-2003, PI
2. KISTEP and STEPI Korean federal grants for Russian Exchange Scientist, \$72,000, 1997-1999
3. Development of measurement and database for emotion and sensibility (Sohn PI). KOSEF (S.Korea) #96-0101-02001-03, 1996-2001, Co-I
4. Development of a standardized Korea Affective Picture System and analysis of EEG characteristics related to emotion (Sohn PI). KRF (S. Korea) #001- C00488, 1997-1999, Co-I
5. Development of protocol to evoke basic emotions in children and data base for differentiation of emotions by physiological measures (Sohn PI). SAIT (S.Korea), 1999-2001, Co-I
6. Development of a stress/arousal reduction and regulation (STARR) system (Sohn PI). KISTEP #17-02-01-A-06, 1998-1999, Co-I
7. Development of measurement technology and database for auditory perception (Sohn PI). Korean Science and Technology Policy Institute (STEPI), 1997-1998
8. Co-development of measurement technology and database for emotion and sensation caused by tactile stimulation (Sohn PI). STEPI, 1997-1998, Co-I

1989-1995

9. Portable microprocessor-based biofeedback device for cardio-respiratory biofeedback training (Sokhadze PI). Ministry of Science and New Technologies (Russia), 1993-1995, PI
10. Controlled replication study of alpha/theta EEG biofeedback and its neuroimmunological effects in addictions (Sokhadze PI). Association Applied Psychophysiology and Biofeedback (USA), 1993-1995, PI
11. Scientific-technological project on instrumental system software development for applied psychophysiology and biofeedback (Sokhadze PI). Ministry of Healthcare (Russia), 1992-1994, PI
12. Microprocessor based data acquisition systems for psychophysiological research and clinical practice (Sokhadze PI). Ministry of Science and New Technologies (Russia), 1992-1994, PI

13. Scientific- research project on microprocessor-based data acquisition systems development and application in psycho- physiological research and functional diagnostics (Sokhadze PI). Ministry of Science and Technological Policy (Russia), 1991-1992, PI
14. Scientific-technological project on design and development of portable biofeedback devices and clinical application protocols (Sokhadze PI). Ministry of Healthcare (USSR), 1989-1992, PI
15. Scientific research project on biofeedback- based training techniques development and physiological models of biofeedback effects (Sokhadze PI). State Committee of Science and Technology(USSR),1989-1990, PI

Grants submitted 2010-2014 in PI capacity

PATENTS

- Lee, B-H., Lee, G-H., Lim, J.J., Min, Y.G., and Sokhadze, E.M. 2003. Wireless system for neuro-feedback training using brain wave parameter and method for the same. Patent # KR2003002677, South Korea, 01.09.2003. Research Disclosure, UofL, 2013: Neuromodulation method and system based on TMS and neurofeedback combination to treat symptoms in autism spectrum disorder. #13028
- Research Disclosure, UofL,2014: Neuromodulation system based on neurofeedback, audio-visual, and magnetic EEG entrainment to prevent cognitive decline and progression of dementia in Mild Cognitive Impairment (MCI). # 14029

EDITORIAL WORK

Journal Editorial Board Membership:

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|-----------|---|
| 2008 | Applied Psychophysiology & Biofeedback, Editorial Board |
| 2009-2013 | J Neurotherapy, Associate Editor |
| 2013 | OA J Autism, Editorial Board |
| 2013 | Frontiers in System Neurosciences, Associate Editor |
| 2013 | J Bioengineering and Biomedical Sciences, Editorial Board |
| 2014 | J Psychiatry & Behavioral Sciences, Editorial Board |
| 2015 | NeuroRegulation, Associate Editor |

Journals and Book Series Review

- 2007-2016 Applied Psychophysiology & Biofeedback, Journal of Neurotherapy, Biomarkers Insight, Psychophysiology, Addiction, Journal of Alternative and Complementary Medicine, Journal of Autism and Developmental Disorders, International Journal of Neuroscience, Oxford University Press books, Biological Psychiatry, Experimental Neurology, Macedonian J Medical Science, Artificial Intelligence in Medicine, Journal of Affective Disorders, Neuroscience & Biobehavioral Reviews, Archives of General Psychiatry, Journal of Psychopharmacology, Clinical EEG and Neuroscience, Psychiatry Research: Neuroimaging, Neuroscience Letters, Frontiers in Behavioral Neuroscience, PlosOne, Behavioral Research Methods, J of Psychopharmacology, Autism Research & Treatment, NeuroImage: Clinical, Psychology of Addictive Disorders, Frontiers in System Neuroscience, NeuroRegulation, BMC Psychiatry, European Child Adolescent Psychiatry

PUBLICATIONS

PEER-REVIEWED JOURNALS

1. Astafiev, S., Deriy, B., **Sokhadze, E.M.**, Tretjakov, V., Shtark, M.B., Shulman, E., and Yanovski, G.: Organization of biofeedback with laboratory microcomputer system. Optoelectronics, Instrumentation and Data Processing (USA) 3:12-19, 1986.
2. **Sokhadze, E. M.**, Shtark, M.B., and Shulman, E.I.: Microcomputer system for biofeedback. Vestnik Akademii Meditsinskikh Nauk SSSR 3:75-83, 1989.
3. **Sokhadze, E. M.**, and Shtark, M.B.: Scientific and clinical biofeedback in USSR. Biofeedback Self Regul. 16(3):253-260, 1991.

4. **Sokhadze, E.**, Tsellarius, M., and Shtark, M.B.: The mechanisms regulating pulse-wave spreading time in a biological feedback regimen in patients with borderline arterial hypertension and in healthy subjects. *Terapevticheski Arkhiv* 63:87-90, 1991.
5. Tsellarius, M., **Sokhadze, E.**, and Shtark, M.B.: Use of biofeedback in the treatment of arterial hypertension. *Kardiologiya* 3:76-80, 1991.
6. Sohn, J.-H., **Sokhadze, E.**, Choi, S., Lee, K.-H., and Yi, I.: Electrodermal and EEG responses associated with emotions induced by auditory stimulation. *Experimental Neurobiology* 6:71-78, 1997.
7. Sohn, J.-H., **Sokhadze, E.**, Kim, J.-E., and Ryu, E.-K.: Electrodermal reactivity to the emotions induced by auditory stimulation. *J. Acoustical Society of Korea* 16:379-388, 1997.
8. Sohn, J.-H., Yi, I., **Sokhadze, E.**, Kim, J.-E., Lee, K.-H., and Choi, S.: The effects of 1/f music on the psychophysiological responses induced by stressful visual stimulation. *Korean Journal Science of Emotion & Sensibility* 1(1):135-143, 1998.
9. Sohn, J.H., **Sokhadze, E.M.**, Min, Y-K., Lee, K.-H., and Yi, I.: The role of background noise intensity on physiological activity during performance of mental task. *J. Acoustic Society of Korea* 18(S):269-273, 1999.
10. Min, Y.-K., **Sokhadze, E.**, Yi, I., Jho, M., and Sohn, J.-H.: The influence of habituation on psychophysiological differentiation of automobile horns with different psychoacoustic characteristics. *J. Acoustic Society of Korea* 18(S):263-268, 1999.
11. Sohn, J.-H., **Sokhadze, E.**, Choi, S., Lee, K.-H., and Yi, I.: Electroencephalographic manifestations of transient stress responses during attending and performance of mental task combined with loud noise. *Korean Journal of Science of Emotion & Sensibility* 2(1):137-145, 1999.
12. **Sokhadze, T.**, and Sohn, J.-H.: The EEG in applied psychophysiology in Korea: "Kamsung" science approach. *Biofeedback* 28:8-12, 2000.
13. **Sokhadze, E.**, and Sohn, J.-H.: The effects of habituation and sensitization on psychophysiological differentiation of responses to auditory stimulation with automobile horns. *Korean Journal Science of Emotion & Sensibility* 3:17-28, 2000.
14. Sohn, J.-H., **Sokhadze, E.**, and Watanuki, S.: Electrodermal and cardiovascular manifestations of emotions in children. *J. Physiol. Anthropol. Appl. Human Sci.* 20(2):55-64, 2001.
15. Pritchard, W., **Sokhadze, E.**, and Houlihan, M.: Effects of nicotine and smoking on event-related potentials. *Nicotine & Tobacco Research* 6(6):961-984, 2004.
16. **Sokhadze, E.**: Effects of music on the recovery of autonomic and electrocortical activity after stress induced by aversive visual stimuli. *Appl. Psychophysiol. Biofeedback* 32(1):31-50, 2007.
17. **Sokhadze, E.**, Stewart, C., and Hollifield, M.: Integrating cognitive neuroscience, psychiatry and behavioral treatment with neurofeedback in addictive disorders. *J. Neurother.* 11(2):13-44, 2007.
18. **Sokhadze, T.**, Tasman, A., Singh, S., Stewart, C., Surja, A., and Hollifield, M.: Dense-array qEEG/ERP study of frontal deficits in patients with substance use disorder and PTSD. *J. Neurother.* 12(1):73-77, 2007.
19. **Sokhadze, T.M.**, Cannon, R., and Trudeau, D.L.: EEG biofeedback as a treatment for substance use disorders: Review, rating of efficacy and recommendations for future research. *Appl. Psychophysiol. Biofeedback* 33(1):1-28, 2008.
20. **Sokhadze, T. M.**, Cannon, R., and Trudeau, D.L. Neurofeedback as a treatment for substance use disorders: review, rating of efficacy and recommendations for future research, *J. Neurother.* 12(1):5-43, 2008.
21. Cannon, R., Lubar, J., **Sokhadze, E.**, and Baldwin, D. LORETA Neurofeedback for addiction and the possible neurophysiology of psychological processes influenced: a case study and region of interest (ROI) analysis of LNFB in right anterior cingulate cortex (ACC). *J. Neurother.* 12(4):227-242, 2008.
22. **Sokhadze, E.**, Stewart, C., Hollifield, M., and Tasman, A.: Event-related potential study of executive dysfunctions in a speeded reaction task in cocaine addiction. *J. Neurother.* 12(4):185-204, 2008.
23. **Sokhadze, E.**, Singh, S., Stewart, C., Hollifield, M., El-Baz, A., and Tasman, A.: Attentional bias to drug and stress-related pictorial cues in cocaine addiction comorbid with PTSD. *J. Neurother.* 12(4):205-225, 2008.
24. **Sokhadze, E.M.**, El-Baz, A., Baruth, J., Mathai, G., Sears, L., and Casanova M.F.: Effect of a low-frequency repetitive transcranial magnetic stimulation (rTMS) on gamma frequency oscillations and event-

- related potentials during processing of illusory figures in autism. *J. Autism Dev. Disord.* 39(4):619-634, 2009.
25. **Sokhadze, E.**, Baruth, J., Tasman, A., Sears, L., Mathai, G., El-Baz, A., and Casanova, M.F.: Event-related potential study of novelty processing abnormalities in autism. *Appl. Psychophysiol. Biofeedback*34(1):37-51, 2009.
 26. **Sokhadze, E.**, Stewart, C., Sokhadze, G., Husk, M, and Tasman, A.: Effects of neurofeedback-based behavioral therapy on ERP measures of executive functions in drug abuse.*J. Neurother.* 13(4):260-262, 2009.
 27. **Sokhadze, E.**, Baruth, J., and Casanova, M.:Neuropathological theories and EEG gamma oscillation abnormalities in autism.*Neuroconnections*, Fall: 34-37, 2009.
 28. **Sokhadze, E.**, Baruth, J., Tasman, A., Mansoor, M., Ramaswamy, R., Sears, L., Mathai, G., El -Baz, A., and Casanova, M.F. Low-frequency repetitive transcranial magnetic stimulation (rTMS) affects event-related potential measures of novelty processing in autism. *Appl. Psychophysiol. Biofeedback* 35(2):147-161, 2010.
 29. **Sokhadze, E.**, Baruth, J., El-Baz, A., Horrell, T., Sokhadze, G., Carroll, T., Tasman, A., Sears, L. and Casanova, M.F.: Impaired error monitoring and correction function in autism. *J. Neurother.* 14(2):79-95, 2010.
 30. Baruth, J., Casanova, M., Sears, L. and **Sokhadze, E.**: Early-stage visual processing abnormalities in high-functioning autism spectrum disorder (ASD). *Transl. Neurosci.* 1(2):177-187, 2010.
 31. Sherlin, L., Arns, M., Lubar, J., and **Sokhadze, E.** A position paper on neurofeedback for the treatment of ADHD. *J. Neurother.* 14(2):66-78, 2010.
 32. Horrell, T., El-Baz, A., Baruth, J., Tasman, A., Sokhadze, G., Stewart, C., and **Sokhadze, E.** Neurofeedback effects on evoked and induced EEG gamma band reactivity to drug -related cues in cocaine addiction. *J. Neurother.* 14(3):195-216, 2010.
 33. Baruth, J., Casanova, M., El-Baz, A., Horrell, T., Mathai, G., Sears, L., and **Sokhadze, E.** Low-frequency repetitive transcranial magnetic stimulation modulates evoked-gamma frequency oscillations in autism spectrum disorders. *J. Neurother.* 14(3):179-194, 2010.
 34. Sherlin, L., Arns, M. , Lubar, J., and **Sokhadze, E.**: A Reply to Lofthouse, Arnold, and Hurt. *J. Neurother.*14(4):307-311, 2010.
 35. **Sokhadze, E.M.**, Tasman, A., Tamas, R., and El-Mallakh, R.S. Event-related potential study of the effects of emotional facial expressions on task performance in euthymic bipolar patients. *Appl. Psychophysiol. Biofeedback* 36(1):1-13, 2011.
 36. Baruth, J., Williams, E., **Sokhadze, E.**, El-Baz, A., Sears, L., and Casanova, M.F. Repetitive transcranial stimulation (rTMS) improves electroencephalographic and behavioral outcome measures in autism spectrum disorders (ASD). *Autism Science Digest* 1(1):52-57, 2011.
 37. Wheeler, B. L., **Sokhadze, E.**, Baruth, J., Behrens, G. A., and Quinn, C. Musically-induced emotions: Subjective measures of arousal and valence. *Music & Medicine* 3(4):224-233, 2011.
 38. **Sokhadze, E.**, Stewart, C. M., Tasman, A., Daniels, R., and Trudeau, D. Review of rationale for neurofeedback application in adolescent substance abusers with comorbid disruptive behavioral disorders. *J. Neurother* 15: 232-261, 2011.
 39. Gross, E., El-Baz, A.S., Sokhadze, G.E., Sears, L., Casanova, M.F., and **Sokhadze, E.M.** Induced EEG gamma oscillation alignment improves differentiation between autism and ADHD group responses in a facial categorization task. *J. Neurother.* 16(2):78-91, 2012.
 40. **Sokhadze, E.** Peak performance training using prefrontal EEG biofeedback. *Biofeedback* 39:7-15, 2012.
 41. **Sokhadze, E.M.**, Baruth, J.M., Sears, L., Sokhadze, G.E., El-Baz, A.S., and Casanova, M.F. Prefrontal neuromodulation using rTMS improves error monitoring and correction functions in autism. *Appl. Psychophysiol. Biofeedback* 37(2):91-102, 2012.
 42. **Sokhadze, E.M.**, Baruth, J.M, Sears, L., Sokhadze, G.E., El-Baz, A.S, Williams, E., Klapheke, R., and Casanova, M.F. Event-related potential study of attention regulation during illusory figure categorization task in ADHD, autism spectrum disorder, and typical children. *J. Neurother.* 16(1):12-31, 2012.

43. **Sokhadze, E.**, Sokhadze, G., and Casanova, M.F.: Neuromodulation using transcranial DC stimulation (tDCS) and repetitive transcranial magnetic stimulation (rTMS) as a translational neuroscience approach to treat autism. *Neuroconnections Newsletter*, Summer:16-18, 2012.
44. Clemans, Z.A., El-Baz, A.S., and **Sokhadze, T.** A novel method of analyzing error processing in PTSD. *Neuroconnections Newsletter* Fall:13-14, 2012.
45. Casanova, M., Baruth, J., El-Baz, A., Tasman, A., Sears, L., and **Sokhadze, E.** Repetitive transcranial magnetic stimulation (rTMS) modulates event-related potential (ERP) indices of attention in autism. *Transl. Neurosci.* 3(2):170-180, 2012.
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ABSTRACTS AND PRESENTATIONS

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81. Clemans, Z. A., El-Baz, A., and Sokhadze, E.: A custom Matlab program for ERP feature detection in psychological and physiological disorders using wavelets. The Kentucky Academy of Science 97th Annual Meeting. Murray, KY, November 4-5, 2011.

82. Sokhadze, G., El-Baz, A., Sokhadze, E., Sears, L., and Casanova, M.F.: Effects of TMS on autonomic nervous system in children with autism. The Association Applied Psychophysiology Biofeedback Annual Meeting. Baltimore, MD, March 8-10, 2012. (*Citation Paper Award).
83. Sokhadze, G., Kaplan, M., Edelson, S.M., Sokhadze, E.M., El-Baz, A., Hensley, M. and Casanova, M.F.: Effects of ambient prism lenses on autonomic reactivity to emotional stimuli in autism. The Association Applied Psychophysiology Biofeedback Annual Meeting. Baltimore, MD, March 8-10, 2012.
84. Sokhadze, G., Wheeler, B., and Sokhadze, E.M.: Physiological measures and subjective rating of emotions induced by music. The Association Applied Psychophysiology Biofeedback Annual Meeting. Baltimore, MD, March 8-10, 2012.
85. Sears, L., Sokhadze, E.M., Baruth, J., and Casanova, M.F.: Combination of TMS and EEG biofeedback in autism: A single case study. The Association Applied Psychophysiology Biofeedback Annual Meeting. Baltimore, MD, March 8-10, 2012.
86. Sokhadze, E., Baruth, J.M., El-Baz, A.S., Gross, E., Sears, L., and Casanova, M.F.: Repetitive transcranial magnetic stimulation (rTMS) modulates event-related potential indices of attention and executive functioning in autism. The Association Applied Psychophysiology Biofeedback Annual Meeting. Baltimore, MD, March 8-10, 2012.
87. Hillard, B.A., El-Baz, A., Sears, L., Cowan, J., and Sokhadze, E.: Analysis of EEG bands' relative power during neurofeedback in ADHD. The Association Applied Psychophysiology Biofeedback Annual Meeting. Baltimore, MD, March 8-10, 2012.
88. Gross, E., El-Baz, A., Sokhadze, G., Sears, L., Casanova, M., and Sokhadze, E.: Data alignment technique improves analysis of induced EEG gamma in autism and ADHD. The Association Applied Psychophysiology Biofeedback 43rd Annual Meeting. Baltimore, MD, March 8-10, 2012.
89. Kiser, R.M., Sokhadze, G., Gross, E., El-Baz, A., Sokhadze, E., and Casanova, M.F.: Selective attention and audiovisual integration in children with autism. The Association Applied Psychophysiology Biofeedback 43rd Annual Scientific Meeting. Baltimore, MD, March 8-10, 2012.
90. Casanova, M.F., Sokhadze, E., Baruth, J. M., El-Baz, A. S., and Sears, L.: Repetitive transcranial magnetic stimulation (rTMS) modulates event-related potential indices of attention and executive functioning in autism. The International Meeting For Autism Research. Toronto, Canada, May 17-19, 2012.
91. Sokhadze, G., Kaplan, M., Edelson, S. M., Sokhadze, E.M., Baruth, J., El-Baz, A. S., Hensley, M. and Casanova, M.: Modulatory effects of ambient prism lenses on spatial attention in autism: An event-related potential study. The International Meeting For Autism Research. Toronto, Canada, May 17-19, 2012.
92. Sokhadze, E., El-Baz, A., Tasman, A., Sears, L., and Casanova, M.: A novel neuromodulation treatment to improve executive frontal functions in autism. The International Meeting for Autism Research. Toronto, Canada, May 17-19, 2012.
93. Trudeau, D., Sokhadze, E., and Cannon, R.: Fundamentals in research methodology: An ISNR Research Foundation work. The International Society Neurofeedback Research 20th Annual Conference. Orlando, FL, September 19-23, 2012.
94. Sokhadze, G., Sears, L., El-Baz, A., Sokhadze, E., and Casanova, M.F.: An event-related potential study of visual spatial attention deficits in autism. The International Society Neurofeedback Research 20th Annual Conference. Orlando, FL, September 19-23, 2012.
95. Sokhadze, E., El-Baz, A., Tasman, A., Sears, L., Casanova, M.F.: Combined neuromodulation method aimed to improve frontal functions in autism. The International Society for Neurofeedback and Research 20th Annual Conference. Orlando, FL, September 19-23, 2012.
96. Sokhadze, E.M., Kaplan, M., Edelson, S.M., Kotsamanidis, B., Hensley, M.K., Sokhadze, G.E., Dombroski, B., and Casanova, M.F.: Ambient prism lenses affect autonomic reactivity and attention to audio-visual stimuli in autism. The 52nd Annual Meeting, Society Psychological Research. New Orleans, LA, September 19-23, 2012.
97. Hensley, M.K., El-Baz, A.S., Sokhadze, G.E., Sears, L., Casanova, M.F., and Sokhadze, E.M.: TMS effects on cardiac autonomic control in children with autism. The 52nd Annual Meeting Society Psychological Research. New Orleans, LA, September 19-23, 2012.
98. Sokhadze, E., Hillard, B., El-Baz, A. S., Tasman, A., & Sears, L.: Focused attention and alertness neurofeedback training in children with ADHD. The Association Applied Psychophysiology Biofeedback 44th Annual Scientific Meeting. Portland, OR, March 14-16, 2013.

99. Kiser, R.M.B., Edelson, S.M., Sokhadze, G., Casanova, M.F., and Sokhadze, E.: Implications of auditory ERP outcomes for auditory integration training in autism. The Association Applied Psychophysiology Biofeedback 44th Annual Scientific Meeting. Portland, OR, March 14-16, 2013.
100. Sokhadze, G., Kaplan, M., Edelson, S., Dombroski, B., and Sokhadze, E.: Modulatory effects of ambient prism lenses on spatial attention in autism. The Association Applied Psychophysiology Biofeedback 44th Annual Scientific Meeting. Portland, OR, March 14-16, 2013.
101. Clemans, Z.A., El-Baz, A.S., Cowan, J.D., and Sokhadze, E.M.: An emotional reactivity measurement method used in emotional word task. The Association Applied Psychophysiology Biofeedback 44th Annual Scientific Meeting. Portland, OR, March 14-16, 2013.
102. Hinchey, A., Sokhadze, E., Kong, M., Sokhadze, G., and Casanova, M.: ERP study of facial emotional expression and gender processing abnormalities in autism. The Association Applied Psychophysiology Biofeedback 44th Annual Scientific Meeting. Portland, OR, March 14-16, 2013.
103. Hensley, M., El-Baz, A., Casanova, M., and Sokhadze, T.: Heart rate variability and cardiac autonomic measures changes during rTMS course in autism. The Association Applied Psychophysiology Biofeedback 44th Annual Scientific Meeting. Portland, OR, March 14-16, 2013.
104. Dombroski, B., Kaplan, M., Kotsamanidis, B., Edelson, S.M., Sokhadze, G., Casanova, M. F., and Sokhadze, E.: Ambient lenses and visuomotor exercise effects on autonomic reactivity in autism. The Association Applied Psychophysiology Biofeedback 44th Annual Scientific Meeting. Portland, OR, March 14-16, 2013.
105. Kiser, R.M.B., Edelson, S., Clemans, Z. A., Sokhadze, E., and Casanova, M.F.: Audiovisual stimuli and sensory integration in autism spectrum disorder versus controls. The Louisville Chapter 23rd Annual Neuroscience Day. Louisville, KY, April 11, 2013. (*Graduate Student Award).
106. Klapheke, R., Sokhadze, E., and Sears, L.: Electrophysiological assessment of attention in ADHD, autism spectrum disorder, and typical children. The Louisville Chapter 23rd Annual Neuroscience Day, Louisville, KY, April 11, 2013.
107. Dombroski, B., Kaplan, M., Kotsamanidis-Burg, B., Edelson, S. M., Sokhadze, G., Casanova, M. F., and Sokhadze, E.: Behavioral and physiological changes due to the effects of ambient prism lenses and visuo-motor exercises in autism. The International Meeting For Autism Research. Donostia, San Sebastian Basque Country, Spain, May 2-4, 2013.
108. Sokhadze, E., El-Baz, A., Sears, L., and Casanova, M.: Neuromodulation based on rTMS improves electrocortical functional measures of information processing in autism. The International Society for Neurofeedback and Research Annual Meeting. Dallas, TX, September 19-22, 2013.
109. Kiser, R.M.B., Edelson, S., Clemans, Z.A., Sokhadze, E., and Casanova, M.F.: Audio-visual stimuli and sensory integration in autism spectrum disorder. The International Society Neurofeedback Research Annual Meeting. Dallas, TX, September 19-22, 2013. (*Best Student Paper Award).
110. Sokhadze, E., Stewart, C., El-Baz, A., Tasman, A., and Johnson, S.: Evoked EEG gamma oscillations as biomarkers of cue reactivity in addicts with dual diagnosis. The International Society Neurofeedback Research Annual Meeting. Dallas, TX, September 19-22, 2013.
111. Sokhadze, E.: Neurofeedback and qEEG application in addiction research. Johns Hopkins University BRU Seminars. Baltimore, MD, October 7, 2013.
112. Sokhadze, E., and Stewart, C.: EEG biofeedback in addiction research and treatment. Department Psychiatry Grand Rounds, University of Louisville. Louisville, KY, October 24, 2013.
113. Sokhadze, E., El-Baz, A. S., Sears, L., and Casanova, M.F.: Neuromodulation based on rTMS improves electrocortical functional measures of information processing in autism. Research!Louisville2013. Louisville, KY, September 24-27, 2013. (*Winner Jewish Hospital & St. Mary Foundation Faculty Award "Clinical Research").
114. Wang, Y., Sokhadze, E., El-Baz, A., Sears, L., Tasman, A., and Casanova, M.F.: Prefrontal neurofeedback training approaches in autism. The International Society Neurofeedback Research Annual Meeting. San Diego, CA, October 16, 2014.
115. Wang, Y., Sokhadze, E., El-Baz, A., Sears, L., Tasman, A., and Casanova, M.F. Prefrontal neurofeedback training approaches in autism. Research!Louisville2014 Conference. Louisville, KY, September 16-19, 2014.
116. Sokhadze, E., El-Baz, A., Tasman, A., Casanova, M.F., and Sears, L.: Novel neuromodulation therapy based on combination of TMS and neurofeedback for treatment of autism. Research!Louisville2014 Conference. Louisville, KY, September 16-19, 2014.

117. Sokhadze, E., Tasman, A., and Casanova, M.F.: EEG gamma oscillations and ERP in Autism research and clinical trials. TMS-ERP Workshop in Shanghai and Hanzhou. China, April 3-4, 2014.
118. Hensley, M.K., Kaplan, M., Kotsamanidis, B., Edelson, S.M., Sokhadze, E., and Casanova, M.F. Effects of ambient prism lenses and visuo-motor training on heart rate variability in autism. Research!Louisville 2014, Louisville, KY, September 16-19, 2014.
119. Hancock, V., and Sokhadze, E.: Electrocortical biomarkers of premotor preparation abnormality in autism. Research!Louisville 2014. Louisville, KY, September 16-19, 2014.
120. Sokhadze, E.M., Edelson, S.M., Sears, L., Casanova, M.F., and Tasman, A.: The effects of auditory integration training (AIT) on mismatch negativity in children with autism. The International Meeting For Autism Research. Atlanta, GA, May 14-17, 2014.
121. Hensley, M.K., Sokhadze, G., Kaplan, M., Kotsamanidis, B., Edelson, S.M., Sokhadze, E., and Casanova, M.F.: Modulatory effects of ambient prism lenses on spatial attention in autism. The International Meeting For Autism Research. Atlanta, GA, May 14-17, 2014.
122. Hensley, M., Kaplan, M., Kotsamanidis, B., and Sokhadze, E. Effects of ambient prism lenses and visuo-motor training on heart rate variability in autism. The 45th Annual Meeting Association Applied Psychophysiology Biofeedback. Savannah, GA, March 19-22, 2014.
123. Sokhadze, E., Akaidyn, K., Edelson, S.M., Brockett, S., Alworth, L., Weihing, J., Hensley, M., Mruthyanjaya, P., and Casanova, M.F.: The effects of auditory integration training (AIT) on mismatch negativity in children with autism. The 45th Annual Meeting Association Applied Psychophysiology Biofeedback. Savannah, GA, March 19-22, 2014.
124. Sokhadze, E., Sears, L., Sokhadze, G., Edelson, S.M., Tasman, A., and Casanova, M.F.: Motor response preparation deficits in a cued spatial attention task in autism. The 54th Annual Meeting Society Psychophysiological Research. Atlanta, GA, September 10-14, 2014.
125. Sokhadze, E., Edelson, S.M., Sears, L., Sokhadze, G., Wang, Y., Tasman, A., and Casanova, M.F.: Lateralized readiness potential (LRP) as a premotor preparation abnormality biomarker in autism and ADHD. The International Meeting For Autism Research. Atlanta, GA, May 5-8, 2014.
126. Wang, Y., Hensley, M., Casanova M.F., and Sokhadze, E.: Prefrontal rTMS treatment effects on autonomic activity in children with autism. The Annual Meeting Association Applied Psychophysiology Biofeedback. Austin, TX, March 12, 2014. (*Best Student Paper Award and Travelship).
127. Sokhadze, E., Edelson, S.M., Sears, L., Sokhadze, G., Wang, Y., Tasman, A., and Casanova, M.F. Lateralized readiness potential (LRP) as a premotor preparation abnormality biomarker in autism and ADHD. The Annual International Society Neurofeedback Research Meeting. San Diego, CA, October 16, 2014.
128. Sokhadze, E., Sears, L., El-Baz, A., Tasman, A., and Casanova, M.F. Clinical applications of electrophysiological approaches based on cortical modularity in autism. Proceedings the 3rd International Conference on Cortical Modularity. Louisville, KY, June, 2014.
129. Wang, Y., Hensley, M. K., Casanova, M. F., and Sokhadze, E. M. Prefrontal rTMS treatment effects on autonomic activity in children with autism *Association for Applied Psychophysiology and Biofeedback 46th Annual Scientific Meeting*, March 11-14. Austin, TX, 2015 (Citation poster).
130. Sokhadze, T., El-Baz, A. A., Tasman, A., Wang, Y., & Casanova, M. F. Combined neuromodulation therapy integrating rTMS and biofeedback for treatment of children with autism spectrum disorder. *Association for Applied Psychophysiology and Biofeedback 46th Annual Scientific Meeting*, March 11-14. Austin, TX, 2015 (Citation poster).
131. Frederick, J., Wang, Y., Sokhadze, T., Sears, L., Tasman, A., Casanova, M. F. ERP and EEG oscillations study of facial expression processing deficits in autism. *Association for Applied Psychophysiology and Biofeedback 46th Annual Scientific Meeting*, March 11-14. Austin, TX, 2015 (Citation poster).
132. Sokhadze, E. Distinguished scientist presentation: Application of psychophysiological and neuromodulation methods in autism research treatment. *Association for Applied Psychophysiology and Biofeedback 46th Annual Scientific Meeting*, March 11-14, Austin, TX, 2015.
133. Casanova, M.F., Sokhadze, E.M. El-Baz, A.S., Tasman, A., Wang, Y., and Sears, L.L. Novel neuromodulation therapy integrating rTMS and neurofeedback for the treatment of autism spectrum disorders. IMFAR, Salt Lake City, Utah, 2015.

134. Wang, Y., Sokhadze, E.M., Sears, L.L., El-Baz, A., Tasman, A., and Casanova, M.F. Prefrontal neurofeedback training approaches in children with autism based on the relative power of EEG rhythms analysis IMFAR, Salt Lake City, Utah, 2015.
135. Sokhadze, E., Wang, Y., El-Baz, A.S., and Casanova, M.F. Event-related potential and induced gamma study of facial expression processing in autism. Greenville Health System Pediatrics Research Showcase, 24th Annual DeLoache Seminar, November 6, 2015.
136. Li, Y., Elmaghraby, A., El-Baz, A., and Sokhadze, E, Using Physiological Signal Analysis to Design Affective VR Games' ISSPIT- 2015 presentation at the 15th IEEE International Symposium on Signal Processing and Information Technology 2015, December 7-9, DOI: 10.1109/ISSPIT.2015.7394401, Aby-Dhabi, UAE.
137. Sokhadze, E., Casanova, M., Tasman, A., and Brockett, S. Effects of auditory integration training on mismatch negativity. Society for Psychophysiological Research (SPR) 56th annual meeting, September 21-25, Minneapolis, MN, 2016.
138. Sokhadze, E., Cowan, J., Wang, Y., Casanova, M., Lamina, E., and Tasman, A. Effects of prefrontal neurofeedback on perceived emotional state and cognitive functioning in adolescents with drug abuse history: A pilot study. International Society for Neurofeedback & Research (ISNR) conference, Orlando, FL, September 12-14, 2016.
139. Sokhadze, E., Casanova, M., El-Baz, A., and Wang, Y. Event-related potential and induced gamma oscillations during emotional processing in autism spectrum disorder. International Society for Neurofeedback & Research (ISNR) conference, Orlando, FL, September 12-14, 2016.
140. Sokhadze, E., Casanova, M., Tasman, A., and Brockett, S. Auditory integration training (AIT) in children with autism spectrum disorder: Effects on auditory evoked potentials and mismatch negativity. International Society for Neurofeedback & Research (ISNR) conference, Orlando, FL, September 12-14, 2016.
141. Casanova, M., Wang, Y., Casanova, E., and Sokhadze, E. Repetitive TMS effects on autonomic balance in children with autism. Society for Neurofeedback & Research (ISNR) conference, Orlando, FL, September 12-14, 2016.
142. Sokhadze, E., El-Baz, A., Tasman, A., Wang, Y., and Casanova, M. TMS-based neuromodulation of evoked and induced gamma oscillations in autism. Presented at AAPB annual meeting, Seattle, March 10-13, 2016.
143. Sokhadze, E., & Casanova, M.F. Neuromodulation therapy integrating prefrontal rTMS and neurofeedback for the treatment of autism. IMFAR, Baltimore, MD. May 11-14, 2016.
144. Casanova, M.F., Wang, Y., Casanova, E.L., and Sokhadze E. Repetitive TMS effects on autonomic balance in children with autism. IMFAR, Baltimore, MD. May 11-14, 2016.
145. Sokhadze, E.M., Wang, Y., El-Baz, A.S., Sokhadze, G.E., and Casanova MF. Event-related potential and induced gamma study of facial expression processing deficits in autism. IMFAR, Baltimore, MD. May 11-14, 2016.
146. Casanova, M.F., and Sokhadze, E. TMS and ASD initiatives in South Carolina and the TMS China-USA project. Presented at Transcranial Magnetic Stimulation (TMS) Therapy for Autism Consensus Conference, May 10-11, 2016, Baltimore, MD.

News and media related to research of Dr Sokhadze:

- Magnetic promise: Can brain stimulation treat autism? By Lydia Denworth. *Spectrum News*, September 23, 2015. <http://spectrumnews.org/features/deep-dive/magnetic-promise-can-brain-stimulation-treat-autism-2/>
- Brain stimulation holds promise in autism treatment by Lydia Denworth, *Newsweek*, September 2015. <http://europe.newsweek.com/brain-stimulation-holds-promise-autism-treatment-333346>
- Jenni Laidman. [Trouble in mind](#). *Louisville magazine* 2013 August; 64(8): 56–62.
- Melissa Swann: [U of L scientists: Promising results in autism treatment](#) [television program]. WHAS11 News @ 11pm. First broadcast Monday, 2010 July 26 at 11:00 p.m. on WHAS11.
- [Dr. Manuel Casanova & University of Louisville autism research](#) [television program]. Louisville Life, episode #408. First broadcast Thursday, 2009 November 19 at 7:30 p.m. on KET2.

Laura Ungar: [U of L researcher receives autism grant](#). *Louisville Courier-journal*, 2009 June 22

Information from ResearchGate, Frontiers Loop, Google Scholar and LinkedIn

ResearchGate: https://www.researchgate.net/profile/Tato_Sokhadze/stats

LinkedIn: https://www.linkedin.com/in/tato-sokhadze-52985240?trk=nav_responsive_tab_profile

Google Scholar:

https://scholar.google.com/citations?view_op=list_works&hl=en&user=LSOB_IsAAAAJ&gmla=AJsN-F4RvH3RG8z8pHOF1QQcb9T_q2zSxFSvdaEUsPVHet1ToKNTCtczioFZvO-gUP1zSVVpico-NCmHC-Aa_kA374PWkBj_AY2SSWQAeGoWrN3g4Frupp8

Frontiers Loop: <http://loop.frontiersin.org/people/71979/overview>