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Leslie H. Sherlin, PhD

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Curriculum Vitae

Education:

- **2008 Doctor of Philosophy; Specialization: Psychology**
CAPELLA UNIVERSITY
Minneapolis, Minnesota
Dissertation: *The Psychometric Profile of Adolescent Attention Deficit Hyperactivity Disorder.*
- **2003 Master of Science; Specialization: Clinical Psychology**
CAPELLA UNIVERSITY
Minneapolis, Minnesota
Thesis: *Neurofeedback Applications for Attention Deficit Hyperactivity Disorder and Learning Disorder*
- **2000 Bachelor of Arts; Psychology**
THE UNIVERSITY OF TENNESSEE
Knoxville, Tennessee

Professional Certification:

- **Board Certified in Neurofeedback** Associate Fellow of the Biofeedback Certification International Alliance (formerly the Biofeedback Certification Institute of America). Certificate # E4673 exp 12/13
- **Board Certified in Biofeedback** Associate Fellow by the Biofeedback Certification International Alliance (formerly the Biofeedback Certification Institute of America). Certificate #B4673 exp 12/15
- **Certified Crisis Intervener – Level 1** by the American Psychotherapy Association and the American Board of Examiners in Crisis Intervention, 2005.
- **Quantified Electroencephalography Diplomate** by the Quantitative Electroencephalograph Certification Board, 2004. Certificate # 25

Professional Appointments:

- Apr 10 to Present
Chief Science Officer and Executive Vice President of Research and Development
NEUROTOPIA, INC., Westlake Village, CA
Lead the scientific efforts of the company, manage the scientific, research or technological operations of a company. Set the company's research and scientific priorities so that they line up with the overall mission and goals. Manage developments as well as scientific partnerships for research and discovery. Responsible for: planning and directing R&D activities; seeking industry/academia partners; managing the company's patent estate; coordinating scientific activity between sites; and developing R&D.
- Apr 10 to Present
Chief Executive Officer
NOVA TECH EEG, INC., Mesa, AZ
To implement the strategic goals and objectives of the organization. With the chair, enable the Board to fulfill its governance function. To give direction and leadership toward the achievement of the organization's philosophy, mission, strategy, and its annual goals and objectives.
- Nov 09 to Present
Founder & Managing Partner
SHERLIN CONSULTING, LLC, Mesa, AZ
Manage day-to-day operations and participate in other services of the company to the client. Services include statistical analysis and consultation, research design, didactic and practical education in psychophysiology and self regulation techniques.
- May 08 to Present
Psychology Faculty
College of Social and Behavioral Sciences
Patricia L. Kerstner, Ph.D. – Campus College Chair
UNIVERSITY OF PHOENIX, Phoenix, AZ
Ground campus instruction in Phoenix, Arizona undergraduate and graduate psychology courses. Current course approval includes General Psychology, History and Systems in Psychology, Statistical Reasoning in Psychology, Biological Foundations of Psychology, Motivational Processes in Human Psychology, Cognitive Psychology, Learning and Cognition, Theories of Personality, Industrial/Organizational Psychology, Abnormal Psychology, Environmental Psychology, Emotional Intelligence, Psychological Tests and Measurements, Elements of Clinical Psychology and Capstone Course in Psychology.
- May 07 to Present
Adjunct Faculty

Department of Psychology
NORTHERN ARIZONA UNIVERSITY, Flagstaff, AZ
Adjunct faculty appointment to perform research functions as funded by external grants. The position requires the supervision and provision for research assistant. Teaching coursework may be offered in the department of psychology as needed.

- June 05 to Present
Clinical Faculty
Neurofeedback/Biofeedback Provider
SOUTHWEST NATUROPATHIC MEDICAL CENTER, Tempe, AZ
The primary responsibilities are to provide a teaching rotation of biofeedback services to clients. The students on the rotation are 3rd and 4th year naturopathic medical students. The teaching shift provides quality care to the client with the intention of student education in the modality.
- May 05 to Present
Adjunct Assistant Professor
Department of Mind-Body Medicine
SOUTHWEST COLLEGE OF NATUROPATHIC MEDICINE,
Tempe, AZ
Instructor of “Foundations of Neurofeedback” and “Medical Applications of Biofeedback”. Additional coursework including research methods and independent research may also be requested as needed. Courses require adequate objectives, syllabi, testing and weekly course room instruction.
- Jul 09 to July 10
Co-Founder
CONTREQ, LLC, Mesa, AZ
Manage day-to-day operations and participate in other services of the company to the client.
- Nov 99 to Apr 10
President
NOVA TECH EEG, INC., Mesa, AZ
Manage day-to-day operations and oversee other departments of the company. The president shall provide direction and administrative goals and accountability to the board of directors on all matters of the business.
- Dec 05 to Dec 09
QEEG Instructor
Stens Corporation, San Rafael, CA
Contract instructor to the professional workshop on quantitative electroencephalography. This 5 day course is an advanced professional training which carries CEU and CME.

- June 05 to December 09
Director of QEEG Rapid Reporting Services
Q-METRX, INC., Burbank, CA
Manage all customers and analysis through the rapid reporting service. The primary responsibility is to complete quantitative EEG analysis and write summary and interpretive reports and return to professionals.
- Mar 02 to June 05
QEEG Technician & Neurofeedback Practitioner
ATTENTION DEFICIT DISORDER CLINIC AND SCOTTSDALE NEUROFEEDBACK INSTITUTE, Scottsdale, AZ
Provide EEG analysis service and client services. The clinical population is diverse and includes ADHD, depression, anxiety, autism, and OCD.
- Apr 00 to Mar 02
Resident Counselor
REFLECTIONS TREATMENT AGENCY, Knoxville, TN
Provide direct supervision and individual milieu services to the incarcerated adolescent males who have committed sex offenses.

Research Appointments:

- May 07 to Present
Adjunct Faculty
Department of Psychology
NORTHERN ARIZONA UNIVERSITY, Flagstaff, AZ
Obtain funding for research projects in the psychology department and carry out projects. Supervise graduate research assistant(s) in the completion of projects.
- June 05 to Dec 09
Research Associate
Q-METRX, INC., Burbank, CA
Obtain private industry sponsored research projects in field of EEG, Quantitative EEG and carry out all administrative aspects and academic components of projects. Supervise hired research assistants.
- Mar 06 to May 07
Research Associate Faculty
SOUTHWEST COLLEGE RESEARCH INSTITUTE
Southwest College of Naturopathic Medicine and Health Sciences, Tempe, AZ
Obtain funding for research projects in the psychology department and carry out projects. Supervise graduate research assistant(s) in the completion of projects
- Aug 98 to Mar 02

Laboratory Research Assistant

Joel F. Lubar, Ph.D. – Supervisor

BRAIN RESEARCH AND QEEG LABORATORY

The University of Tennessee, Knoxville, Tennessee

Carry out research project details as assigned by the principle investigator and the advising professor.

Field Training Appointments:

- June 05 to December 05

Doctoral Clinical Psychology Practicum

500 Hours - The primary emphasis of the practicum training is Psychological Screening, Critical Incident Stress Debriefings and Fitness for Duty Evaluations for contracted Police Departments and Public Safety organizations.

Stephen L. Carson, Ph.D. Psychologist - Supervisor

STEPHEN L. CARSON & ASSOCIATES, Tempe, AZ

- Apr 03 to Sept 03

Master Clinical Psychology Practicum

600 Hours - Service clients in a group private practice for psychological services, including clinical interview, diagnostic testing and treatment.

Janet Falgout, Ph.D. Psychologist - Supervisor

ATTENTION DEFICIT DISORDER CLINIC, Scottsdale, AZ

Published Articles (Refereed Journals):

- Jensen, M.P., Sherlin, L.H., Gertz, K.J., Braden, A.L., Kupper, A.E., Ganas, A., Howe, J.D., & Hakimian, S. (2012). Brain EEG activity correlates of chronic pain in persons with spinal cord injury: Clinical implications. *Spinal Cord*. (SUBMITTED)
- Sherlin, L., Larson, N.C., Sherlin, R.M. (2012). Performance Brain Training™ with Development Level Baseball Players: A Major League Baseball Program Pilot Study. *Journal of Applied Psychophysiology and Biofeedback*. (SUBMITTED)
- Sherlin, L., Gervais, M., Talley, C., & Walshe, A. (2011). Comprehensive sport performance program. *Biofeedback*, 29(3), 119-122.
- Sherlin, L., Arns, M., Lubar, J. & Sokhadze, E. (2010). A Reply to Lofthouse, Arnold, and Hurt (2010). *Journal of Neurotherapy: Investigations in Neuromodulation, Neurofeedback and Applied Neuroscience*, 14(4), 307-311. doi:10.1080/10874208.2010.523350
- Sherlin, L., Muench, F., & Wyckoff, S. (2010). Respiratory sinus arrhythmia feedback in a stressed population exposed to a brief stressor

demonstrated by quantitative EEG and sLORETA. *Applied Psychophysiology and Biofeedback*, (35), 219-228.

- Sherlin, L., Arns, M., Lubar, JF, & Sokhadze, T. (2010). A Position Paper on Neurofeedback for the Treatment of ADHD. *Journal of Neurotherapy*, 14 (2), 66-78.
- Cannon, K.B., Sherlin, L., Lyle, R.R. (2010). Neurofeedback Efficacy in the Treatment of a 43-Year Old Female Stroke Victim: A Case Study. *Journal of Neurotherapy*, 14 (2).
- Jensen, M., Sherlin, L., Hakimian, S., & Fregni, F. (2009). Neuromodulatory approaches for chronic pain management: Research findings and clinical implications. *Journal of Neurotherapy*, 13(4).
- Sherlin, L., Gevirtz, R., Wyckoff, S. & Muench, F. (2009). Effects of respiratory sinus arrhythmia biofeedback versus passive biofeedback control. *International Journal of Stress Management*, 16(3): 233-248.
- White, J.N. & Sherlin, L. H. (2008). Psychophysiology: Thinking Outside the Cap. *Biofeedback*. Vol 35, Issue 4.
- Jensen, M., Hakimian, S., Sherlin, L., & Fregni, F. (2007). New Insights into Neuromodulatory Approaches for the Treatment of Pain. *The Journal of Pain*. Mar; 9(3):193-9.
- Sherlin, L., Budzynski, T., Budzynski, H.K., Congedo, M. Fischer, M.E., & Buchwald, D. (2007). Low Resolution Electromagnetic Tomography (LORETA) in Monozygotic Twins Discordant for Chronic Fatigue Syndrome (CFS). *Neuroimage*. Vol 34, (4), 1438-1442.
- Sherlin, L., & Congedo, M., (2005). Obsessive Compulsive Disorder Localized using Low Resolution Electromagnetic brain Tomography (LORETA). *Neuroscience Letters*. Volume 387, Issue 2, October, Pages 72-74.
- Congedo, M., Ozen C., & Sherlin, L. (2002). Notes on EEG Resampling by Natural Cubic Spline Interpolation. *Journal of Neurotherapy*. Vol 6:4, pages 73-80.

Published Book Chapters:

- Budzynski, T., Budzynski, H.K., Sherlin, L., & Yi Tang, H. (2011). Audio-Visual Stimulation: Research and Clinical Practice. In J. Berger & G. Turow (Eds.), *Music, Science, and the Rhythmic Brain: Cultural and Clinical Implication*: Taylor & Francis Group Bookpoint.

- Congedo, M & Sherlin, L. (2011). EEG Source Analysis: Methods and Clinical Implications. In R. Coben & J. Evans (Eds.), *Neurofeedback and Neuromodulation Techniques and Applications*: Academic Press/Elsevier.
- Sherlin, L. (2009). Diagnosing and Treating Brain Function through the use of Low Resolution Electromagnetic Tomography (LORETA). In T. Budzynski, H. K. Budzynski, J. Evans & A. Abarbanel (Eds.), *Introduction to Quantitative EEG and Neurofeedback, Advanced Theory and Applications* (2 ed.): Elsevier.

Published Abstracts (Refereed Journals):

- Townsend, A., Sherlin, L., & Hall, J. (2006). LORETA and QEEG Correlations with the Alzheimer's Disease Assessment Scale. [Abstract]. *Journal of Neurotherapy*. Vol 9:4.
- Sherlin, L., Townsend, A., & Hall, J. (2006). LORETA Analysis of Alzheimer's Disease. [Abstract]. *Journal of Neurotherapy*. Vol 9:4.
- Sherlin, L., Budzynski, T., Budzynski, H.K., Congedo, M. Fischer, M.E., Goldberg, J., Ashton, S., & Buchwald, D. (2005). Low Resolution Electromagnetic Tomography (LORETA) in Monozygotic Twins Discordant for Chronic Fatigue Syndrome (CFS). [Abstract]. *Journal of Neurotherapy*. Vol 9:1.
- Smith, P., Sams, M.W., & Sherlin, L. (2004). The Neurological Basis of Eating Disorders. I: EEG Findings and the Clinical Outcome of Adding Symptom-Based, QEEG-Based, and Analog/QEEG-Based Remedial Neurofeedback Training to Traditional Treatment Plans. [Abstract]. *Journal of Neurotherapy*. Vol 8:4.
- Sherlin, L., & Congedo, M., (2004). Obsessive Compulsive Disorder Localized using Low Resolution Electromagnetic brain Tomography (LORETA) [Abstract]. *Journal of Neurotherapy*. Vol 8:2.
- Sherlin, L., & Congedo, M., (2003). Obsessive Compulsive Disorder Localized using Low Resolution Electromagnetic brain Tomography (LORETA) [Abstract]. *Applied Psychophysiology and Biofeedback*. Vol 28:40 p311.
- Budzinski, T., Budzinski, H., & Sherlin, L. (2002). Short and Long Term effects of Audio Visual Stimulation (AVS) on an Alzheimer's Patient as documented by Quantitative Electroencephalography (QEEG) and Low Resolution Electromagnetic brain Tomography (LORETA) [Abstract]. *Journal of Neurotherapy*. Vol 6:1.

Scientific Presentations & Lectures:

- Sherlin, L., Gervais, M., Talley, C., Larson, N. C., & Walshe, A. (August 2012). *An Integrative Approach to High Performance Evaluation and Training: Illustrated by Data of a Professional Boxer* Presentation at the Annual meeting of the American Psychological Association, Orlando, FL.
- Sherlin, L. (March 2012). *High Performance Brain Training: Old Idea – New Reality*. **Invited speaker** to the Mexican Society for Bio and Neurofeedback 1st Annual Conference, Mexico City, Mexico.
- Sherlin, L. (March 2012). *High Performance Brain Training: Old Idea – New Reality*. **Invited speaker** to the World Scientific Congress of Golf, Phoenix, AZ.
- Larson, N.C., Sherlin, L., Baker, A. R., Gervais, M., & Walshe, A. (March 2012). *Physiological Reactivity and Performance Outcomes Under High Pressure in Golfers of Varied Skill Levels*. **Oral Presentation** to the World Scientific Congress of Golf, Phoenix, AZ.
- Baker, A., Sherlin, L., Larson, N.C., Gervais, M., & Walshe, A. (March 2012). *Skill Level of Golfer Impacts the Variability of EEG Measures Under Different Pressure Settings: A Pilot Investigation*. **Poster Presentation** to the World Scientific Congress of Golf, Phoenix, AZ.
- Sherlin, L. (October 2011). *Multi-modal Evaluation Strategies for Improving Self-regulation Training Plans: An Integrative Approach for Optimizing the Brain's Performance*. **Keynote speaker** to the Mid-Atlantic Society for Biofeedback and Behavioral Medicine, Loyola University, Columbia, MD.
- Sherlin, L. (September 2011). *Optimizing the Brain's Performance*. Small Group discussion presentation at the 19th Annual meeting of the International Society for Neurofeedback and Research, Carefree, AZ.
- Sherlin, L., Gervais, M., & Walshe, A. (September 2011). *Where fear, risk, thrill, and performance mastery meet: Action sport athlete brain states*. Poster presentation at the 19th Annual meeting of the International Society for Neurofeedback and Research, Carefree, AZ.
- Sherlin, L. (August 2011). *ADHD and Neurofeedback: Latest Efficacy Research Overview*. **Keynote speaker** to the Applied Neurosciences Society of Australasia, Sydney, Australia.
- Sherlin, L. (August 2011). *LORETA Source Localization technique:*

Application and practical significance. **Keynote speaker** to the Applied Neurosciences Society of Australasia, Sydney, Australia.

- Sherlin, L. (August 2011). *Optimizing the Brain's Performance*. Brain Health Expo, Sydney, Australia.
- Sherlin, L., Gervais, M., & Walshe, A. (August 2011). *Where fear, risk, thrill, and performance mastery meet: Action sport athlete brain states*. Poster presentation at the Annual meeting of the American Psychological Association, Washington, D.C.
- Galper, D. & Sherlin, L. (August 2011). *Translating Research into Your Everyday Clinical Practice*. **Invited Participant** to the Symposium conducted at the Annual meeting of the American Psychological Association *Randomized Control Trials: Important Research for Psychology and Clinical Practice*, Cochran, S.D. (Chair), Kauffman, P.F., Freedland, K.E., Galper, D., Sherlin, L.H., Sher, K.J. (Discussant) & Berman, D.S. (Discussant). Washington, D.C.
- Sherlin, L. (May 2011). *Learning Theory Principles in Neurofeedback*. **Invited speaker** to the Society of Applied Neurosciences, Thessaloniki, Greece.
- Sherlin, L. (May 2011). *sLORETA Feedback Studies in Chronic Pain*. Oral Presentation to the Society of Applied Neurosciences, Thessaloniki, Greece.
- Sherlin, L. (February 2011). *Optimizing the Brain's Performance*. **Invited speaker** to Alumni of the Department of Leadership in Education, Human Services and Counseling at Bradley University, Peoria, IL.
- Sherlin, L. (February 2011). *Your Brain: Implications for Healthy Living*. **Invited speaker** to Department of Leadership in Education, Human Services and Counseling at Bradley University, Peoria, IL.
- Wyckoff, S., Sherlin, L., & Muench, F. (April, 2010). *QEEG effects as a result of single session Respiratory Sinus Arrhythmia feedback in an anxiety population*. Poster session presented at the 14th annual meeting of the Biofeedback Foundation of Europe, Rome, Italy.
- Wyckoff, S., Sherlin, L., & Muench, F. (September, 2009). *QEEG effects as a result of single session Respiratory Sinus Arrhythmia feedback in an anxiety population*. Poster session presented at the Autumn School 2009 Annual Meeting, Tübingen, Germany.

- Sherlin, L. (July 2009). EEG Assessment and Intervention: Quantitative Electroencephalographic Techniques and Neurophysiological Symptom Integration for Assessment and Operant Conditioning of the EEG. Keynote Presentation at the Biofeedback Society of Florida, Orlando, FL.
- Sherlin, L. (May 2008). EEG/QEEG Basics for Neurofeedback Providers. Short Course Presentation at the Association for Applied Psychophysiology and Biofeedback 39th Annual Meeting, Daytona Beach, FL.
- Sherlin, L. and Wyckoff, S. (May 2008). RSA Biofeedback Impact upon Limbic Current Source Density in an Anxiety Population. Paper Presentation at the Association for Applied Psychophysiology and Biofeedback 39th Annual Meeting, Daytona Beach, FL.
- Sherlin, L. and Wyckoff, S. (May 2008). QEEG Effects as a result of Single Session Respiratory Sinus Arrhythmia Feedback in an Anxiety Population. Poster Presentation at the Association for Applied Psychophysiology and Biofeedback 39th Annual Meeting, Daytona Beach, FL.
- Sherlin, L. (September 2007). Building a Clinical Database: A Proposal and Plan. Paper Presentation at the 15th annual meeting of the International Society for Neurofeedback and Research, San Diego, CA.
- Sherlin, L. & Congedo, M. (September 2007). Independent Component Analysis (ICA): new advances in guiding neurofeedback intervention. Paper Presentation at the 15th annual meeting of the International Society for Neurofeedback and Research, San Diego, CA.
- Sherlin, L. (May 2007). Independent Component Analysis (ICA): new advances in guiding neurofeedback intervention. In Congedo, M. (Chair), LORETA, ICA and other advanced modeling. Symposium conducted at the Applied Neuroscience for Healthy Brain Function, Nijmegen, The Netherlands.
- Stevens, L. & Sherlin, L. (February 2007). A Movie of Continuous EEG Changes Occurring Across Hypnotic Induction, Deepening, and Suggestions. Video presentation as part of a symposium entitled “EEG Spectral, Coherence, MRI, and Database Analyses: Hypnosis and Pain” presented at the Association for Applied Psychophysiology and Biofeedback 38th Annual Meeting, Monterey, California.
- Greene, M., Stevens, L., & Sherlin, L. (February 2007). Continuous EEG Power Spectral and LORETA Virtual MRI Analyses Throughout a 7-Stage Clinical Hypnosis Trance Process. Paper presented as part of a

symposium entitled “EEG Spectral, Coherence, MRI, and Database Analyses: Hypnosis and Pain” presented at the Association for Applied Psychophysiology and Biofeedback 38th Annual Meeting, Monterey, California.

- Wyckoff, S., Stevens, L., Sydeman, S., Wirtz, D., & Sherlin, L. (February 2007). QEEG Normative Database Comparison Across 7 Stages of Hypnotic Trance. Paper presented as part of a symposium entitled “EEG Spectral, Coherence, MRI, and Database Analyses: Hypnosis and Pain” presented at the Association for Applied Psychophysiology and Biofeedback 38th Annual Meeting, Monterey, California.
- Stevens, L., Pisano, D., & Sherlin, L. (February 2007). Synchronizing the Brain with Hypnosis: Effects of Hypnosis on EEG Coherence. Paper presented as part of a symposium entitled “EEG Spectral, Coherence, MRI, and Database Analyses: Hypnosis and Pain” presented at the Association for Applied Psychophysiology and Biofeedback 38th Annual Meeting, Monterey, California.
- Greene, M., Stevens, L., & Sherlin, L. (January 2007). Continuous 19-Channel EEG and Simulated MRI Recordings Throughout a 7-Stage Clinical Hypnosis Trance Process. Paper presented as part of a symposium entitled “EEG Brain map and MRI Studies of Clinical Hypnosis: Power Spectral, Normative Database, and Coherence Analyses” at the ASCH-SCEH 1st Joint Annual Meeting, Dallas, Texas.
- Wyckoff, S., Stevens, L., Sydeman, S., Wirtz, D., & Sherlin, L. (January 2007). Quantitative EEG Normative Database Analysis of Clinical Hypnosis. Paper presented as part of a symposium entitled “EEG Brain map and MRI Studies of Clinical Hypnosis: Power Spectral, Normative Database, and Coherence Analyses” at the ASCH-SCEH 1st Joint Annual Meeting, Dallas, Texas.
- Pisano, D., Stevens, L., & Sherlin, L. (January 2007). Effects of Clinical Hypnosis on EEG Coherence: Synchronizing the Brain with Hypnosis. Paper presented as part of a symposium entitled “EEG Brain map and MRI Studies of Clinical Hypnosis: Power Spectral, Normative Database, and Coherence Analyses” at the ASCH-SCEH 1st Joint Annual Meeting, Dallas, Texas.
- Stevens, L. & Sherlin, L. (January 2007). A Movie of Continuous EEG Changes Occurring Across Hypnotic Induction, Deepening, and Suggestions. Video presentation as part of a symposium entitled “EEG Brain map and MRI Studies of Clinical Hypnosis: Power Spectral, Normative Database, and Coherence Analyses” at the ASCH-SCEH 1st Joint Annual Meeting, Dallas, Texas.

- Sherlin, L., Congedo, M., & Kropotov, J. (September 2006). sLORETA – Tomographic Analysis and Feedback. Roundtable presentation at the 1st annual meeting of the Society of Applied Neuroscience, Swansea, Wales.
- Sherlin, L., Budzynski, T., Budzynski, H.K., & Congedo, M. (September 2006). Low Resolution Electromagnetic Tomography (LORETA) in Monozygotic Twins Discordant for Chronic Fatigue Syndrome (CFS). Oral paper presentation at the 1st annual meeting of the Society of Applied Neuroscience, Swansea, Wales.
- Sherlin, L. (September 2006). Qualitative and Quantitative Analysis of a Single Case Study Examining the Effects of Neurofeedback Training in an Autism Diagnosed Child. Paper Presentation at the 14th annual meeting of the International Society for Neuronal Regulation, Atlanta, GA.
- Wyckoff, S., Stevens, L., & Sherlin, L. (September 2006). A Normative Database Analysis of EEG Effects of Clinical Hypnosis. Paper Presentation at the 14th annual meeting of the International Society for Neuronal Regulation, Atlanta, GA.
- Simms, L., Davis, R., Bodenhamer-Davis, E., & Sherlin, L. (September 2006). QEEG Findings with Adults Reporting a History of Sex Addiction. Paper Presentation at the 14th annual meeting of the International Society for Neuronal Regulation, Atlanta, GA.
- Sherlin, L., Townsend, A., & Hall, J. (March 2006). sLORETA Analysis of Alzheimer's Disease. Paper presentation at the 37th annual meeting of the Association of Applied Psychophysiology and Biofeedback, Portland, OR.
- Townsend, A., Sherlin, L., & Hall, J. (March 2006). sLORETA and QEEG Correlations with the Alzheimer's Disease Assessment Scale. Paper presentation at the 37th annual meeting of the Association of Applied Psychophysiology and Biofeedback, Portland, OR.
- Wyckoff, S., Stevens, L., & Sherlin, L. (March 2006). A Normative Database Analysis of EEG Effects of Clinical Hypnosis. Paper Presentation at the 37th annual meeting of the Association of Applied Psychophysiology and Biofeedback, Portland, OR.
- Larsen, S., Yee, W.K., Gerbarg, P., Brown, R.P., Gunkelman, J., Sherlin, L. (February 2006). Neurophysiological Markers of Sudarshan Kriya Yoga Practices: A Pilot Study. Paper presentation at the World Conference of Expanding Paradigms: Science, Consciousness & Spirituality, All India Institute of Medical Sciences, New Delhi, India.

- Sherlin, L., Townsend, A., & Hall, J. (September 2005). sLORETA Analysis of Alzheimer's Disease. Paper presentation at the 13th annual meeting of the International Society for Neuronal Regulation, Denver, CO.
- Morgan, E., & Sherlin, L. (September 2005). Cognitive Switching Deficits Reflected in the EEG. Paper presentation at the 13th annual meeting of the International Society for Neuronal Regulation, Denver, CO.
- Townsend, A., Sherlin, L., & Hall, J. (September 2005). sLORETA and QEEG Correlations with the Alzheimer's Disease Assessment Scale. Paper presentation at the 13th annual meeting of the International Society for Neuronal Regulation, Denver, CO.
- Sherlin, L., Budzynski, T., Budzynski, H.K., Congedo, M. Fischer, M.E., Goldberg, J., Ashton, S., & Buchwald, D. (March 2005). Low Resolution Electromagnetic Tomography (LORETA) in Monozygotic Twins Discordant for Chronic Fatigue Syndrome (CFS). Paper presentation at the 36th annual meeting of the Association of Applied Psychophysiology and Biofeedback, Austin, TX.
- Sherlin, L., Budzynski, T., Budzynski, H.K., & Congedo, M. (March 2005). Low Resolution Electromagnetic Tomography (LORETA) in Monozygotic Twins Discordant for Chronic Fatigue Syndrome (CFS). Poster presentation at the 36th annual meeting of the Association of Applied Psychophysiology and Biofeedback, Austin, TX.
- Morgan Canyock, E., Sherlin, L., & Baird, B. (March 2005). Cognitive Switching Deficits Reflected in the EEG. Paper presentation at the 36th annual meeting of the Association of Applied Psychophysiology and Biofeedback, Austin, TX.
- Sherlin, L., Budzynski, T., Budzynski, H.K., Fischer, M.E., Goldberg, J., Ashton, S., & Buchwald, D. (August 2004). Low Resolution Electromagnetic Tomography (LORETA) in Monozygotic Twins Discordant for Chronic Fatigue Syndrome (CFS). Paper presentation at the 12th annual meeting of the International Society for Neuronal Regulation, Ft. Lauderdale, FL.
- Sherlin, L., & Congedo, M. (April 2004). Obsessive Compulsive Disorder Localized using Low Resolution Electromagnetic brain Tomography (LORETA). Paper presentation at the 35th annual meeting of the Association of Applied Psychophysiology and Biofeedback, Colorado Springs, CO.

- Sherlin, L., & Congedo, M (April 2004). Obsessive Compulsive Disorder Localized using Low Resolution Electromagnetic brain Tomography (LORETA). Poster presentation at the 35th annual meeting of the Association of Applied Psychophysiology and Biofeedback, Colorado Springs, CO.
- Sherlin, L., & Congedo, M (September 2003). Obsessive Compulsive Disorder Localized using Low Resolution Electromagnetic brain Tomography (LORETA). Paper presentation at the 11th annual meeting of the International Society for Neuronal Regulation, Houston, TX.
- Smith, P., Sams, M., & Sherlin, L. (September 2003). The Neurological Basis of Eating Disorders. I: EEG Findings and the Clinical Outcome of Adding Symptom-Based, QEEG-Based, and Analog/QEEG-Based Remedial Neurofeedback Training to Traditional Treatment Plans. Paper presentation at the 11th annual meeting of the Society for Neuronal Regulation, Houston, TX
- Sherlin, L., & Congedo, M. (March 2003). Obsessive Compulsive Disorder Localized using Low Resolution Electromagnetic brain Tomography (LORETA). Paper presentation at the 34th annual meeting of the Association of Applied Psychophysiology and Biofeedback, Jacksonville, FL
- Lubar, J.F., Congedo, M., & Sherlin, L. (September 2002). LORETA of Cerebral Activity in Chronic Depressive Disorder. Paper presentation at the 10th annual meeting of the Society for Neuronal Regulation, Scottsdale, AZ.
- Budzynski, T., Sherlin, L., & Seiver, D. (September 2002). QEEG, LORETA and SKIL Analyses of Monozygotic Twins Discordant for Chronic Fatigue Syndrome. Panel Discussion presentation at the 10th annual meeting of the Society for Neuronal Regulation, Scottsdale, AZ.
- Gurnee, R., & Sherlin, L. (September 2002). Learning Disabilities Case Study: Elevated Beta correlating with ADHD, Auditory Processing Disorder, Dyslexia, and Math Learning Disability. Poster presentation at the 10th annual meeting of the Society for Neuronal Regulation, Scottsdale, AZ.
- Budzinski, T., & Sherlin, L. (March 2002). Short and Long Term effects of Audio Visual Stimulation (AVS) on an Alzheimer's Patient as documented by Low Resolution Electromagnetic brain Tomography (LORETA). Paper presentation at the 33rd annual meeting of the Association of Applied Psychophysiology and Biofeedback, Las Vegas, NV.

- Budzinski, T., & Sherlin, L. (February 2002). Short and Long Term effects of Audio Visual Stimulation (AVS) on an Alzheimer's Patient as documented by Low Resolution Electromagnetic brain Tomography (LORETA). Paper presentation at the annual meeting Future Health, Miami, FL.
- Budzinski, T., & Sherlin, L. (October 2001). Short and Long Term effects of Audio Visual Stimulation (AVS) on an Alzheimer's Patient as documented by Quantitative Electroencephalography (QEEG) and Low Resolution Electromagnetic brain Tomography (LORETA). Paper presentation at the 9th annual meeting of the Society for Neuronal Regulation, Monterey, CA.
- Sherlin, L. (April 2001). LORETA differences in adult ADHD and non-clinical controls during three neuropsychological tasks. In J.F. Lubar (Chair), Low Resolution Electromagnetic Tomography (LORETA) in Adult ADHD. Symposium conducted at the 32nd annual meeting of the Association of Applied Psychophysiology and Biofeedback, Raleigh-Durham, NC.

Scientific Workshops (Commercial Workshops excluded):

- Sherlin, L. (March 2010). Ethics for Neurofeedback and Biofeedback Providers. Short Course Presentation at the Association for Applied Psychophysiology and Biofeedback 40th Annual Meeting, San Diego, CA.
- Sherlin, L. (September 2010). Neurofeedback and QEEG in Chronic Pain. Small Group Discussion at the International Society for Neurofeedback and Research 18th Annual Meeting, Denver, CO.
- Sherlin, L. (September 2009). Low Resolution Electromagnetic Brain Tomography. Small Group Discussion at the International Society for Neurofeedback and Research 17th Annual Meeting, Indianapolis, IN.
- Sherlin, L., & Horvat, J. (September 2007). Ethics in QEEG and Neurofeedback: Professional Standards and Cases. Workshop presentation at the 15th annual meeting of the International Society for Neurofeedback and Research, San Diego, CA.
- Sherlin, L., & Gunkelman, J. (September 2006). Quantitative Electroencephalography – Back to the Basics (Days 1 & 2). Workshop presentation at the 14th annual meeting of the International Society for Neuronal Regulation, Atlanta, GA.
- Sherlin, L., & Demos, J. (September 2005). BCIA Didactic Training on Basic Neurophysiology & Neuroanatomy. Workshop presentation at the

13th annual meeting of the International Society for Neuronal Regulation, Denver, CO.

- Sherlin, L., & Demos, J. (September 2005). BCIA Didactic Training on Research and Psychopharmacological Considerations. Workshop presentation at the 13th annual meeting of the International Society for Neuronal Regulation, Denver, CO.
- Sherlin, L., & Demos, J. (September 2005). BCIA Didactic Training on Professional Conduct. Workshop presentation at the 13th annual meeting of the International Society for Neuronal Regulation, Denver, CO.
- Sherlin, L., & Myer, D. (September 2005). QEEG & LORETA analysis: Details you were afraid to ask. Workshop presentation at the 13th annual meeting of the International Society for Neuronal Regulation, Denver, CO.
- Congedo, M., Lubar, J.F., & Sherlin, L. (September 2003). Exact Statistics for qEEG and LORETA Data: A Theoretical Tutorial and a Computer Program for Performing Analysis. Workshop presentation at the 11th annual meeting of the Society for Neuronal Regulation, Houston, TX.
- Congedo, M., Lubar, J.F., Pascual-Marqui, R., & Sherlin, L. (September 2002). Combining Enhanced QEEG and LORETA Analysis: Clinical Intervention and Research. Workshop presentation at the 10th annual meeting of the Society for Neuronal Regulation, Scottsdale, AZ.
- Lubar, J.F, Congedo, M., Joffe, D., Sherlin, L. (October 2001). LORETA 3-D Neurofeedback, Normative Database and New Findings (Part I and II). Workshop presentation at the 9th annual meeting of the Society for Neuronal Regulation, Monterey, CA.

Grant Support:

Active

- Aug 09 – Aug 11
Grant number 1R21HS058049-01A2 from NIH/NHHS
Jensen (PI)
“Cortical Pain Modulation”
Overall goal is to determine the effects of four neuromodulatory pain treatments (tDCS, hypnosis, neurofeedback and meditation) on pain and EEG activity.
Role: Consultant

Pending

Completed

- Jul 09 – Jul 11
(Consultant)
Grant number none from Craig Nielsen Foundation
Jensen (PI)
“Cortical Pain Modulation”
Overall goals are to (1) determine differences in EEG activity in individuals with SCI and chronic pain, relative to individuals with SCI and no pain and healthy controls and (2) determine the effects of a neurofeedback treatment protocol on pain and EEG activity in individuals with SCI and chronic pain.
Role: Consultant
- Feb 08 – Feb 09
Private Grant from Helicor, Inc Sherlin (PI)
“Acute Effects of the BWE3000 on EEG Physiology and State Anxiety”
Overall goal is to evaluate individuals listening to either the binaural beat program of the BWE3000 or a music only placebo control. The objective is to test if and how the BWE3000 affects EEG reading in comparison to the control group.
Role: Principle Investigator
- July 07 – Jul 07
Private Grant from Helicor, Inc Sherlin (PI)
“A Randomized Controlled Study of the Effects of an Ambulatory Biofeedback Device on Physiology and State Anxiety”
Overall goal is to evaluate the effects of a heart rate variability/breathing biofeedback device on physiology, perceived stress level and performance on a cognitive challenge task.
Role: Principle Investigator

Television/Radio Appearances:

- Sherlin, L. in Roth, J.D., Nelson, T.A., Greener, A., Wilson, D., McCabe, C. Hirschorn, M., Olde, J., Murch, S. (Executive Producers). (2008). Kosmo Returns [Television series episode]. In Angela Malloy (Producer), *The Pickup Artist*. Manhattan Beach, CA: 3Ball Productions shown on VH1.

Professional Organization Office Assignments:

- September 11 to Present
Past President to the Board of Directors
International Society for Neurofeedback and Research

- October 10 to Present
Chair Elect to the Board of the Directors
Biofeedback Certification International Alliance
- September 10 to September 11
President to the Board of Directors
International Society for Neurofeedback and Research
- April 10 to October 10
Director at Large to the Board of the Directors
Biofeedback Certification International Alliance (formerly the
Biofeedback Certification Institute of America)
- Jan 10 to Present
Editorial Board Member, *Journal of Neurotherapy: Investigations in
Neuromodulation, Neurofeedback and Applied Neuroscience*
- September 09 to September 10
President Elect to the Board of Directors
International Society for Neurofeedback and Research
- September 08 to September 09
Member at Large to the Board of Directors
International Society for Neurofeedback and Research
- May 08 to April 10
Secretary & Treasurer to the Board of the Directors
Biofeedback Certification Institute of America
- September 07 to September 08
Sergeant at Arms to the Board of Directors
International Society for Neurofeedback and Research
- August 07 to May 08
Director at Large to the Board of the Directors
Biofeedback Certification Institute of America
- September 06 to September 07
Member at Large to the Board of Directors
International Society for Neurofeedback and Research
- September 06 to September 08
Student Representative to the Council of the
Society of Applied Neuroscience

- September 04 to September 06
Student Representative to the Council of the
Society of Applied Neuroscience

Professional Organization Committee Assignments:

- September 09 to Present
Member of the Executive Committee of the
International Society for Neurofeedback and Research
- May 08 to Present
Member of the Executive Committee of the
Biofeedback Certification International Alliance (formerly the
Biofeedback Certification Institute of America)
- February 08 to Present
Member of the Certification Review Committee of the
Biofeedback Certification International Alliance (formerly the
Biofeedback Certification Institute of America)
- January 08 to Present
BCIA representative to the EEG Standards joint committee of the
Association of Applied Psychophysiology and Biofeedback, Biofeedback
Certification International Alliance and the International Society of
Neurofeedback and Research.
- September 07 to Present
Member of the Committee on Structure of the
International Society for Neurofeedback and Research
- September 07 to Present
Member of the Website Committee of the
International Society for Neurofeedback and Research
- September 07 to Present
Chair of the Conference Committee of the
International Society for Neurofeedback and Research
- August 07 to Present
Chair of the EEG Committee of the
Biofeedback Certification International Alliance (formerly the
Biofeedback Certification Institute of America)
- November 06 to September 08
Chair of the Student Advocacy Committee of the
International Society for Neurofeedback and Research

- November 06 to September 07
Co-Chair of the Membership Committee of the
International Society for Neurofeedback and Research

Honors/Awards:

- Past Presidents Award, 19th annual meeting of the International Society for Neurofeedback and Research, Carefree, AZ.
- Presidential Award, 17th annual meeting of the International Society for Neurofeedback and Research, Indianapolis, IN.
- Citation Paper, 39th Annual Meeting of the Association of Applied Psychophysiology and Biofeedback, Daytona Beach, FL.
- Student Award, 1st annual meeting of the Society of Applied Neuroscience, Swansea, Wales.
- Student Scholarship Award, 14th annual meeting of the Society for Neuronal Regulation, Atlanta, GA.
- Citation Paper, 37th Annual Meeting of the Association of Applied Psychophysiology and Biofeedback, Portland, OR.
- Student Scholarship Award, 13th annual meeting of the Society for Neuronal Regulation, Denver, CO.
- Certificate of honors by colleagues of the clinical psychology specialization for exceptional skill in cohort leadership. Presented by Scottsdale, AZ cohort of the Harold Abel School of Psychology, 2004-2005 Year-in-Residence, Capella University.
- Best Student Paper Presentation, 36th Annual Meeting of the Association of Applied Psychophysiology and Biofeedback, Austin, TX. Presented by Thought Technology, Inc.
- Citation Paper, 36th Annual Meeting of the Association of Applied Psychophysiology and Biofeedback, Austin, TX.
- Citation Poster, 36th Annual Meeting of the Association of Applied Psychophysiology and Biofeedback, Austin, TX.
- Student Scholarship Award, 36th Annual Meeting of the Association of Applied Psychophysiology and Biofeedback, Austin, TX.

- Student Scholarship Award, 12th annual meeting of the Society for Neuronal Regulation, Ft. Lauderdale, FL.
- Student Scholarship Award, 35th Annual Meeting of the Association of Applied Psychophysiology and Biofeedback, Colorado Springs, CO.
- Student Scholarship Award, 11th annual meeting of the Society for Neuronal Regulation, Houston, TX.
- Student Scholarship Award, 34th Annual Meeting of the Association of Applied Psychophysiology and Biofeedback, Jacksonville, FL.
- Citation Paper, 33rd Annual Meeting of the Association of Applied Psychophysiology and Biofeedback, Las Vegas, NV.
- Outstanding Undergraduate Research Assistant, Department of Psychology, The University of Tennessee, May 2001, Knoxville, Tennessee.

Current Professional Membership:

- APA Division 47: Exercise and Sport Psychology. Member since 2012.
- Association of Applied Sport Psychology. Member since 2012.
- Honorary Member, Applied Neurosciences Society of Australasia. Member Since 2011.
- International Society for Neurofeedback and Research (Previously the International Society for Neuronal Regulation). Member since 2002.
- American Psychological Association. Member since 2000.

Ancillary Certifications:

- **Standard First Aid** by the American Red Cross, expires 10/21/2014.
- **CPR – Adult** by the American Red Cross, expires 10/21/2014.
- **CPR – Child** by the American Red Cross expires 10/21/2014.

Volunteer Appointments:

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- August 2007 to Present. Arizona Off Highway Vehicle Ambassador to the Arizona State Parks, US Forest Service, Bureau of Land Management, AZ Game and Fish, AZ State Land Dept and County Sheriffs.

Social Membership:

- Phi Mu Alpha Sinfonia Fraternity. Theta Omicron Chapter – The University of Tennessee Alumni. Member since 1993.
- Arizona Golf Association. Club: Augusta Ranch, Local #651. Member since 2008.