

1. Research Contributions over the Last Six Years (2016-2022)**a) Refereed contributions (Selected): Books and Book Chapters**

1. **Edelson, S.M.** & Johnson, J.B. (2022, Editors). *Understanding and Treating Sleep Disturbances in Autism*. London: Jessica Kingsley Press.
2. **Edelson, S.M.**, & Johnson, J.B. (2021, Editors). *Understanding and Treating Anxiety in Autism*. London: Jessica Kingsley Press.
3. **Edelson, S.M.**, Van de Water, J., & Edelson, M.S.G. (2021). The immune system and anxiety: A case for toxic exposure. In S.M. Edelson & J.B. Johnson (Eds.), *Understanding and treating anxiety in autism* (pp. 57-66). London: Jessica Kingsley Publishers.
4. Sokhadze, E.M., Kaplan, M., Kotsamanidis-Burg, B., **Edelson, S.M.**, Dombroski, B., & Casanova, M.F. (2019). Effects of wearing ambient prism lenses and visuo-motor training on aberrant and repetitive behaviors and psychophysiological reactivity in children with autism. Published in E.M. Sokhadze, M.F. Casanova (eds.), *Autism Spectrum Disorder: Neuromodulation, Neurofeedback, and Sensory Integration Approaches to Research and Treatment*. Murfreesboro, TN & Corpus Christi, TX: Foundation for Neurofeedback & Neuromodulation Research Press.
5. **Edelson, S.M.**, & Johnson, J.B. (2016, Editors). *Understanding and Treating Self-Injurious Behavior in Autism*. London: Jessica Kingsley Press. [wrote introductory and concluding chapters]

b) Refereed contributions (Selected): Journals

1. **Edelson, S.M.** (2022). Evidence from characteristics and comorbidities suggesting that Asperger syndrome is a subtype of autism spectrum disorder. *Genes*, *13*(2), 274. doi: <https://doi.org/10.3390/genes13020274>
2. **Edelson, S.M.** (2022). Understanding challenging behaviors in autism spectrum disorder: A multi-component, interdisciplinary model. *Journal of Personalized Medicine*, *12*, 1127. doi: 10.3390/jpm12071127
3. **Edelson, S.M.** (2021). Comparison of autistic individuals who engage in self-injurious behavior, aggression, and both behaviors. *Pediatric Reports*, *13*, 558-565. doi: 10.3390/pediatric13040066
4. **Edelson, S.M.**, Nicholas, D.B., Stoddart, K.P., Bauman, M.B., Mawlam, L., Lawson, W.B., Jose, C., Morris, R., & Wright, S.D. (2021). Strategies for research, practice, and policy for autism in later life: A report from a think tank on aging and autism. *Journal of Autism and Developmental Disorders*, *51*(1), 382-390. doi: 10.1007/s10803-020-04514-3
5. **Edelson, S.M.** (2020). Overview of various treatment approaches and their impact on several difficult-to-treat conditions. *Autism and Developmental Disorders (Russia)*, *18*(3), 38-45.
6. Mahapatra, S., Khokhlovich, E., Martinez, S., Kannel, B., **Edelson, S.M.**, & Vyshedskiy, A. (2020). Longitudinal epidemiological study of autism subgroups using Autism Treatment Evaluation Checklist (ATEC) score. *Journal of Autism and Developmental Disorders*, *50*(5), 1497-1508. doi: 10.1007/s10803-018-3699-2
7. Vyshedskiy, A., Khokhlovich, E., Dunn, R., Faisman, A., Elgart, J., Lokshina, L., Gankin, V., Ostrovsky, S., deTorres, L., **Edelson, S.M.**, & Ilyinskii, P.O. (2020). Novel prefrontal synthesis intervention improves language in children with autism. *Healthcare*, *8*(4), 566. doi: 10.3390/healthcare8040566
8. **Edelson S.M.** (2019). Research issues involving the biology of autism. *Autizm i narušenie razvitiâ [Autism and Developmental Disorders]*, *17*(1), 4-14. doi:10.17759/autdd.2019170102. (In Russian, abstract in English)
9. Mahapatra, S., Vyshedsky, D., Martinez, S., Kannel, B., Braverman, J., **Edelson, S.M.**, & Vyshedskiy, A. (2018). Autism treatment evaluation checklist (ATEC) norms: A "growth chart" for ATEC score changes as a function of age. *Children*, *5*(2), 25. doi: 10.3390/children5020025
10. Casanova, E.L., Sharp, J.L., **Edelson, S.M.**, Kelly, D.P., & Casanova, M.F. (2018). A cohort study comparing woman with autism spectrum disorder with and without generalized joint hypermobility. *Behavior Sciences*, *8*(3), 35. doi: 10.3390/bs8030035
11. Frye, R.E., Casanova, M.F., Fatemi, S.H., Folsom, T.D., Reutiman, T.J., Brown, G.L., **Edelson, S.M.**, Slattery, J.C., & Adams, J.B. (2016). Neuropathological mechanisms of seizures in autism spectrum disorder. *Frontiers in Neuroscience*, *10*, 192. doi: 10.3389/fnins.2016.00192. eCollection 2016

2. Other Research Contributions

- Research Associate (1989-2006): Autism Research Institute, San Diego, CA.

- Consultant (1988-1990): Lanterman Developmental Center, Pomona, CA. Work involves research on classification and physiological correlates of self-injurious behavior as well as evaluation and treatment recommendations for residents.
- Consultant (1985 to 1989): ITX Laboratories, North Hollywood, CA. Work involves curriculum development and evaluation of tutorial computer systems designed for communication and learning handicapped children.

3. Most Significant Career Research Contributions

- Planning and Facilitating (2017): International Think Tank Meeting on Autism and Aging
- Board Member (2007 to 2010), Member of the Panel of Professional Advisors (1998-Present): Autism Society of America, Rockville, MD. Evaluating the efficacy of several sensory-based interventions reported to improve hearing, vision, and deep pressure.
- Executive Director (2006-Present): Autism Research Institute, San Diego, CA. Research involves examining issues in autism, including diagnosis, classification, and treatment issues.
- President (1992-2000): Society for Auditory Intervention Techniques. Research on the impacts of auditory integration training.
- Director (1991 to 2006): Center for the Study of Autism, Salem, OR. Work involved conducting research on the efficacy of different interventions for people with autism.

4. Career Interruptions and Special Circumstances: N/A

5. Contributions to Training: N/A

6. Relevant Experience

Dr. Edelson is the Executive Director of the Autism Research Institute (ARI) and has previously led the Autism Society of Oregon, Society for Auditory Intervention Techniques, and Center of Study for Autism. With over 40 years of experience in the field of autism, Dr. Edelson has spent decades spearheading research design. He has developed effective measures of sensory symptoms relevant to the level of disability and established a network of researchers and medical providers that frequently convene to discuss emerging findings with the potential to improve the health and well-being of people with autism.

Dr. Edelson was a key leader and facilitator of the Think Tank meeting on Aging and Autism held in October 2017. This meeting had 27 participants from Canada, the United States, Australia, England, and the Netherlands. Autistic adults, clinicians, service providers, researchers, and opinion leaders were among the attendees. The objectives of this Think Tank were to:

1. Bring together stakeholders, service providers, researchers, and policymakers in an effort to identify individual and contextual factors facing the aging autistic population and their families.
2. Promote a multi-disciplinary approach to identifying the unmet physical, medical, social and service needs of older autistic adults and their families.
3. Facilitate international networking and collaboration to advance research, knowledge, and solutions for age-related concerns in autistic individuals.

The report from this Think Tank meeting was published in the Journal of Autism and Developmental Disorders.

Dr. Edelson's research has focused on improving the well-being of autistic individuals across their lifespans. He has published peer-reviewed research articles with many internationally recognized researchers in the autism field, including Drs. Bernard Rimland, Ivar Lovaas, Temple Grandin, Margaret Bauman, and David Nicholas. A few of his research interests include self-injurious behaviour in autistic individuals, computer-based educational programs for autistic children, medical comorbidities, and age-related concerns in this population. Many of his published works stress the importance of relying on a multi-disciplinary approach when determining the most effective treatment program for each individual. Dr. Edelson's decades of research expertise, extensive network of autism researchers and stakeholders, as well as his prior experience in facilitating annual scientific think tanks, will support and enhance the goals of this project.