

Curriculum Vitae

Clifford D. Saron, Ph.D.

UC Davis Center for Mind and Brain,
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Education

B.A. Harvard University, Biology (1976)
M.S. Albert Einstein College of Medicine, Neuroscience (1992)
Ph.D. Albert Einstein College of Medicine, Neuroscience (1999)

Additional Training

1985-86 Visiting Student, University of Wisconsin – Madison: graduate statistics (Psychology) and neuroanatomy (Medicine)
1990 Fellow, McDonnell Summer Institute in Cognitive Neuroscience (perception, language)
1991 Fellow, Cold Spring Harbor Summer Course (learning, memory)
1995 Fellow, Cold Spring Harbor Summer Course (human brain mapping)

Professional Positions

2019 Faculty member, Todi-Week: Being Human in a Technological World. Todi Italy
<http://www.cortonafriends.org/todi-week/programme/>
2018 Faculty member, Mind and Life International Research Institute, Kyoto, Japan
<https://www.mindandlife.org/international-research-institutes/japan-2018/>
2018 Faculty member, Todi-Week: Ecology of Mind and Matter, Todi, Italy
<http://www.cortonafriends.org/todi-week/>
2017 Faculty member, Mind and Life Summer Research Institute
(<https://www.mindandlife.org/summer-research-institute/sri-2017/>)

- 2015 Faculty member, European Mind and Life Summer Research Institute
(<https://www.mindandlife-europe.org/our-work/esri/>)
- 2015- Research Scientist Step 1 (equivalent rank to Full Professor), Center for Mind and Brain, University of California at Davis.
- 2015-16 Adjunct Faculty, Department of Psychology, Wright State University
- 2012-15 Associate Research Scientist, Merit Increase to step 3, Center for Mind, University of California at Davis.
- 2010-12 Associate Research Scientist, step 2, Center for Mind, University of California at Davis.
- 2010- Lecturer without pay, Department of Psychology, University of California at Davis.
- 2010- Member, Perception, Cognition, and Cognitive Neuroscience Graduate Group, Department of Psychology, University of California at Davis.
- 2008- MIND Institute Autism Research Training Program Lecturer
- 2008-10 Assistant Research Scientist, Merit Increase to step 5, Center for Mind, University of California at Davis
- 2007- Faculty member in Human Electrophysiology, MIND Institute, University of California Davis Medical School
- 2006-08 Assistant Research Scientist, Merit Increase to step 4, Center for Mind, University of California at Davis
- 2006-9,11 Faculty member, Mind and Life Summer Research Institute. Garrison, NY.
- 2004- Chief of Human Electrophysiology, Center for Mind and Brain, University of California at Davis
- 2002-06 Assistant Research Scientist Step 3, Center for Mind and Brain, University of California at Davis
- 2001-02 Visiting Scientist, Cognitive Neuroscience and Schizophrenia Program, Nathan Kline Institute for Psychiatric Research, Orangeburg, NY
- 1999-02 See "Consulting"
- 1989-99 Graduate Student, Laboratory of Dr. Herbert Vaughan, Jr., Department of Neuroscience, Sue Golding Graduate Division of Biomedical Science, Albert

Einstein College of Medicine, Bronx, NY. Thesis title: "Spatiotemporal electrophysiology of intra- and interhemispheric visuomotor integration: relations with behavior." Qualifying Exam grade: honors, Thesis grade: honors, no revisions.

- 1985-89 Researcher and Instrumentation Innovator, Psychophysiology Laboratory (Dr. Richard J. Davidson, Director), Department of Psychology, University of Wisconsin--Madison. Continuation of responsibilities from position at SUNY Purchase. Additional responsibilities included graduate student and post-doctoral fellow supervision in research design, technical implementation and data analysis. Designed 32 channel PC-based psychophysiology teaching laboratory.
- 1977-85 Research Associate, Laboratory for Cognitive Psychobiology; Adjunct instructor, Division of Natural Sciences, SUNY, Purchase, New York. Was responsible for the technical implementation of experimental designs, the design and fabrication of original laboratory instrumentation, and the design, installation and maintenance of our psychophysiology laboratory. Research responsibilities included all features of experimental design, conduct of experimental sessions, and specification of software design for laboratory control, electrophysiological data acquisition and analysis. Teaching responsibilities included the close technical supervision of all laboratory projects and the supervision of a full-time research assistant, as well as formal courses.
- 1982-83 Lecturer in Psychology, State University of New York at Purchase, Purchase, New York. Course: Concepts and Methods in Human Psychophysiology
- 1978-79 Lecturer in Film Studies, State University of New York at Purchase, Purchase, New York. Course: Film Sound Design and Audio Recording Techniques
- 1976-77 Research Assistant, Professor David McClelland, Department of Psychology and Social Relations, Harvard University, Cambridge, Massachusetts. Conducted an auditory ERP study of augmenting and reducing, salivary immune measures, and stress responses.

Professional Societies

Society for Neuroscience
Cognitive Neuroscience Society
International Society for Autism Research

Scientific or Other Advisory Boards, Conference and Review Committee Memberships and Special Convenings

- 2019- Invited scholar, The State of Social and Emotional Learning (SEL) Assessment project, a comprehensive review of research on social

emotional training sponsored by The Mahatma Gandhi Institute of Education for Peace and Sustainable Development (MGIEP), a part of UNESCO. <https://mgiep.unesco.org/review-and-assesments-for-sdg4-7>

- 2018-19 Member, Program Planning Committee, Mind and Life Summer Research Institute, Garrison, New York, for June 2019 MLSRI.
<https://www.mindandlife.org/summer-research-institute/sri-2019/>
- 2018 Special Convening on The New Narrative, sponsored by the Fetzer Institute and the Templeton Foundation, Kalamazoo, MI September 18-21.
<https://fetzer.org/work/initiative/our-shared-sacred-story>
- 2017- Board Member, Autistry Studios, San Rafael, CA
<http://www.autistrystudios.com/>
- 2016-17 Co-director. Putting the Buddhism/Science dialogue on a new footing. A 10-day transdisciplinary Institute held at the Mangalam Research Center, Berkeley, CA. July 17-26, 2017
<https://www.mangalamresearch.org/summer-institute-buddhism-science/>
- 2016 Abstract review committee, 2016 International Symposium of Contemplative Studies. <https://www.eiseverywhere.com/ehome/iscs-2016/>
- 2016-19 Member, Steering Council, Mind and Life Institute
www.mindandlife.org.
- 2016-17 Co-Chair, Program Planning Committee – Mind & Life Institute Dialogue with His Holiness the Dalai Lama – Botho/Ubuntu: A Dialogue with the Dalai Lama on Spirituality, Science, and Humanity. Botho University, Gaborone, Botswana, Aug 17-19, 2017 <https://botswanadialogue.org/>
- 2015 Admission Review Committee, Mind and Life Europe 2015 Summer Research Institute
- 2014-15 Chair, Organizing Committee, *Perspectives on Mindfulness: The Complex Role of Meditation Research*. Annual research summit. UC Davis Center for Mind and Brain, Davis, CA. May 21, 2015.
<http://cmbmindfulnesssummit.faculty.ucdavis.edu>;
<https://www.youtube.com/playlist?list=PL4ij2LNSJxJd7nIbEU5f9A3EoCX07K2Lz>
- 2014 Abstract submission review committee, 2014 International Symposium for Contemplative Studies. <https://www.mindandlife.org/international-symposium-for-contemplative-research/>
- 2012-13 George Greenstein Institute Scientific Advisory Board

- 2011 Organizing Committee, *Practical Challenges in the Integration of Laboratory Research and Clinical Practice.*, an academic meeting with H.H. the Dalai Lama at Rockefeller University in New York, October, 2012.
https://www.youtube.com/playlist?list=PL0afJ4rP1PHx8fTzEhEBkxscr_oyxLQdi
- 2010-12 Steering Committee, First International Symposium on Contemplative Studies, Denver, April 2012
<https://www.youtube.com/playlist?list=PL09F56417B66AEA59>
- 2009-16 MIT Dalai Lama Center for Ethics and Transformative Values Advisory Board (www.thecenter.mit.edu)
- 2009-12 Mind and Life Institute Program and Research Council (www.mindandlife.org)
- 2009-12 Baumann Foundation Scientific Advisory Board (<http://www.thebaumannfoundation.org>)

Awards and Honors

- 2018 Inaugural Mind and Life Institute Service Award
<https://www.mindandlife.org/clifford-saron-embracing-the-mystery/>
- 2012 Inaugural Templeton Prize Research Grant (\$2 million) from the John Templeton Foundation, November 2012 (In honor of the 2012 Templeton Prize winner, H. H. the Dalai Lama).
http://www.templetonprize.org/pdfs/2012_prize/Templeton_Foundation_awards_grant_for_meditation_research_20121119.pdf
- 2011 Poptech senior science fellow (www.poptech.org) (1 of 10 nationally, across all fields of science).
- 2009- Mind and Life Fellow <https://www.mindandlife.org/fellows/>

Consulting Experience

- 2007-12 Scientific Consultant to Dr. Mark Pflieger, Signal Source Imaging, San Diego, California. Responsible for data interpretation and collaborative discussions regarding development of new methods of modeling event-related potentials and their relation to changes in behavior derived from data collected in my lab.
- 2006-07 Technical Consultant, Dr. Nathan Fox, Department of Psychology, University of Maryland at College Park, College Park, MD. (Design of high-density EEG/ERP laboratory and acoustic, lighting, electrical and floor-plan input to remodel.)

- 2004-06 Technical Consultant, Dr. Mingzhou Ding, Department of Biomedical Engineering, University of Florida, Gainesville, FL. (complete design of high-density ERP lab and remodel).
- 2004-06 Technical Consultant, Dr. Mark McCourt, Department of Psychology and Vision Science Center, North Dakota State University, Fargo, ND (acoustical and mechanical engineering for high-density ERP lab remodel).
- 2002 Technical Consultant, Dr. Char Davies, Immersence Corporation, Montreal, CA, <http://www.immersence.com> (human breathing interface for virtual reality artwork).
- 2001-08 Technical Consultant, Dr. Akaysha Tang, Department of Psychology, Univ. of New Mexico, Albuquerque, NM (complete design and instrumentation integration of DARPA-funded high-density ERP lab and remodel and graduate student and faculty training in ERP recording methods).
- 2001 Technical Consultant, Dr. David Becker, Department of Anesthesiology, UCSF, San Francisco, CA (interfacing experimental control instrumentation to Neuroscan ERP system).
- 2001 Technical Consultant to multimedia artist Mariko Mori for SFMOMA exhibit (initial design of EEG recording system for WaveUFO public art installation).
- 1999-02 Scientific member, IRB for Abratech Corporation (Dr. Don Jewett), Sausalito, CA.
- 1999-00 Technical Consultant, Dr. Cindy Yee-Bradbury, Department of Psychology, UCLA, Los Angeles, CA (setup and training of Neuroscan 128 channel ERP system).
- 1999-00 Technical Consultant, Dr. Paul Ekman, Department of Psychiatry, UCSF, San Francisco, CA (computer and graphic processing support).
- 1999 Technical Consultant, Dr. Herbert Vaughan, Department of Neurology, Albert Einstein College of Medicine, Bronx, NY (developed methods of animating ERP topographical maps).
- 1990-04 Technical consultant and Producer, Mind and Life Institute, Boulder, CO (archival audio and multi-camera video documentation of meetings between scientists and H.H. the Dalai Lama, see www.mindandlife.org).
- 1990-94 Project Coordinator and researcher, Mind and Life Institute, Boulder, CO (field research project investigating the effects of Tibetan Buddhist mental training on measures of brain function).

- 1989-92 Technical Consultant, Dr. Richard J. Davidson, Department of Psychology, University of Wisconsin, Madison, WI (laboratory training and documentation).
- 1989-91 Technical Consultant, Dr. Andrew Tomarken, Department of Psychology, Vanderbilt University, Nashville, TN (psychophysiology/EEG laboratory design and integration, training in recording methods).
- 1981-89 Technical Consultant, Dr. Nathan Fox, Department of Human Development, University of Maryland, College Park, MD (infant/child EEG laboratory design, instrumentation integration and recording and data analysis training).
- 1984-85 Technical Consultant, Dr. Louis Cooper, Department of Pediatrics, St. Luke's-Roosevelt Hospital, NY (video coding system design, implementation and training for mother/infant interaction studies).
- 1983-84 Technical Consultant, Dr. Harold Sackheim, Department of Biological Psychiatry, NYS Psychiatric Institute, New York City (interfacing EEG recording with ECT delivery).
- 1983-84 Technical Consultant, Dr. Michael Lewis, Department of Pediatrics, Rutgers Medical College, New Brunswick, NJ (design of infant/child psychophysiology laboratory and instrumentation integration).
- 1980-81 Technical Consultant, Laboratory of Neurosciences, National Institute on Aging, National Institutes of Health, Baltimore, MD (initial design for portable psychophysiology laboratory used in conjunction with early PET studies).
- 1978-81 Technical Specialist to Drs. Michael Lewis and Nathan Fox, Educational Testing Service, Princeton, NJ Developmental Disabilities Unit, Roosevelt Hospital, New York City (infant/child psychophysiology laboratory design, instrumentation integration, data recording and analysis training).

Technical and Scientific Advising (gratis)

- 2014-15 UC Davis Medical Center (UCDMC) MIND Institute NIH-funded IDDRRC (Intellectual Developmental Disabilities Research Center) human EEG lab design consulting.
- 2009-11 UCDMC MIND Institute (space planning and design of core ERP/EEG laboratory for Translational Research Building).
- 2004-07 Falk Minnow Services, www.easycap.de (feedback on design of next generation EEG recording caps).

- 2004-05 UCDMC Imaging Research Center Equipment Committee (in-bore stimulus presentation, simultaneous fMRI and EEG recording).
- 2003-05 Dr. Cameron Carter, Department of Psychiatry, UC Davis Medical School (EEG/ERP laboratory design and EEG hardware specification).
- 2002-06 UC Davis Center for Mind and Brain Tennant Improvement Projects (all aspects of research infrastructure creation, including a state-of-the-art EEG/ERP teaching laboratory) <http://mindbrain.ucdavis.edu>.
- 2002-06 Dr. G. Ron Mangun, Center for Mind and Brain, UC Davis (EEG/ERP laboratory design.)
- 2002-04 Dr. Tamara Swaab, Department of Psychology, UC Davis (dual ERP/EEG laboratories: design, remodel, implementation, graduate and post-graduate training).
- 1995-05 Dr. Michael Scherg, Megis Corp www.bese.de (alpha/beta testing EEG source localization software).
- 1994 Dr. James Gross, Department of Psychology, Stanford University (psychophysiology laboratory design advice).
- 1991-99 Dr. Paul Ekman, Human Interaction Laboratory, UCSF (computer and graphic processing support).
- 1990-02 Neuroscan Corp. www.neuro.com (design input to EEG / ERP recording and analysis hardware and software).
- 1989-99 Dynamic Brain Imaging Laboratory, AECOM (Dr. H. G. Vaughan, Jr., EEG/ERP laboratory design and training).
- 1983-02 James Long Company www.psychophysiology.com (hardware and software product creation for psychophysiological research).

Formal Teaching Experience (non MOOC)

- 2020 *Building a World from Uncertain Inputs: Sensory processing and integration in ASD*. MIND Institute Autism Research Training Program (ARTP) lecturer
- 2017 *Building a World from Uncertain Inputs: Sensory processing and integration in ASD*. MIND Institute Autism Research Training Program (ARTP) lecturer
- 2015 *Building a World from Uncertain Inputs: Sensory processing and integration in ASD*. May MIND Institute (ARTP)

- 2013 *Making the World Whole: Sensory Processing and Multisensory Integration Deficits in Children with Autism Spectrum Disorders*, July. ARTP.
- 2011 *Building a World from Uncertain Inputs: Sensory Processing and Integration in ASD*, October. ARTP.
- 2009 *Electrophysiology of Sensory Processing in Autism*, April. ARTP.
- 2008 Discussion leader, UC Davis neuroscience graduate student neuroimaging journal club, February, December.
- 2006 *Toward Neuroelectric Neuroimaging: EEG and Event Related Potentials – the Good, the Bad, and the Ugly*, June. ARTP.
- 2007- NIH-funded ERP Boot Camp Consulting Faculty at Center for Mind and Brain, (Steve Luck, PI). Meet with interested students about their research.
- 2005 UC Davis Psych 290: *Methods in Cognitive Neuroscience*, (1 lecture/3 lab lecture/demos). Course director: Dr. Tamara Swaab.
- 2002- Formal graduate student, post-doc, faculty, and laboratory personnel technical training sessions at UW Madison (1985-1991), AECOM (1989-1991), and UC Davis, 2002-).
- 1985-87 *Concepts and Methods in Psychophysiology*, Department of Psychology, UW-Madison (co-taught with Dr. Richard J. Davidson).
- 1977-85 *Concepts and Methods in Psychophysiology*, Department of Psychology, SUNY Purchase, (co-taught with Dr. Richard J. Davidson). Taught independently, 1982.
- 1977 *10-week Tutorial in Advanced Digital Logic Programming*, SUNY Purchase.

Mentorship

Postdoctoral Fellows

- 2019- Svjetlana Vukusic, PhD. Center for Mind and Brain, UC Davis. Co-supervised with Susan Rivera.
- 2019- Brandon King, PhD. Center for Mind and Brain, UC Davis.
- 2016-19 Rosanna De Meo, PhD. Center for Mind and Brain (supported by a Swiss Government Mobility Postdoctoral Grant and subsequent NIH and gift funds). Now headed for a career in industry.

- 2015-16 Alexander Norman, Ph.D. Center for Mind and Brain, UC Davis. Now a senior lecturer at Western Sydney University directing the Master of Research programme. Sydney, Australia.
- 2013-14 Jen Pokorny, Ph.D. Center for Mind and Brain. UC Davis. An Assistant Project Scientist in my lab 2014 - 2017. Now Chief Programs Officer, Think Elephant International (www.thinkelephants.org).
- 2013-16 Chivon Powers, Ph.D. Center for Mind and Brain, UC Davis. Currently a data scientist at Microsoft.
- 2012-14 Iman Mohammadrezazadeh, Ph.D. Center for Mind and Brain, UC Davis. Now a staff scientist at HRL Laboratories, Malibu, CA.
- 2007-11 Baljinder Sahdra, Ph.D. Center for Mind and Brain and Department of Psychology, UC Davis (co-mentor with Phillip Shaver). Now a Research Lecturer and Deputy Program Lead, at the Institute for Positive Psychology and Education, Faculty of Health Sciences, Australian Catholic University, Strathfield Campus, Sydney, Australia.
- 2007-10 Tonya Jacobs, Ph.D. Center for Mind and Brain, UC Davis. No longer in academia.
- 2007-09 Yukari Takarae, Ph.D. Center for Mind and Brain, UC Davis. Now a Research Scientist in the Department of Neurosciences, UC San Diego Medical School. San Diego, CA.
- 2007 Shiri Lavy, Ph.D. Center for Mind and Brain, UC Davis. Now a Lecturer in the Department of Leadership and Policy in Education, University of Haifa, Haifa, Israel.

Graduate Student Thesis and other Committees

- 2018-19 Pranshul Sanai, MA (April 2019). Neuroengineering Department. Technical University of Munich, GDR. Supervised Masters thesis: *The effect of Intensive Meditation Training on Cognitive Functioning during Stroop task*. Grade 1.3 out of 5 (excellent). Now working in Education technology in India and as a research consultant in my lab.
- 2017- Patrick Dwyer, Dept. of Psychology, UC Davis. Member of IAC and co-supervisor with Susan Rivera (who is his mentor of record).
- 2015-16 Jennifer Baumgartner, MS, Department of Psychology, Human Factors & Industrial/Organizational Psychology, Wright State University Dayton, OH (Qualifying Exam Committee).
- 2015- Quinn Conklin, MA – (mentor of record, Dept. of Psychology, UC Davis)

- 2014- Alea Skwara, MA – (mentor of record, Dept. of Psychology, UC Davis)
- 2011-13 Anahita Hamadi, BA (Co-mentor with Ron Mangun, Center for Neuroscience, UC Davis). Now a science writer at Boston University.
- 2010-17 Brian Hurley, PhD (Advisory Committee and Thesis Committee member, Department of Psychology, UC Davis). Now a data scientist at Facebook.
- 2010-19 Brandon King, MA (Mentor of Record; Department of Psychology, UC Davis). PhD. Thesis title: *Cultivating Concern for Others: Meditation Training and Motivational Engagement with Human Suffering*. Brandon is now a Postdoctoral Scholar in my lab at the Center for Mind and Brain at UC Davis.
- 2010-17 Anthony Zanesco, PhD (Mentor of Record; Department of Psychology, UC Davis). Thesis title: *Mental Training of Attention Through Intensive Meditation: Longitudinal Behavioral and Electrophysiological Investigations of Visual Sustained Attention and Response Inhibition*. Now a Postdoctoral Researcher with Amishi Jha at the University of Miami, Dept. of Psychology.
- 2008-13. Stephen Aichele (Co-mentor with Emilio Ferrer & Phil Shaver), Department of Psychology, UC Davis). Thesis title: *Linking Attentional Training and Performance Across Scales of Time and Methods of Measurement*. Now an Affiliate Professor, Department of Human Development and Family Studies, Colorado State University
- 2007-11 Manish Saggar (Co-mentor with Risto Miikkulainen, Department of Computer Science, University of Texas Austin). Thesis title: *Computational Analysis of Meditation*. Now an Assistant Professor in Computational Neuropsychiatry, Department of Psychiatry and Behavioral Sciences, Stanford University Medical School, Palo Alto, CA.
- 2006-08 Constanza Colombi, Ph.D. (Co-mentor with Susan Rivera and Sally Rogers; Department of Human Development, UC Davis) Thesis title: *Mirror Neuron System Activation in Autism in Response to Transitive and Intransitive Actions*. Now Research Assistant Professor, University of Michigan, Department of Psychiatry, Ann Arbor, MI.
- 2004-09 Katherine A. MacLean (Co-mentor with Ron Mangun; Department of Psychology, UC Davis). Thesis title: *Training attention through intensive meditation: Improvements in sustained performance and response inhibition*. Following Positions: Post-doctoral researcher and then Instructor, Department of Psychiatry, Johns Hopkins School of Medicine, Baltimore, MD. Now independent speaker and psychedelic research consultant.

Junior Specialist Supervision (full-time Research Assistants)

- 2016-17 Sevan Harootonian (now a research assistant at U. of Arizona in Tucson)
- 2013-15 Quinn Conklin (promoted to Asst. Specialist 2014, see grad students)
- 2014-16 Sarah Huffman (now an Executive Assistant at Vituity in Emeryville, CA.)
- 2013-16 Kezia Wineberg (now a Web Developer II at Columbia Sportswear Company, Portland, Oregon).
- 2011-13 Fernanda Vieira (now a web developer in Boston).
- 2010-11 Ryan Hubbard (now a Beckman Postdoctoral Research Fellow, Beckman Institute, University Illinois, Champaign-Urbana, IL.)
- 2010-11 Sarah Abedi (now a practicing physician in Irvine, CA)
- 2010 Saloni Mathur (now a medical student at the University of Toledo, Toledo, Ohio).
- 2009-10 Ashley Stark (now a resident in pediatrics, Duke University School of Medicine).
- 2007-09 Margarita Beransky (now a Clinical Research Coordinator, Stanford University).
- 2008-09 Lindsey Marcelino (now a lawyer (associate) with Littler in Minneapolis, MN)
- 2007-10 Anthony Zanesco (see grad students)
- 2007-10 Brandon King (see grad students)
- 2006-07 David Bridwell (now a Research Scientist at the Mind Research Network in Albuquerque, New Mexico)
- 2006-08 Stephen Aichele (see grad students)
- 2004-6 David Horton (now product designer/programmer at NEST at Google)

Undergraduate Thesis Supervision at Davis

- 2012-14 Tucker Fisher, B.A. *Sub-Phenotyping Autistic and Typically Developing Toddlers by Relative Relationship of Brain Response to 50dB, 60dB, 70dB, 80dB tones.* Senior Honor Thesis. Grade: Highest Honors. Currently a PhD student in neuroscience at Stanford University.

2006-07 Margarita Beransky, B.A. *Multisensory Integration of Auditory, Visual, and Somatosensory Cues in Children and Adults: A Behavioral and Electrophysiological Analysis*. Grade: Highest Honors.

Undergraduate Research Assistant Training

2006- More than 92 undergraduates have been involved in research conducted in my lab, supervised by lab personnel and myself.

Other Technical training at Davis

2003-06 Technical lab skill training and mentoring in EEG and ERP recording and data analysis: CMB visiting graduate students Felix Kramer, Dorothee Heipertz (Magdeburg University, Germany), Sean Fannon (Duke University); visiting Post-Doctoral Scholars Dr. Eveline Crone and Eveline Bekker (Radboud University Nijmegen, the Netherlands), UC Davis biomedical engineering graduate student Niki Ziai, and junior specialists Traften Drew, Jocelyn Sy and Santani Tang.

Peer Reviewed Publications (under review, in press, published)

Shields, G. S., Skwara, A. C., King, B. G., Zanesco, A. P., Dhabhar, F. S., & Saron, C. D. (In Press). Deconstructing the effects of concentration meditation practice on interference control: The roles of controlled attention and inflammatory activity. *Brain, Behavior, and Immunity*.

Dwyer, P., Wang, X., De Meo-Monteil, R., Hsieh, F., Saron, C. D. & Rivera, S. M. (2020). Defining clusters of young autistic and typically-developing children based on loudness-dependent auditory electrophysiological responses. *Molecular Autism, 11(1):48*. doi: 10.1186/s13229-020-00352-3.

Zanesco, A.P., King, B. G., Skwara, A. C., & Saron, C. D. (2020). Within and Between-person Correlates of the Temporal Dynamics of Resting EEG Microstates. *Neuroimage, 211:116631*. doi: 10.1016/j.neuroimage.2020.116631.

Zanesco, A. P., King, B. G., Powers, C., De Meo, R., Wineberg, K., MacLean, K. A., & Saron, C. D. (2019). Modulation of Event-related Potentials of Visual Discrimination by Meditation Training and Sustained Attention. *J. Cognitive Neuroscience, 31(8)*, p.1184-1204. https://www.mitpressjournals.org/doi/full/10.1162/jocn_a_01419

De Meo-Monteil, R., Wu Nordahl, C., Amaral, D. G., Rogers, S., Harootonian, S. K., Martin, J., Rivera, S. M., & Saron, C. D. (2019). Differential altered auditory ERP responses in young boys with and without disproportionate megalencephaly on the autism spectrum. *Autism Research*. <https://doi.org/10.1002/aur.2137>

- King, B. G., Zanesco, A. P., Conklin, Q. A., & Saron, C. D. (2019). Residential meditation retreats: Their role in contemplative practice and significance for psychological research. *Current Opinion in Psychology*, 28, 238-244. <https://doi.org/10.1016/j.copsy.2018.12.021>
- Conklin, Q. A., Crosswell, A. D., Saron, C. D. & Epel., E. E. (2018) Meditation, stress processes, and telomere biology. *Current Opinion in Psychology*, 28, 92-101. <https://doi.org/10.1016/j.copsy.2018.11.009>
- Schmalzl, L., Powers, C., Zanesco, A. P., Yetz, N., Groessl, E. J. & Saron, C. D. (2018). The effect of movement-focused and breath-focused yoga practice on stress parameters and sustained attention. *Consciousness and Cognition*, 65, 109-125. doi: 10.1016/j.concog.2018.07.012.
- Conklin, Q. A., King, B. G., Zanesco, A. P., Lin, J., Hamidi, A. B., Pokorny, J. J., Álvarez-López M. J., Cosín-Tomás, M., Huang, C., Kaliman, P., Epel, E. E., and Saron, C. D. (2018). Insight Meditation and Telomere Biology: The Effects of Intensive Retreat and the Moderating Role of Personality. *Brain, Behavior, and Immunity*, 70, 233-245. doi: 10.1016/j.bbi.2018.03.003
- Zanesco, A. P., King, B. G., MacLean, K. A. & Saron, C. D. (2018). Cognitive Aging and Long-term Maintenance of Attentional Improvements Following Meditation Training. *Journal of Cognitive Enhancement*, 2, 259–275. <https://doi.org/10.1007/s41465-018-0068-1>
- Van Dam, N. T., van Vugt, M. K., Vago, D. R., Schmalzl, L., Saron, C. D., Olendzki, A., Meissner, T., Lazar, S. W. Kerr, C. E., Gorchov, J., Fox, K. C. R., Field, B. A., Britton, W. B., Brefczynski-Lewis, J. A. & Meyer, D. E. (2018). Mind the Hype: A Critical Evaluation and Prescriptive Agenda for Research on Mindfulness and Meditation. *Perspectives in Psychological Science*, 13(1), 36-61. doi: 10.1177/1745691617709589.
- Pokorny, J. J., Norman, A., Zanesco, A. P., Bauer-Wu, S., Sahdra, B. K., & Saron, C. D. (2018). Network Analysis for the Visualization and Analysis of Qualitative Data. *Psychological Methods*, 23(1), 169-183. <http://dx.doi.org/10.1037/met0000129>
- Zanesco, A. P., King, B. G., MacLean, K. A. Jacobs, T. L., Aichele, S. R. Wallace, B. A., Smallwood, J., Schooler, J. W. & Saron, C. D. (2016). Meditation Training Influences Mind Wandering and Mindless Reading. *Psychology of Consciousness: Theory, Research, and Practice*, 3(1):12-33. <http://dx.doi.org/10.1037/cns0000082>
- Lutz, A, Jha, A. P., Dunne, J. D., & Saron, C. D. (2015). Investigating the Phenomenological and Neurocognitive Matrix of Mindfulness-related Practices. *American Psychologist*, 70(7), 632-658. <http://dx.doi.org/10.1037/a0039585>
- Saggar, M., Zanesco, A. P., King, B. K, Bridwell, D. A., MacLean, K. A., Aichele, S. A., Jacobs, T. L., Wallace, B. A., Saron, C. D., & Miikkulainen, R. (2015). Mean-field

thalamocortical modeling of longitudinal EEG acquired during intensive meditation training. *Neuroimage*, 114, 88-104.
<http://dx.doi.org/10.1016/j.neuroimage.2015.03.073>

- Rosenberg, ER, Zanesco, A.P. King, B.G., Aichele, S. A., Jacobs, T. L., Bridwell, D. A., MacLean, K. A., Shaver, P. R., Ferrer, E., Sahdra, B. K., Lavy, S., Wallace, B. A., & Saron, C. D. (2015). Intensive meditation training influences emotional responses to suffering. *Emotion*, 15(6), 775-90. doi: 10.1037/emo0000080
- MacCoon, D. G., MacLean, K. A., Davidson, R. J., Saron, C. D., & Lutz, A. (2014). No Sustained Attention Differences in a Longitudinal Randomized Trial Comparing Mindfulness Based Stress Reduction versus Active Control. *PLoS One*, 9(6), e97551. doi:10.1371/journal.pone.0097551
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Book Chapters

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- Skwara, A. C., King, B. G., & Saron, C. D. (2017). Studies of training compassion: what have we learned; What remains unknown? In: *The Handbook of Compassion Science*. E. M. Seppälä, E. Simon-Thomas, S. L. Brown, M. C. Worline, C. D. Cameron, & J. R. Doty (Eds.). Oxford University Press. Pp. 219-236.
- Saron, C. D. (2013). The Shamatha Project Adventure: A Personal Account of an Ambitious Meditation Study and its First Results. In: *Compassion: Bridging Theory and Practice*. T. Singer and M. Bolz (Eds). Munich, DE: Max Planck Society. A free eBook available at <http://www.compassion-training.org/>
- Saron, C. D. (2013) Training the Mind—The Shamatha Project. In: *The Healing Power of Meditation*. Fraser, A. (Editor). Boston, MA: Shambhala Publications pp. 45-65.
- Mangun, G. R., Fannon, S. P., Geng, J. J., & Saron, C. D. (2009). Imaging brain attention systems: Control and selection in vision. In: *fMRI techniques and protocols*; M. Filippi (Editor), Humana Press, Inc. Pp. 353-378.
- Mangun, G. R., Saron, C. D. and Walsh, B. J. (2009). Integration of conflict detection and attentional control mechanisms: Combined ERP and fMRI studies. In: *The Cognitive Neurosciences IV*. Gazzaniga, M.S. (Editor), Cambridge, MA: MIT Press, 251-258.
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- Houshmand, Z., Harrington, A., Saron, C. D., & Davidson, R. J. (2001). Training the mind: First steps in a cross-cultural collaboration in neuroscientific research. In: *Visions of compassion - Western scientists and Tibetan Buddhists examine human nature*. R. J. Davidson & A. Harrington, Eds. New York: Oxford University Press. Pp. 3-17.
- Saron, C. D., Foxe, J. J., Simpson, G. V., & Vaughan, H. G., Jr. (2000). Electrophysiological indices of interhemispheric visuomotor interaction [translated to Italian]. In: Proverbio, M. and Zani A. (Eds.), *Psicofisiologia Cognitiva: Le basi neuro-*

funzionali delle mente umana [Cognitive Psychophysiology: The neurofunctional substrates of the human mind], Carocci Editore: Roma, Italy. Pp. 381-440.

Saron, C.D. & Davidson, R. J. (1997). The brain and emotions. In: *Healing emotions: conversations with the Dalai Lama on mindfulness, emotions and health*, D. Goleman, Ed. Boston: Shambala, Pp. 67-88.

Invited Addresses, Workshops, Presentations, and Colloquia.

Saron, C. D. *There's an App for That, or is There? – Scientific Investigation of Intensive Meditation*. Mindfulness Science Keynote. University of Southern California Center for Mindfulness Science. Host: Rael Cahn, MD. December 10, 2019.

<https://mindfulness.usc.edu/event/theres-an-app-for-that-or-is-there-scientific-investigation-of-intensive-meditation/>

Saron, C. D., Bogatin, B. B., and Mirghafori, N. *The Buddha the Brain and Bach*. 6-day workshop at Esalen Institute, Big Sur, CA. Nov. 10-15, 2019 – multiple talks.

<https://www.esalen.org/workshop/week-november-10-15/buddha-brain-and-bach>

Saron, C. D. & Bogatin, B. B. *The Buddha, the Brain & Bach*. A workshop sponsored by the Nirikara Institute, Complutense University of Madrid, Madrid, Spain. October 18-20, 2019. <https://nirakara.org/curso-presencial/buddha-bach-cerebro/>

Saron, C. D. *Mindfulness: Una mirada crítica, desde la ciencia*. Friday Evening Neuro-encounter, Nirakara Institute and Complutense University of Madrid, Madrid, Spain. October 17, 2019.

https://www.youtube.com/watch?time_continue=1972&v=FezZhHjcCl4&feature=emb_logo

Saron, C. D. & Bogatin, B. B. *Mediació, Cervell i Bach (Meditation, the Brain & Bach)*. An evening workshop sponsored by the Dept. of Psychology, University of the Balearic Islands and Conservatori de Música. Palma, Mallorca, Spain. Host: Dr. Gloria Garcia de la Banda. October 15, 2019. <https://diari.uib.es/arxiu/Meditacio-cervell-i-Bach-un-seminari-sobre-la.cid602492>

Saron, C. D. *There's an app for that, or is there? Scientific investigation of intensive meditation*. Invited lecture. Todi-Week 2019: Being Human in a Technological World. Todi, Italy. June 25, 2018. <http://www.cortonafriends.org/todi-week/> video at:

<https://www.youtube.com/watch?v=nSLSYGqyWew>

Saron, C. D. *Social Imaginaries in science and contemplation: Intensive meditation training and the motivational salience of suffering*. Models of Regeneration Session, Festival of Faiths, Louisville, KY. April 25, 2019. <https://festivaloffaiths.org/> video at:

<https://www.youtube.com/watch?v=cTl4lImb2xI>

- Saron, C. D. *Sitting in the Muck and it's Near Enemies*. Guest lecture in Dr. Angela Harris' course Mindfulness and the Law. UC Davis Law School. April 16, 2019.
- Saron, C. D. Way beyond diet and exercise: How meditation supports healthy aging and the growth of wisdom. A UC Davis alumni event. The Metropolitan Club, San Francisco. March 14, 2019.
- Saron, C. D. & Bogatin, B. B. *Ravel, Bolero, and his progressive aphasia*. Pre-concert lecture. San Francisco Symphony, San Francisco, CA. October 17-19, 2018.
- Saron, C. D. *The whole person sits: Social Imaginaries of practitioners and researchers in the scientific study of meditation*. Faculty presentation. Contemplative Practices in Context: Culture, History, and Science, A Mind and Life Summer Institute at the Myoshin-ji Temple in Kyoto, Japan. Sept. 1-5, 2018 <https://www.mindandlife.org/international-research-institutes/japan-2018/>
- Saron, C. D., Bogatin, B. B., & Mirghafori, N., *The Buddha, the Brain, and Bach*. A six-day workshop at Esalen, August 26-31, 2018. Multiple talks.
- Saron, C. D. *What neuroscience can and cannot tell us about meditation: lessons from the Shamantha Project*. Invited lecture. Todi-Week 2018: An Ecology of Mind and Matter. Todi, Italy. June 25, 2018. <http://www.cortonafriends.org/todi-week/>
- Saron, C. D. *Multiple workshop talks. The Buddha, the Brain, and Bach* with cellist Barbara Bogatin. Todi-Week 2018: An Ecology of Mind and Matter. Todi, Italy. June 25-30, 2018. <http://www.cortonafriends.org/todi-week/>
- Saron, C. D. *Musicians' Brains: How playing our instruments changes their brains*. Speaker, with cellist Barbara Bogatin at the San Francisco Symphony pre-concert Prelude Discussion Series. May 10-12, 2018.
- Saron, C. D. *Music to Brain Coupling*. Speaker, with cellist Barbara Bogatin at the San Francisco Symphony pre-concert Prelude Discussion Series. November 24-26, 2017.
- Saron, C. D. *Considering context in the scientific study of psychological and physical health-related effects of intensive contemplative practice in the Buddhist tradition*. Mind-Body Health in Tibetan Medicine: Crossing the Great Divide. Harvard Medical School, Boston, MA. October 6-7 2017 <https://www.tibetanmedicineconference.org>
- Saron, C. D. *There are no beginners, it only seems so*. Faculty Webinar, Search Inside Yourself Leadership Institute Engage Training. Sept 20, 2017 <https://siyli.org/programs/engage#what-is-engage>
- Saron, C. D. *Toward contemplative science: further issues and models in the scientific investigation of contemplative practice*. Faculty presentation. Putting the Buddhism –

Science Dialogue on a New Footing, Templeton-funded transdisciplinary institute held at the Mangalam Research Center, Berkeley, CA. July 26, 2017.

Saron, C. D. *Inchoate Reflections on Transdisciplinarity*. Invited talk at the 2017 Mind and Life Summer Research Institute. Garrison, New York. June 9, 2017

Saron, C. D. *Overlapping Magesteria: Contemplating the Scientific Study of Meditation*. Invited panel talk at Towards Sustainable Societies: Interreligious, Interdisciplinary Responses, a conference sponsored by The Graduate Theological Union & Gtu Mira & Ajay Shingal Center For Dharma Studies. Berkeley, California. April 28, 2017

Saron, C. D. *Contemplating the Scientific Study of Meditation*. Invited Honors College Convocation Speaker, Texas Christian University. April 20, 2017

Saron, C. D. *Issues, Findings and Models in the Scientific Study of Meditation*. Invited talk, Martinos Center for Neuroimaging, Harvard University. Boston, MA. Host: Dr. Gaelle Desbordes. February 1, 2017.

Saron, C. D. *Issues, Findings and Models in the Scientific Study of Meditation*. Invited colloquium sponsored by the George Washington University Mind-Brain Institute. January 27, 2017

Saron, C. D. *Toward contemplative science: issues, models and findings in the scientific investigation of contemplative practice*. Invited talk, Osher Center for Integrative Medicine, University of California Medical Center, San Francisco, CA. January 13, 2017

Saron, C. D. *Minding Mindfulness: Issues, Models, and Findings in the Scientific Study of Meditation*. Invited Master Lecture. 2016 International Symposium of Contemplative Studies. San Diego, CA. November, 2016
<https://www.youtube.com/watch?v=uZuhVAGmOv0&list=PL0afJ4rP1PHx3puZGRefM8quSnVaDLrdG&index=10>

Saron, C. D. *Some tales toward now*. Psych 200 PCCN graduate seminar faculty presentation. Center for Mind and Brain, UC Davis October 13, 2016

Saron, C. D. *Minding Mindfulness: Issues, Models, and Findings in the Scientific Study of Meditation*. Invited presentation as part of a public weekend seminar on the Art of Stillness at the Banff Centre for Arts and Creativity, Banff, CA. October 1, 2016 <https://www.banffcentre.ca/stillness-weekend>

Saron, C. D. *The Scientific Investigation of Intensive Contemplative Practice: Issues and Experience*. Invited webinar to the WISER Neuro reading group at the University of Witswinterstand, Johannesburg, South Africa. August 23, 2016

- Saron, C. D. *The Scientific Investigation of Intensive Contemplative Practice: Issues and Experience*. Invited talk to the staff and management of Interaxon Corporation, Toronto, Canada. August 4, 2016.
- Saron, C. D. *The Scientific Investigation of Contemplative Practice: The Baby and the Bathwater*. Seven-hour in-depth workshop presentation at Tuning Your Instrument: The Buddha, the Brain and Bach, Esalen Institute, Big Sur, CA. July 17-22, 2016.
- Saron, C. D. *The Scientific Investigation of Contemplative Practice: The Baby and the Bathwater*. Invited address to the full community and staff of the Fetzer Institute, Kalamazoo, MI July 13, 2016
- Saron, C. D. *The Scientific Investigation of Contemplative Practice: The Baby and the Bathwater*. Invited talk at 2016 mindfulness facilitators retreat, Spirit Rock Meditation Center, Woodacre, CA. June 23, 2016
- Saron, C. D. *An effort to translate contemplative theory into the language of scientific psychology*. Invited break-out group presentation. 2016 Mind and Life Summer Institute, Garrison, NY. June 16, 2016
- Saron, C. D. *Considering VR as an “Engine of Empathy” - Training the Mind of the Viewer*. Invited lecture in Deep Research into Wellness and Learning session at XTECH2016, the Experiential Technology & NeuroGaming Conference and Expo, San Francisco, CA May 18, 2016.
- Saron, C. D. *Sensory Processing and Multisensory Integration in Autism: Electrophysiological and Behavioral Evidence*. Invited Colloquium, Marcus Autism Center at Children’s Healthcare of Atlanta and Emory University School of Medicine. February 26, 2016.
- Saron, C. D. *Mindful Mindfulness: Findings, Models, and Issues in the Scientific Investigation of Intensive Meditation Training and Practice*. Invited Public Lecture, Emory-Tibet Partnership, Emory University, Atlanta, GA. February 25, 2016.
- Saron, C. D. *Making The World Whole: Sensory Processing in Children with Autism*. A public lecture sponsored by Autism Okanagan and the ENSO Foundation. Kelowna, BC, Canada. February 6, 2016.
- Saron, C. D. *Training the Mind, Opening the Heart: A Public Lecture Findings and Lessons from the Scientific Study of Meditation*. Sponsored by the ENSO Foundation for Contemplative Engagement, Kelowna, BC, Canada. February 5, 2016.
- Saron, C. D. *Compassionate Practice: Toward a Greater Capacity for Engaging with the Suffering of Self and Others*. Guest lecture, Health Living Interest Group for Medical

Students, University of California at Davis Medical Center, Sacramento, CA.
November, 16, 2015

- Saron, C. D. *Compassionate Practice: Toward a Greater Capacity for Engaging with the Suffering of Self and Others*. Plenary Talk at CENTILE 2015: International Conference to Promote Resilience, Empathy, and Well-Being in Health Care Professions. Georgetown University, October 18-21, 2015. See more at: <http://www.centileconference.org/speakers#sthash.Um2ku60I.dpufCentile>
- Saron, C. D. *Telomeres and Meditation Retreats*. Data Blitz presentation at the 3rd meeting of the Mindfulness Research Working Group (MRWG) at the University of Miami. Coral Gables, FL. October 8 – 9, 2015.
- Saron, C. D. *Longitudinal Effects of Intensive Meditation Training on Sustained Attention, Response Inhibition, and Emotional Provocation*. Invited Presidential Symposium Presentation, Annual meeting of the Society for Psychophysiological Research, Seattle, WA. Oct 2, 2015
- Saron, C. D. *Minding Mindfulness: Findings, Models, and Issues in the Scientific Investigation of Contemplative Practice*. Invited colloquium, Department of Psychology, Universitat de les Illes Balears, Mallorca, Spain. Sept. 17, 2015.
- Saron, C. D. *Constituents of a compassionate response: Can contemplative mind training foster our capacity to engage with suffering?* Invited colloquium, Studio Olafur Eliasson (<http://olafureliasson.net>), Berlin, Germany. Sept. 4, 2015.
- Saron, C. D. *Minding mindfulness: Findings and issues in the scientific study of meditation*. Faculty presentation, 2015 European Mind and Life Summer Institute. Chiemsee, Germany. 28 August – 3 September 2015
- Saron, C. D. *Minding Mindfulness: Findings and Issues in the Scientific Investigation of Contemplative Practice*. Keynote address at “Mindfulness and Compassion: The Art and Science of Contemplative Practice,” annual meeting of the Consciousness, Mindfulness & Compassion International Association. San Francisco, CA. June 6, 2015. <http://www.cmc-ia.org/mcc2015/>
- Saron, C. D. *From personal experience to longitudinal multidisciplinary research on intensive meditation: The Shamatha Project*. Invited talk, Inaugural conference of the Social Science Institute of the University of California at Davis. April 24, 2015. <http://socialscience.ucdavis.edu/events/2015-iss-conference/2015-ISS-conference-series-full-schedule>
- Saron, C. D. *Minding Mindfulness: Issues, Theory, and Findings in the Scientific Study of Intensive Meditative Practice*. 90 minute guest lecture in Dr. Angela Harris’ course Mindfulness and the Law. UC Davis Law School. April 15, 2015.

- Saron, C. D. *Training the mind, opening the heart: scientific studies of meditation in relation to teacher formation*. Invited international speaker in dialogue with His Holiness the Dalai Lama, at Science, Ethics and Education: Transformative Pedagogies, a conference sponsored by the Prof D.S. Kothari Centre for Science, Ethics and Education at the University of Delhi, Delhi, India. Prof. Meenakshi Thapan, conference organizer. March 24 & 25, 2015.
- Saron C. D. *Healthy Bodies, Healthy Minds: The Neuroscience of Contemplative Practice*. Invited public lecture at the Community School, Sun Valley, Idaho. Sponsored by the Flourish Foundation. February 12, 2015.
<https://www.youtube.com/watch?v=cCZKRiVm240>
- Saron C. D. *Minding Mindfulness: Findings and Issues in the Scientific Investigation of Contemplative Practice*. Second Annual Symposium for Mindfulness and Society. University of Oregon. February 9, 2015
<http://commonreading.uoregon.edu/symposium-for-mindfulness-and-society/>
- Saron, C. D. *The Fractal Nature of Context: Neuroscientific Studies that Inform Ways to Examine the Effects of Contemplative Practice*. Invited faculty presentation. Zen Brain – The Embedded Mind: Perspectives from Buddhism and Cognitive Science. Upaya Zen Center, Sante Fe, NM. Feb 5-8, 2015. Podcast to be uploaded.
<http://www.upaya.org/programs/event.php?id=1274>.
- Saron, C. D. *Scientific Investigation of Contemplative Practice: What Can We Capture and What Does the World Make of It?* Invited talk, Consciousness Hacking Meetup, San Francisco. Held at the California Institute of Integral Studies. San Francisco, CA. December, 2014 <http://www.meetup.com/Consciousness-Hacking-San-Francisco/events/218696968/>
- Saron, C. D. *Compassionate Empathy: what children with autism can teach us about their world by entering theirs*. Bay Area TEDx event. San Francisco, CA. December 6, 2014
- Saron, C. D. *Training the Mind, Opening the Heart: Findings from the longitudinal study of intensive meditation*. Psychology Department Colloquium. University of California, San Diego. November, 2014
- Saron, C. D. *Training the Mind, Opening the Heart: Findings from the longitudinal study of intensive meditation*. Center for of Integrated Medicine, University of California, San Diego Medical School. November, 2014
- Saron, C. D. *Making The World Whole: Sensory Processing and Multisensory Integration Differences in ASD*. Invited Speaker – “Scientist’s Night” – Autistry Studios, San Rafael, CA. November 8, 2014.
- Saron, C. D. *Scientific Investigation of Contemplative Practice: What can we capture and what does the world make of it?* Public Talk sponsored by the Center for Mindfulness.

University of Virginia, Charlottesville, VA. November 2014.

- Saron, C. D. *Approaches to the scientific study of contemplative practice*. Lecture in the MOOC Buddhist Meditation and the Modern World. David Germano and Kurtis Shaeffer, course directors. <https://www.coursera.org/course/meditation>
- Saron, C. D. *Behind the gray matter: Misconceptions about in research on meditation*. Invited panel talk. 2014 Annual Meeting of the Religion Newswriters Association. September 2014. www.rna.org.
- Saron, C. D. Keynote talk, *Commonsense contemplation - findings and issues in the scientific investigation of meditative practice*. 1st National South African Conference on Mindfulness, University of Stellenbosch, SA. September 4-5, 2014 <http://www.mindfulness.org.za/mindfulness2014/conference/>
- Saron, C. D. *Promises and Pitfalls in Scientifically Assessing the Impact of Contemplative Practice: Lessons from a Decade of Work*. Workshop presentation – Fine Tuning Your Instrument: the Buddha, the Brain and Bach. Esalen Institute, Big Sur, CA, July 2014. <http://www.esalen.org/workshop/week-july-6-11/fine-tuning-your-instrument-buddha-brain-and-bach>
- Saron, C. D. *Beholding the space of the brain*. Workshop presentation – Fine Tuning Your Instrument: the Buddha, the Brain and Bach. Esalen Institute, Big Sur, CA, July 2014. <http://www.esalen.org/workshop/week-july-6-11/fine-tuning-your-instrument-buddha-brain-and-bach>
- Saron, C. D. *Scientific Investigation of Contemplative Practice: What can we capture And what does the world make of it?* Invited talk during Mark Coleman, Diana Winston, and Bob Stahl’s retreat for mindfulness facilitators. Spirit Rock Meditation Center, Woodacre, CA. June 26, 2014.
- Saron, C. D. *Contemplating a Way Forward: Meditation Research Unnaturalized but not Unnatural*. Keynote Address at: Buddhism, Mind, and Cognitive Science conference sponsored by the Center for Buddhist Studies, UC Berkeley. April 25, 2014. <http://buddhiststudies.berkeley.edu/events/>
- Saron, CD. Guest lecture, *Issues and Findings from the Longitudinal Study of Intensive Shamatha Meditation*. Consciousness: Buddhist and Neuroscientific Perspectives (L&S 124), Undergraduate course, University of California at Berkeley. April 8, 2014.
- Saron, C. D. *Training the mind, opening the heart*. Music, transcendence and spirituality, the 2014 symposium on Music and the Brain, Stanford University, Palo Alto, CA. February 2014. <http://www.ustream.tv/recorded/44129913>

- Saron, C. D. *A fast introduction to the Shamatha Project*. Graduate student recruitment blitz. Perception, Cognition, and Cognitive Neuroscience Area Group, UC Davis. February, 2014. Davis, CA.
- Saron, C. D. *Training the Mind, Opening the Heart: Findings from the Longitudinal Study of Intensive Shamatha Meditation*. Invited address. UCLA Classical Mindfulness Conference (spon: UCLA Center for Buddhist Studies). Los Angeles, CA. January, 2014 <http://web.international.ucla.edu/buddhist/events/10311>
- Saron, C. D. *Training the Mind, Opening the Heart: Findings and Lessons from the Longitudinal Study of Intensive Meditation*. Invited guest speaker. Marin County Wednesday Morning Dialogue Group, San Rafael, CA. December, 2013.
- Saron, C. D. *The effects of Long-term Intensive Meditation Practice on Physiological and Psychological Processes Central to Well-being, Attention, Emotion Regulation and Health*. Invited public talk. Mind and Life: 26 years of Contemplative Studies and Research. Dharma Drum Buddhist College, New Taipei City, Taiwan. November, 2013. http://www.mindandlife.org/wp-content/uploads/2013/10/MLI_DDTW_Public_talk_flyer.jpg
- Saron, C. D. *The effects of Long-term Intensive Meditation Practice on Physiological and Psychological Processes Central to Well-being, Attention, Emotion Regulation and Health*. Invited public address. Cultivating a Resilient Mind. University of Hong Kong, Hong Kong. November, 2013. http://www.mindandlife.org/wp-content/uploads/2013/10/MLI_Cultivating_HKU_poster.jpg
- Saron, C. D. *The effects of Long-term Intensive Meditation Practice on Physiological and Psychological Processes Central to Well-being, Attention, Emotion Regulation and Health*. Invited public address. Mindfulness: What's the Buzz. National University of Singapore. Singapore. November, 2013. http://www.mindandlife.org/wp-content/uploads/2013/10/MLI_NUS-Greater-Good-Series1.pdf
- Saron, C. D. *Training the Mind, Opening the Heart: Findings from the Shamatha Project, a Longitudinal Study of Intensive Meditation*. Invited address. The Future of Education: Contributions of Contemplative Practices and Perspectives. A public conference sponsored by Thanyapura, Phuket, Mahidol University, and the Mind and Life Institute. Phuket Thailand. November, 2013. <http://www.thanyapura.com/event/future-education-conference>
- Saron, C. D. *Training the Mind, Opening the Heart: Findings and Lessons from the Longitudinal Study of Intensive Meditation*. Invited address to clinical staff, Children's First India, New Delhi, India. Host: Dr. Dr. Kavita Arora <http://www.childrenfirstindia.com/>. October, 2013
- Saron, C. D. *Making The World Whole: Sensory Processing and Multisensory Integration Deficits in Children with Autism Spectrum Disorders*. Invited address to clinical staff,

- Children's First India, New Delhi, India. Host: Dr. Dr. Kavita Arora
<http://www.childrenfirstindia.com/>. October, 2013
- Saron, C. D. *Making The World Whole: Sensory Processing and Multisensory Integration Deficits in Children with Autism Spectrum Disorders*. Invited address. Host Nandini Chatterjee, National Brain Research Centre (NBRC) Manesar, Haryana, Gurgaon Dist. India. October, 2013
- Saron, C. D. *Training the Mind, Opening the Heart: Findings and Lessons from the Longitudinal Study of Intensive Meditation*. Invited address. Host Nandini Chatterjee, National Brain Research Centre (NBRC) Manesar, Haryana, Gurgaon Dist. India. October, 2013
- Saron, C. D. *Making The World Whole: Sensory Processing and Multisensory Integration Deficits in Children with Autism Spectrum Disorders; Making Parents Whole: Contemplative approaches toward development of calm, open hearted, focused attention in all the moments of life*. Bay Club Family Wellness Day to benefit Oak Hill School, Bay Club, Corte Madera, CA. October, 2013.
- Saron, C. D. *Training the mind: continuing insights from the Shamatha Project*. [tentative title] New Dialogs Between Buddhism And Science: Researching the Effects of Meditation and Compassion on Health and Well-Being, Ligmincha Institute, Shipman, VA. October, 2013. <http://serenityridge.ligmincha.org/retreats-and-programs/55-buddhism-and-science.html>
- Saron, C. D. *When the stars come out inside: an experiential session on the commonsense benefits of meditation supported by scientific research*. A featured presentation at: The Vail Living Well Summit, September, 2013. <http://www.vaillivingwell.org/>
- Saron, C. D. *Toward a Compassionate Stance: Intensive Meditation Alters Responses to Human Suffering*. A contribution to a workshop on Creativity, Compassion and Peacebuilding, organized by the Kroc Institute for International Peace Studies, University of Notre Dame. Seasons, Fetzer Institute, September, 2013.
- Saron, C. D. *Training the Mind, Opening the Heart*. Invited presentation to the UC Davis community as part of the Work Life Balance and Wellness Brown Bag Series. August 2013.
- Saron, C. D. *Intensive Meditation Training Alters Observed and Subjective Responses to Human Suffering*. Invited faculty presentation, inaugural Stanford CCARE Science of Compassion Summer Research Institute, Telluride, CO. July, 2013
<http://ccare.stanford.edu/event-registration/?ee=67>
- Saron, C. D. *Some Recent EEG and other studies relevant to Empathy and Compassion*. Invited faculty presentation, inaugural Stanford CCARE Science of Compassion

- Summer Research Institute, Telluride, CO. July, 2013 <http://ccare.stanford.edu/event-registration/?ee=67>
- Saron, C. D. *Intensive Meditation Training Alters Observed and Subjective Responses to Human Suffering*. Invited public presentation at "Science Of Compassion: 'News From The Front by Distinguished Professors and Researchers" sponsored by the Telluride Institute and Stanford CCARE, Telluride, CO. July 2013. <http://www.tellurideinstitute.org/compassion-2013-public-events.html>
- Saron, C. D. *The Shamatha Project*. Workshop presentation – Tuning Your Instrument: the Buddha, the Brain and Bach. Esalen Institute, Big Sur, CA, July 2013. <http://www.esalen.org/workshop/weekend-july-12-14/tuning-your-instrument-buddha-brain-and-bach>
- Saron, C. D. *Beholding the space of the brain*. Workshop presentation – Tuning Your Instrument: the Buddha, the Brain and Bach. Esalen Institute, Big Sur, CA, July 2013. <http://www.esalen.org/workshop/weekend-july-12-14/tuning-your-instrument-buddha-brain-and-bach>
- Saron, C. D. *Intensive Meditation Training Alters Observed and Subjective Responses to Human Suffering*. Invited talk, inaugural conference of the Northern California Consciousness Meeting. Center for Mind and Brain, University of California at Davis, Davis, California. June 2013. <http://ncc2013.weebly.com/>
- Saron, C. D. & Sahdra, B. K. *Glimpses from a multi-disciplinary study of intensive meditation for the transcultural examination of meditation*. Invited talk at the 2013 Advanced Study Institute in Transcultural Psychiatry: *Mindfulness in Cultural Context*, Division of Social & Transcultural Psychiatry, McGill University, Montréal, Québec June 2013 <http://www.mcgill.ca/tcpsych/training/advanced/2013>
- Sadhra, B. K. & Saron, C. D. *Lessons from a multi-disciplinary study of intensive meditation for the transcultural examination of meditation*. Invited talk as part of the public conference associated with: *Mindfulness in Cultural Context*. 2013 Advanced Study Institute Division of Social & Transcultural Psychiatry, McGill University, Montréal, Québec June, 2013. http://www.mcgill.ca/tcpsych/sites/mcgill.ca.tcpsych/files/asi_conference_program_2.pdf
- Saron, C. D. *Cultivating Concern for Others: Scientific and 1st-person Perspectives on the Benefits of a Trained Mind*. 4th International Meditation Forum: Compassion and Medicine. Lareb Ling, Roqueredonde, France. June 2013. <http://2013.buddhismandmedicine.org/en/>
- Saron, C. D. *Training the Mind, Opening the Heart: Findings and Lessons from the Longitudinal Study of Intensive Meditation*. Invited colloquium, INSERM, Lyon, France. May 2013.

- Saron, C. D. *Common Sense Contemplation*. Opening keynote address - Heart-Mind 2013: How mindfulness helps children thrive. Dalai Lama Center for Peace and Ethics at the University of British Columbia. May 2013. Video at: <http://dalailamacenter.org/heart-mind-2013-helping-children-thrive/heart-mind-2013-presenters/clifford-saron>
- Saron, C. D. *Personal and Scientific Experience with Intensive Meditation: findings and implications*. Invited course presentation, GSBGEN 524: Compassion and Leadership, Graduate School of Business, Stanford University, Palo Alto, CA. May 2013.
- Saron, C. D. *Making The World Whole: Sensory Processing and Multisensory Integration Deficits in Children with Autism Spectrum Disorders* Grand Rounds in Psychiatry, Jordan Research & Education Institute (REDI), Alta Bates Summit Medical Center, Berkeley, CA. May, 2013
- Saron, C. D. *Combining the Senses to Make The World Whole: Multi-Sensory Integration Deficits in ASD*. Bay Area Autism Lecture Series. Marin County Office of Education, San Rafael, CA. March, 2013.
- Saron, C. D. *Combining the Senses to Make The World Whole: Multi-Sensory Integration Deficits in ASD*. Peninsula & South Bay Autism Lecture Series. Wings Learning Center, Redwood City, CA. March, 2013.
- Saron, C. D. *Training the mind, Opening the heart, Holding the space: Scientific findings from the study of intensive meditation with implications toward best practices in educational contexts*. Faculty presentation webinar as part of year-long course in mindfulness in education sponsored by the Mindful Education Institute in Oakland, CA. <http://www.mindfuleducationinstitute.com/> February, 2013.
- Saron, C. D. *The Science of Mindfulness. Or: Training the mind, opening the heart: Scientific findings from the study of intensive meditation – implications for the learning and practice of the law*. Seminar in the UC Davis Law School Mindfulness Initiative. February, 2013.
- Saron, C. D. *Training the mind, opening the heart: Scientific findings from the study of intensive meditation*. Keynote address, 18th Annual College Celebration, Dean's donor acknowledgement dinner. February, 2013.
- Saron, C. D. *Training the mind, opening the heart: Scientific findings from the study of intensive meditation*. A Center for Mind and Brain presentation to the Sacramento chapter of Entrepreneurs Organization (EO), <http://www.eonetnetwork.org/>. Sacramento, CA. January, 2013.
- Saron, C. D. & Sahdra, B. K. *The Inaugural Templeton Prize Research Grant*. Featured presentation, Templeton Prize session, American Academy of Religion Annual Meeting. Chicago, Ill. November, 2012.

- Saron, C. D. *Cognitive, Emotional, Neurobiological and Physiological Effects of Intensive Buddhist Shamatha Meditation Training*. Invited talk. Contemplative Practice and Health: Laboratory Findings and Real World Challenges. A Mind and Life dialogue with H.H. the Dalai Lama. Rockefeller University, October 2012.
- Saron, C. D. *Brain, Body and Mind: Positive Psychological and Physiological Effects Of Meditation*. Living at Your Peak: a Vail Symposium Event. Sept. 2012
- Saron, C. D. Panelist. Directions in Research on Compassion at: *The Science of Compassion, Origins, Measures and Interventions*. A Stanford University CCARE conference. Telluride, CO. July 2012.
- Saron, C. D. *Halifax Model of Compassion: Three Interdependent Dimensions of Principled Compassion*. Telluride Institute Compassion Festival, Telluride, CO. July 2012
- Saron, C. D. *What can we say about compassion and neuroplasticity from the scientific study of intensive meditation training?* Telluride Institute Compassion Festival, Telluride, CO. July 2012
- Saron, C. D. *Training the mind, opening the heart: Scientific findings from the study of intensive meditation*. Public talk at Tibet House California, Sacramento, CA July 2012
- Saron, C. D. *Training the mind, opening the heart: A longitudinal investigation of intensive meditation, attention, emotion, and physiology*. Workshop Talk at: Tuning Your Instrument: The Buddha, the Brain, and Bach. A day long benefit for Spirit Rock Meditation Center. Woodacre, CA. June 2012.
- Saron, C. D. *Holding the Space of the Brain*. Workshop Talk at: Tuning Your Instrument: The Buddha, the Brain, and Bach. A day long benefit for Spirit Rock Meditation Center. Woodacre, CA. June 2012.
- Saron, C. D. *Training the mind, opening the heart: A longitudinal investigation of intensive meditation, attention, emotion, and physiology*. Seminar presentation at Google, Inc. Mountain View, CA. June 2012.
- Saron, C. D. *The Majesty of the Present*. UC Davis TEDx Event: The Power of Perspective. May 19, 2012. http://www.youtube.com/watch?v=d88Q-15W_AI
- Saron, C. D. *Intensive meditation practice: Longitudinal effects on perception, attention, emotion, and physiology*. Colloquium presentation, Department of Psychology, Northwestern University. Chicago, IL. May 2012.
- Saron, C. D. *Understanding unusual responses to everyday environments: Brain and behavioral measures of sensory processing and integration in children with ASD*.

- Keynote address. Marin Autism Collaborative Annual Meeting. Buck Institute, Novato, CA. May 2012.
- Saron, C. D. *Meditation, Neuroscience and Contemplative Experience*. Master Lecture. First International Symposium on Contemplative Studies. Denver, CO. April 2012.
- Saron, C. D. *Insights into meditation: Making the most of the time we have*. 2 hour course for seniors, Osher Lifelong Learning Center, UC Davis Extension, Davis, CA. April 2012.
- Saron, C. D. *Toward a Framework Regarding Relations of Brain, Mind, and Behavior*. Cervello, Mente E Coscienza: Esiste Una Relazione Causale, an International Meeting sponsored by the Government of Italy. Rome, Italy. March, 2012.
- Saron, C. D. *A large-scale collaborative and multi-method longitudinal study of the effects of intensive meditation training*. Neuroscience and Psychiatry Seminar Series, Department of Psychiatry, UCSF Medical Center, San Francisco, CA. January, 2012.
- Saron, C. D. *Training the mind, opening the heart: Scientific findings from the study of intensive meditation*. World Festival of Science, Genoa, Italy. October, 2011.
- Saron, C. D. *Toward a science of compassion: Intensive meditation training effects increase active engagement with human suffering*. Keynote address, First Telluride Compassion Festival. July 2011.
- Saron, C. D. *The view from within studied from without: Adventures, findings, and issues in contemplative science*. Plenary lecture, 2011 Mind and Life Summer Research Institute, Garrison, NY. June 2011.
- Saron, C. D. *Ongoing electrophysiological studies of sensory processing in ASD: Loudness dependency; multisensory integration; and interhemispheric visuomotor integration*. Autism Working Group, Department of Psychiatry, Stanford University, Palo Alto, CA. May 2011
- Saron, C. D. *Toward a neuroscience of compassion: Research findings on the effects of intensive meditation*. Speaker at The First Sino-US Postmodern Psychology Forum: Process Visions for Psychology from East and West: Seeking a Deeper and Fuller Humanity. Claremont School of Theology, Claremont, CA. April 2011.
- Saron, C. D. *Interior Justice: Extrapolating from research findings on the effects of intensive meditation*. Symposium to Explore Mindfulness in Higher Ed, Antioch College, Yellow Springs, Ohio. April 2011.
- Saron, C. D. *The view from within studied from without: Adventures, findings, and issues in contemplative science*. Keynote speaker, Annual Scientific Conference, Center

for Mindfulness in Medicine, Health Care and Society, University of Massachusetts Medical School, Worcester, MA. April 2011.

Saron, C. D. *Intensive contemplative practice: Effects on perception, attention, emotion, and physiology*. Invited colloquia. Brown University Contemplative Studies Initiative, March 2011.

Saron, C. D. *Mental Training of Attention and Emotion Regulation: Self-report, Behavioral and Electrophysiological Evidence*. Monthly OMNI neurology meeting. Center for Mind and Brain, UC Davis, Davis, CA. March 2011.

Saron, C. D. *Training the Mind: Intensive meditation, attention and emotion-regulation*. Invited Colloquia. North Dakota State University Vision Sciences Center, Fargo, ND. March 2011.

Saron, C. D. *Mind Training through Intensive Meditation: attention, emotion, and physiology*. Colloquium talk, Department of Psychiatry, Johns Hopkins Medical Center, Baltimore, MD. February, 2011

Saron, C. D. *Training the mind: A longitudinal investigation of intensive meditation, attention, emotion, and physiology*. Colloquium talk, National Center for Complementary and Alternative Medicine, National Institutes of Health. Bethesda, MD. February, 2011

Saron, C. D. *Training the mind, opening the heart: intensive meditation, attention, emotion, and physiology*. Colloquium talk, Department of Psychology, New York University, New York, NY. February, 2011.

Saron, C. D. *Training the mind, opening the heart: intensive meditation, attention, emotion, and physiology*. Colloquium talk, Department of Psychology, New School University, New York, NY. February, 2011.

Saron, C. D. *Training the mind, opening the heart: intensive meditation, attention, emotion, and physiology*. Colloquium talk in Mind/Body seminar series, Department of Health Psychology, UCSF Medical Center, San Francisco, CA. January 2011

Saron, C. D. *We know more than we see and we see less than we think: Can meditation help?* Invited talk and workshop contribution at *Zen Brain: Consciousness and the Basic Nature of Mind: Perspectives from Buddhism, Neuroscience, and Philosophy*. Upaya Zen Center, Sante Fe, NM. January 2011.

Saron, C. D. *Training the mind, opening the heart: intensive meditation, attention, emotion, and physiology*. Colloquium talk in Mind/Body seminar series, Department Health Psychology, UCSF Medical Center, San Francisco, CA. January 2011

- Saron, C. D. *Take a moment: Ongoing studies on the effects of meditation*. Invited address to fellows of the California Agricultural Leadership Program, Classes 40 and 41, UC Davis, Davis, CA. January, 2011.
- Saron, C. D. *Training the Mind: Attention, emotion, and intensive meditation*. Public Lecture at Exploratorium After Dark Lecture Series: Chill. Exploratorium, San Francisco, CA. January, 2011
- Saron, C. D. *The Shamatha Project: Training attention and emotion-regulation during the course of intensive meditation*. Invited lecture to the Buddhist community of Sacramento, CA. December 2010.
- Saron, C. D. *The Shamatha Project: first and third person perspectives on intensive contemplative practice*. Cortona-India, Hyderabad, India, November 2010.
- Saron, C. D. *Just follow the schedule and don't tell yourself stories: toward seeing (not to mention measuring) the effects of contemplative interventions*. Working group meeting on Mindfulness, University of Wisconsin, Madison, WI. October, 2010.
- Saron, C. D. *Training the Mind: Attention and emotion-regulation changes during the course of intensive meditation*. Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, GDR. October, 2010.
- Saron, C. D. *Intensive meditation training: Implications for mental training, psychological and physical health*. Invited talk at the Third International Forum on Buddhism and Medicine, Lerab Ling Institute of Wisdom and Compassion, Roqueredonde, France. October 2010.
- Saron, C. D. *Multisensory Integration in Autism Spectrum Disorders*. Invited colloquium, UCSF Autism Research Group, Langlely Porter Neuropsychiatric Institute, University of California San Francisco. September, 2010.
- Saron, C. D. *An update on results from the Shamatha Project*. Invited private presentation to H.H. the Dalai Lama. Center for a Investigating Healthy Minds grand opening, Waisman Center, University of Wisconsin, Madison, WI. May 2010.
- Saron, C. D. *Training the Mind: Attention and emotion-regulation changes during the course of intensive meditation*. Invited Research Day Talk, 8th Annual International Scientific Conference for Clinicians, Researchers and Educators, University of Massachusetts Center for Mindfulness, Amherst, MA, April 2010
- Saron, C. D. *Training attention and emotion regulation through intensive meditation: The Shamatha Project*. Invited talk. Center for Compassion and Altruism Research and Education, Stanford University, Palo Alto, CA. April 2010.

- Saron, C. D. *Training attention and emotion regulation through intensive meditation: envisioning contemplative interventions in neurodevelopmental disorders*. Invited talk. Research Seminar Series, MIND Institute, UC Davis Medical Center, Sacramento, CA. January 2010.
- Saron, C. D. *Training attention: Longitudinal changes in cortical activity associated with intensive meditation*. Invited symposium talk. Human Vision and Electronic Imaging: The International Conference on Perception and Cognition in Electronic Media. San Jose, CA. January 2010.
- Saron, C. D. *The Shamatha Project: A longitudinal study of intensive meditation effects on attention and emotion regulation*. Grand Rounds in Neurology. UCLA Medical School. Los Angeles, CA. December 2009.
- Saron, C. D. *Pathways to the study of prayerfulness: insights from contemplative neuroscience*. Consultation workshop on prayerfulness. Princeton University Center for the Study of Religion. Princeton, NJ. November 2009.
- Saron, C. D. *The Shamatha Project: A case study of scientific investigation of intensive meditation training*. Talk presented at the Dalai Lama Center for Ethics at MIT. Cambridge, MA. September 2009.
- Saron, C. D. *A longitudinal multi-method study of intensive training in meditative quiescence*. Invited research presentation to Unilever Corp. cognitive neuroscience group. Center for Mind and Brain, UC Davis. Davis, CA. June 2009.
- Saron, C. D. *Initial results from the Shamatha Project: a longitudinal multi-method study of intensive training in meditative quiescence*. Invited research presentation to the Meymandi Foundation, UC Davis Center for Mind and Brain. Davis, CA. April 2009.
- Saron, C. D. *Initial results from the Shamatha Project*. Invited presentation to H. H. the Dalai Lama as part of “Mind and Life XVIII: Dialogues between Buddhism and the Sciences -- Attention, Memory and Mind A Synergy of Psychological, Neuroscientific, and Contemplative Perspectives.” Mind and Life Institute (www.mindandlife.org) private conference. Dharamsala, India. April 2009.
- Saron, C. D. *The Shamatha Project: A longitudinal multi-method study of intensive training in meditative quiescence*. Invited talk to senior teachers, Spirit Rock Meditation Center. Woodacre, CA. March 2009.
- Saron, C. D. *The Shamatha Project: A longitudinal multi-method study of intensive training in meditative quiescence*. Project presentation to the Fetzer Institute Scientific Advisory Board. Kalamazoo, MI. March 2009.

- Saron, C. D. *The Shamatha Project: A longitudinal multi-method study of intensive training in meditative quiescence*. Invited talk at the Symposium on Contemplative Practices for Army Care Providers, National Cathedral. Washington, DC. February, 2009.
- Saron, C. D. *The Shamatha Project: A longitudinal multi-method study of intensive training in meditative quiescence*. Invited address as part of the annual staff retreat, UC Davis Extension Division. Davis, CA. January 2009.
- Saron, C. D. *Contemplating the brain: A talk in celebration of quiet awareness*. Invited teaching during Spirit Rock Center's biannual 8 day Scientist's Retreat. Woodacre, CA. January 2009.
- Saron, C. D. Rivera, S. M., Beransky, M., Marcelino L., Colombi, C., Horton, D., Riggins, T., Deprey L., Kenet, T., Rogers, S. J., & Sagar, M. *Loudness dependency of the auditory event-related potential in autism spectrum disorders: Further investigation of initial subphenotypes*. Major data presentation to consortium researchers, Autism Phenome Project, MIND Institute, UCDFMC. Sacramento, CA. December 2008.
- Saron, C. D. *The Shamatha Project: A longitudinal study of intensive training in meditative quiescence and the four immeasurables -- initial findings*. Working group on meditation research inaugural conference, University of Toronto. Toronto, Canada. December 2008.
- Saron, C. D. *The Shamatha Project: Preliminary findings from a longitudinal study of the psychological, neural and physiological effects of 3 months of intensive meditation*. Invited talk presented to the Dean's Council of UC Davis. Davis, CA. October 2008. Saron, C. D. *The shamatha project: A longitudinal study of intensive training in meditative quiescence and the four immeasurables*. Invited campus-wide address, Saint Mary's College. Moraga, CA. October 2008.
- Saron, C. D. *The Shamatha Project: A longitudinal study of intensive training in meditative quiescence and the four immeasurables*. Invited presentation at "Neuroscience and Spirituality" an interdisciplinary conference at Claremont Theological Seminary. Claremont, CA. October 2008.
- Saron, C. D. *The Shamatha Project: Preliminary findings and research issues*. Faculty presentation at the 2007 Mind and Life Summer Research Institute, Garrison, NY. June 2008.
- Saron, C.D. *The Shamatha Project: A longitudinal study of intensive training in meditative quiescence and the four immeasurables*. Invited presentation to H. H. the Dalai Lama, Mind and Life Institute summit on meditation research. Ann Arbor, MI. April 2008.

- Saron, C. D. *Brain waves to mind waves: Sensory function and integration, hemispheric interaction, and action understanding in autism*. New Faculty colloquium at the MIND Institute, UCDCMC. Sacramento, CA. November 2007.
- Saron, C. D. *The Shamatha Project: A longitudinal approach to assessing changes in attention and emotion regulation with intensive meditation training*. Invited colloquium presentation, Laboratory of Dr. Charles Raison, Department of Psychiatry, Emory University Medical School. Atlanta, GA. October 2007.
- Saron, C. D. *The Shamatha Project: An ongoing wait-list controlled longitudinal study of intensive training in meditative quiescence and the four immeasurables*. Invited talk at the Working Group Meeting on Spirituality and Meditation, Indiana State University. Terra Haute, IN. October 2007.
- Saron, C. D. *Multisensory Integration: New electrophysiologic measures*. Talk presented at the 2007 meeting of the Society for the Study of Behavioral Phenotypes, MIND Institute, UCDCMC. Sacramento, CA. October 2007.
- Saron, C. D. *The Shamatha Project: A report from the field regarding assessment of attentional and emotional training by intensive meditation*. Faculty presentation at the 2007 Mind and Life Summer Research Institute, Garrison, NY. June 2007
- Saron, C. D. *The Shamatha Project: an overview of the project*. Presentation to the staff of Shambhala Mountain Center. Red Feather Lakes, CO. May 2007.
- Saron, C. D. *The Shamatha Project: Longitudinal randomized wait-list controlled studies of effects of intensive meditation practice on attention, emotional regulation, and their neural correlates*. Detailed project presentation at a working group meditation research “summit” meeting the project hosted at the Center for Mind and Brain. Davis, CA. February 2007.
- Saron, C. D. *The Shamatha Project: Longitudinal randomized wait-list controlled studies of effects of intensive meditation practice on attention, emotional regulation, and their neural correlates*. Talk presented to the Fetzer Institute staff. Kalamazoo, MI. January 2007.
- Saron, C. D. *The Shamatha Project: can attention and emotion-regulation be trained by intensive meditation?* Talk presented at the UC Davis Chancellor’s Circle fund raising event hosted by the UC Davis Center for Mind and Brain. Davis, CA. November 2006.
- Saron, C. D. *Making states traits: A neuroscientific approach to the study of spiritual experience*. Symposium on Neuroscience and Religion, Center for the Study of Religion, Princeton University. Princeton, NJ. October 2006.
- Saron, C. D. *The Shamatha Project: Attentional and emotional training by intensive meditation*.

- Depression Center monthly grand rounds, Langley-Porter Psychiatric Institute, UCSF Medical Center. San Francisco, CA. September 2006.
- Saron, C. D. *The Shamatha Project: Attentional and emotional training by intensive meditation*. Laboratory Working Group of Drs. Elissa Epel and Owen Wolkowitz, Department of Psychiatry, UCSF Medical Center. San Francisco, CA. September 2006.
- Saron, C. D. *The training of attention and emotion regulation by intensive meditation*. “Attention, Awareness and Action” Exploring the Mind Conference sponsored by the UC Davis Center for Mind and Brain. Davis, CA. July 2006.
- Saron, C. D. *Bridging the hemispheres and binding the world: The electrophysiology of interhemispheric visuomotor communication in normal adults and multisensory integration in children with autistic spectrum disorders*. Colloquium talk at the UC Davis MIND Institute. Sacramento, CA. June 2006.
- Saron, C. D. *The Shamatha Project: An update on a randomized wait-list controlled longitudinal study of the cognitive, emotional, and neural effects of sustained, intensive meditation training*. Faculty Presentation at the Mind and Life Summer Research Institute. Garrison, NY. June 2006.
- Saron, C. D. *Experimental approaches to the evaluation of long-term meditation practice*. Invited contribution to a small research summit on applying methods of cognitive and affective neuroscience to the study of long term meditation practitioners. Organized by Dr. Jonathan Cohen, Department of Psychology, Princeton University. Princeton, NJ. May 2006.
- Saron, C. D. and Wallace, B. A. *Toward a science of contemplative practice: Issues, findings, and experiential training in meditative quiescence*. A workshop as part of Tucson VII: Toward a Science of Consciousness, University of Arizona. Tuscon, AZ. April 2006.
- Saron, C. D. *Testing neurodynamics in the wind tunnel of the mind: cortical plasticity, multisensory integration, and physiological correlates of positive mental states*. Invited talk to a workgroup on “flow” and the design of motor vehicles to promote it. ResearchSalon de Nissan, Organized by Dr. David Spiegel, Department of Psychiatry, Stanford University Medical School. Palo Alto, CA. March 2006.
- Saron, C. D. *Sight, sound, and touch unbound: An ERP investigation of multisensory integration deficits in children with autism spectrum disorders*. Invited colloquium, Department of Psychology, University of Illinois. Urbana-Champaign, IL. March 2006.
- Saron, C.D. *A neuroscience perspective on happiness*. A commentary on His Excellency Lyonpo Jigme Thinley, Minister of Home and Cultural Affairs of Bhutan’s address on Gross National Happiness. International House, University of California at Berkeley. Berkeley, CA. January 2006.

- Saron, C.D. *The Shamatha Project: A longitudinal study of the cognitive, emotional, and neural effects of sustained, intensive meditation training*. Mind and Life Summer Research Institute senior fellow presentation. Garrison, NY. June 2005.
- Saron, C. D. *Visuomotor dynamics and interhemispheric integration: ERP case studies of intraindividual differences*. UC Davis Department of Psychology Annual Conference, May 2004.
- Saron, C. D. *Electrophysiological case studies: Using high-density ERPs to identify intra- and interindividual differences in sensorimotor integration*. UCDCM MIND Institute research seminar series. Sacramento, CA. January 2004.
- Saron, C. D. *A spatiotemporal view of simple reaction time: ERP correlates of visuomotor integration*. UC Davis Center for Neuroscience Annual Retreat. South Lake Tahoe, CA. September 2003.
- Saron, C.D. *Interhemispheric dynamics revealed by high-density ERP measures of sensorimotor control*. Symposium talk at the tenth annual meeting of the Cognitive Neuroscience Society. New York, NY. March 2003.
- Saron, C. D. *Visuomotor motor cortical activation: Simple reaction time is not so simple*. Laboratory of Don Jewett, Abratech Corporation. Sausalito, CA. December 2001.
- Saron, C. D. *Spatiotemporal electrophysiology of visuomotor motor activation*. Laboratory of Richard Ivry, Department of Psychology, University of California at Berkeley. Berkeley, CA. February 2001.
- Saron, C.D. *Motor cortex activation magnitude predicts reaction time*. Laboratory of Mark D'Esposito, Department of Psychology, University of California at Berkeley. Berkeley, CA. December, 2000.
- Saron, C. D. *High-density electrophysiology of interhemispheric visuomotor integration: Relations with behavior*. Laboratory of Richard Davidson, Department of Psychology, University of Wisconsin-Madison. October 1999.
- Saron, C. D. *Spatiotemporal electrophysiology of visuomotor activation in humans: correlations with behavior*. Public thesis defense colloquium, Department of Neuroscience, Albert Einstein College of Medicine. Bronx, N.Y. July 1999.
- Saron, C. D. *Electrophysiological indices of intra- and interhemispheric visuomotor interaction*. Major paper presented at the NATO-ASI The Role of the Human Corpus Callosum in Sensory/Motor Integration: Individual Differences and Clinical Applications. Il Ciocco, Lucca, Italy. September 1996. Published in *The Parallel Brain* as Saron et al. 2003.

Saron, C. D. *Mechanisms of cortical development*. Presented at Cortona V: Metamorphoses in Nature and Life, held in Cortona, Italy. April 1991.

Saron, C. D & Davidson, R.J. *Emotion, brain activity and immune function*. A presentation of research findings to H. H. the Dalai Lama during Mind and Life III: Dialogues between Buddhism and the Sciences, a small conference held in Dharamsala, India, November, 1990. See *Chapters: Davidson & Saron, 1997*.

Published Abstracts and Conference Presentations (including submitted)

Saron, C. D., Takarae, Y., Mohammad-Rezazadeh, I, De Meo-Monteil, R., Dwyer, P., & Rivera, S. M. (2020). Inter- and intra-individual variability in multisensory integration in autism spectrum development: A behavioral and electrophysiological study. An invited symposium talk on multisensory integration presented at *Human Vision and Electronic Imaging 2020*, Burlingame, CA. January 30, 2020.

Sanai, P., Zanesco, A. P., King, B. G., Skwara, A. C., and Saron, C. D. (2020). Attention, Executive Control, and Meditation: Implications on Bounded Rationality. Poster presentation at the TAPMI-Max Planck-Chinese Academy Winter School on Bounded Rationality. Manipal, India.

Saron, C. D., Takarae, Y., Mohammadreza, I.M., Rivera, S. M. (2020). Inter and intra-individual variability in Multisensory Integration in Autism Spectrum Development: a behavioral and electrophysiological study. Invited talk, Symposium on Multisensory Integration. Human Vision and Electronic Imaging. Burlingame, CA. January.

Dwyer, P., Saron, C. D., & Rivera, S. M. (2020). Examining inter-trial variability in, and habituation of, loudness-dependent auditory ERPs in young autistic and typically-developing children. Poster accepted by 53rd Gatlinburg Conference, San Diego, CA. April.

Dwyer, P., De Meo-Monteil, R., Saron, C. D. Rivera, S. M. (2019). Age-related differences in auditory ERP responses to sounds of varying loudness in autism and typical development. Program No. 222.19. 2019 Neuroscience Meeting Planner. Chicago, IL: Society for Neuroscience, 2019. Online.

Zanesco, A.P., Skwara, A., King, B. G. & Saron, C. D. (2019). The strength and temporal dynamics of brain electric microstates are modulated by meditation training. Mind and Life Summer Research Institute. Garrison, NY. June.

Shebloski, K.L. Conklin, Q.A., King, B. G., Zanesco, A.P., & Saron, C.D. (2019). Comparing first- and second-person metrics of meditation experience. Mind and Life Summer Research Institute. Garrison, NY. June.

- Conklin, Q.A., King, B.G., Zanesco, A.P., and Saron, C.D. (2019). Competing Narratives and Questionable Assays: Does Participation in a Silent Meditation Retreat Affect Circulating Oxytocin Levels? Mind and Life Summer Research Institute. Garrison, NY. June.
- Dwyer, P., De Meo, R., Saron, C. D., & Rivera, S. M. (2019). Relationships between auditory ERP responses and caregiver-reported sensory behaviors in young children with autism spectrum development. Talk at the INSAR 2019 Annual Meeting, Montréal, QC. May.
- Dwyer, P., Wang, X., De Meo-Monteil, R., Hsieh, F., Saron, C., & Rivera, S. M. (2019). Investigating sensory subtypes using auditory ERPs in young children with autism and typical development. In A. L. Hogan (Chair), Neurophysiological indicators of ASD-related behavioral phenotypes. Symposium talk delivered at the 52nd Gatlinburg Conference, San Antonio, TX, USA. April.
- Dwyer, P., Wang, X., De Meo-Monteil, R., Hsieh, F., Saron, C., & Rivera, S. M. (2019). Defining sensory subtypes in young children with autism or typical development using loudness-dependent auditory ERPs. Poster presented at Cognitive Neuroscience Society San Francisco, CA. March.
- Dwyer, P., De Meo-Monteil, R., Saron, C., & Rivera, S. M. (2018). Heterogeneity in the auditory ERP responses of young, typically-developing children. Poster presented at the 51st Annual Meeting of the International Society for Developmental Psychobiology, San Diego, CA, USA. October-November.
- Conklin, Q. A., King, B. G., Zanesco, A. P., Lin, J., Epel, E. S. & Saron, C. D. (2018). Individual Differences in Meditation Experience and Engagement Predict Cell Aging Outcomes During Intensive Retreat. Talk presented at the 2018 International Symposium of Contemplative Research, Phoenix, AZ. <https://iscr2018.org/>
- King, B. G., Conklin, Q. A., Zanesco, A. P., & Saron, C. D. (2018). Personality Correlates of Individual Differences in Lifetime Meditation Experience and Retreat Practice Engagement. Poster presented at the 2018 International Symposium of Contemplative Research, Phoenix, AZ. <https://iscr2018.org/>
- Patterson, C. E., Conklin, Q. A. King, B. G. & Saron, C. D. (2018). Plasma BDNF shows no change during 1-month retreat. Poster presented at the 2018 International Symposium of Contemplative Research, Phoenix, AZ. <https://iscr2018.org/>
- Conklin, Q. A., Patterson, C. E., King, B. G., Zanesco, A. P., Lin, J. Epel, E. E., Mellon, S. H., & Saron, C. D. BDNF predicts retreat-related increases in telomere length in experienced meditators. Poster presented at 2018 meeting of ISPNE, Irvine, CA. September.
- Skwara, A. C., Zanesco, A. P., Powers, C., Wineberg, K., & Saron, C.D. Retreat-related reductions in EEG beta band power observed during mindfulness of breathing practice are maintained at rest. Poster to be presented at the 2018 International Symposium of Contemplative Research, Phoenix, AZ.

- Conklin, Q. A., Shebloski K. L., King, B. G., Zanesco, Bales, K. L., & Saron, C. D. Effects of meditation on peripheral oxytocin: considering practice contexts. Poster presentation at the American Psychosomatic Medicine 2017 Mid-year Conference, Berkeley, CA. October 20-21.
- King, B. G., Zanesco, A. P. & Saron, C. D. (2017). Intensive Meditation and Motivational Engagement with Human Suffering: Consequences for Cardiac Orienting and Emotional Memory. Poster presented at the Mangalam Summer Institute on Buddhism and Science, Berkeley, CA. July 17-21.
- De Meo, R., Harootonian S. K., Rivera, S. M. & C. D. Saron. Age-related changes in Auditory Event-Related Potentials differ between typically developing toddlers and those with autism spectrum disorder. Poster presentation at the 2017 International Meeting for Autism Research, San Francisco, CA. May 10-13.
- Takarae, Y., Song, W. S. & Saron, C. D. Atypical laterality in visual sensory activation and interhemispheric transfer in Autism Spectrum. Poster presentation at the 2017 meeting of the Cognitive Neuroscience Society. San Francisco, CA. March 25-28.
- Zanesco, A. P., King, B. G., Powers, C., Wineberg, K., De Meo, R., & Saron, C. D. Modulation of Event-related Potential Markers of Sustained Response Inhibition in Intensive Meditation Training. Poster presentation at the 2017 meeting of the Cognitive Neuroscience Society. San Francisco, CA. March 25-28.
- De Meo, R., Harootonian, S. K., Nordahl, C. W., Amaral, D. G., Rivera, S. M., & Saron, C. D. Differential altered auditory electrocortical responses in young children with and without megalencephaly on the autism spectrum. Poster presentation at the 2017 meeting of the Cognitive Neuroscience Society. San Francisco, CA. March 25-28.
- De Meo, R., Fisher, T. G., Takarae, Y., Rivera, S. M., & Saron, C. D. Electrophysiological response to sounds of different loudness in children on the autistic spectrum and typically developing children: an ERP study. Poster 212.06 presented at the 2016 annual meeting of the Society for Neuroscience. San Diego, CA. November.
- Takarae, Y., Vieira, F., Song, W., & Saron, C. Atypical laterality in visual sensory activation during simple sensorimotor tasks in Autism Spectrum Disorders. Poster 212.20 presented at the 2016 annual meeting of the Society for Neuroscience. San Diego, CA. November.
- Conklin, Q., Alvarez, M. J, King, B. G., Zanesco, A. P., Pokorny, J. J., Hamadhi, A., Tomàs, M., Lin, J., Epel, E. S., Kaliman, P., Blackburn, E. H. & Saron, C. D. The effects of intensive Insight meditation on telomeric regulation. Talk delivered at the 2016 International Symposium of Contemplative Studies. San Diego, CA. November.

- Mason, A., Saron, C., Gilbert, A., Coccia, M., Prather, A., & Epel, E. A tailored mindfulness intervention for parents: effects on daily interactions. Accepted paper for delivery at the 2016 International Symposium of Contemplative Studies. San Diego, CA. November.
- Skwara, A. C., King, B. G., Zanesco, A. P., Powers, C., Wineberg, K., & Saron, C. D. Resting EEG theta/beta ratios predict emotional experience in intensive meditation retreats. Talk delivered at the 2016 International Symposium of Contemplative Studies. San Diego, CA. November.
- Zanesco, A. P., King, B. G., Pokorny, J. J., & Saron, C. D. Considerations of mindfulness and meditation from a training perspective: issues and perspectives in research. Talk delivered at the 2016 International Symposium of Contemplative Studies. San Diego, CA. November.
- Saron, C. D., Powers, C. E., Zanesco, A. P., King, B.G., & Wineberg, K. R. Longitudinal training in meditation is associated with decreased prestimulus alpha during a sustained attention task. Poster presentation, 2016 annual meeting of the Cognitive Neuroscience Society, New York, NY. April.
- King, B. G., Zanesco, A. P., Shaver, P. R., Jacobs, T. L., Conklin, Q. C. & Saron, C. D. Patterns of cardiac responding following intensive meditation predict long-term encoding of emotional scenes. Poster presentation 2016 annual meeting of the Cognitive Neuroscience Society, New York, NY. April.
- Zanesco, A. P., King, B. G., MacLean, K. A., Aichele, S. R. & Saron, C. D. Long-term Maintenance of Meditation-Training Related Improvements in Response Inhibition and Vigilant Attention. Abstract accepted for the 2016 annual meeting of the Cognitive Neuroscience Society, New York, NY. April.
- Conklin, Q. A., King, B. G., Zanesco, A. P., Pokorny, J. J., Hamidi, A. B., Lin, J., Epel, E. S., Blackburn, E. H. and Saron, C. D. Telomere lengthening after three weeks of an intensive Insight meditation retreat. Poster presentation at the International Society of Psychoneuroendocrinology annual meeting, Edinburgh, Scotland. September 8-11, 2015
- Conklin, Q. A., King, B. G., Zanesco, A. P., Hamidi, A. B., Pokorny, J. J., Weinstein, T. A. R., Bales, K. A., & Saron, C. D. Decreased Oxytocin Following Three Weeks of Intensive Insight Meditation. Poster presented at the 2015 Mind and Life Summer Research Institute, June 14-20, 2015. Garrison, NY.
- Powers, C. E., Zanesco, A. P., Wineberg, K. R., King, B. G., MacLean, K. A., Aichele, S. R., Sagar, M., Bridwell, D. A., Jacobs, T. L. Wallace, B. A., & Saron, C. D. Longitudinal modulations of cortical responses during a visual continuous performance task: Effects of practice or intensive meditation training? Poster presented at the Society for Neuroscience annual meeting, Chicago, IL. October 2015

- Skwara, A., King, B. G., Zanesco, A. P., Powers, C. E., Wineberg, K. R., Saggar, M., Aichele, S., Bridwell, D. A., Jacobs, T. L., MacLean, K. A., Sahdra, B. K., Ferrer, E., Wallace, B. A., & Saron, C. D. Resting EEG theta/beta ratios increase reliably over the course of intensive three-month meditation retreats. Poster presented at the 2015 Society for Neuroscience annual meeting, Chicago, IL. October, 2015
- King, B. G., Zanesco, A. P., Shaver, P. R., Jacobs, T. L., Aichele, S. R., Bridwell, D. A., MacLean, K. A., Wallace, B. A. & Saron, C. D. Remote emotional memory for depictions of human suffering following an intensive meditation intervention. Talk presented at: *Mindfulness and Compassion: The Art and Science of Contemplative Practice*, a meeting of the Consciousness, Mindfulness & Compassion International Association. San Francisco, CA. June 3-7, 2015. <http://www.cmc-ia.org/mcc2015/wp-content/uploads/2014/09/MCC2015-Program-Guide.pdf>
- Conklin, Q. A., King, B. G., Zanesco, A. P., Hamidi, A. B., Pokorny, J. P., Weinstein, T. A. R., Bales, K. A., & Saron, C. D. (2015). Decreased Plasma Oxytocin Levels Following Three Weeks of Intensive, Silent Vipassana Practice. Talk presented at Mindfulness and Compassion: The Art and Science of Contemplative Practice, a meeting of the Consciousness, Mindfulness & Compassion International Association. San Francisco, CA. June 3-7. <http://www.cmc-ia.org/mcc2015/wp-content/uploads/2014/09/MCC2015-Program-Guide.pdf>
- Conklin, Q. A., King, B. G., Zanesco, A. P., Jacobs, T. L., Pokorny, J. J., Aichele, S. R., Bridwell, D. A., Maclean, K. A. Bales, K. L. Shaver, P. R., Rosenberg, E. L., Wallace, B. A., Ferrer, E., Sahdra, B. K., and Saron, C. D. (2014). The effects of intensive meditation training on oxytocin, vasopressin, and attachment style. Poster presented at the meeting of the Society for Neuroscience. Washington, D.C. November.
- Aschbacher, K., Saron, C. D., Gilbert, A., Arenander, Epel E. Effects of Early Adversity and Stress Vulnerability on Treatment Response to Mindfulness Based Stress Reduction. Poster presented at the Integrated Medicine and Health annual meeting. Las Vegas, Nevada. May, 2014
- Lutz, A, Jha, A., Dunne, J. & Saron, C.D. Investigating the phenomenal and neurocognitive matrix of mindfulness-related practices. Panel to be presented at the 2014 International Symposium of Contemplative Studies (<http://www.iscs2014.org/>), Boston, MA. October 2014.
- Zanesco, A. P., King, B. G., MacLean, K. A., Jacobs, T. L. Aichele, S. R. Wallace, B. A. Smallwood, J., Schooler, J. W. & Saron, C. D. The impact of meditation training on mind wandering while reading. Poster presented at the 2014 International Symposium of Contemplative Studies (<http://www.iscs2014.org/>), Boston, MA. October 2014.
- Pokorny, J. J., Zanesco, A. P., Bauer-Wu, S. M., Whitworth, R., Wallace, B. A., Sahdra, B. K. & Saron C. D. Network analytic strategies for quantifying qualitative changes in

- personal meaning during intensive meditative training. Poster presented at the 2014 International Symposium of Contemplative Studies (<http://www.iscs2014.org/>), Boston, MA. October 2014.
- Rezazadeh, I. M., Vieira, F. G., Takarae, Y., Schneider, A., Huynh, N. H., Colby, Colby, Huffman, S. G, O’neill, A, Isayeva, A., Rivera, S. M., Saron, C. D. Single trial event-related potential analyses in relation to behavioral measures of unisensory processing and multisensory integration in autism spectrum disorders. Presented at the 2013 Society for Neuroscience annual meeting, San Diego, CA. November. Session: 49.11
- Takarae, Y, Mohammadrezadezah, I., Vieira, F. G. & Saron, C. D. Inhibitory control in autism spectrum disorders. Presented at the 2013 Cognitive Neuroscience Society meeting. San Francisco, CA April 2013.
- Rosenberg, E. L., Zanesco, A. P., King, B. G., Aichele, S. R., Jacobs, T. L., Bridwell, D. A., MacLean, K. A., Shaver, P. R., Ferrer, E., Sahdra, B. K., Wallace, B. A., and Saron, C. Meditation and the plasticity of emotion: Facial expression and the unfolding of emotional responses to suffering. Invited symposium talk, American Psychological Society Annual Meeting. Chicago, IL. May 2012.
- Jacobs T. L., Zanesco, A. P., Aichele, S. R., Bridwell, D. A., King, B. G., MacLean, K. A., Shaver, P. R., Epel, E. E., Kemeny, M. M., Sahdra, B. K., Rosenberg, E. L., Ferrer E., Wallace, B. A. and Saron, C. D. Effects of a Shamatha Meditation Retreat on Working Memory Span, Dehydroepiandrosterone-sulfate (DHEAS), and Their Association. To be presented at the First International Symposium on Contemplative Studies. Denver, CO. April 2012.
- Bauer-Wu, S., Sahdra, B. K., Whitworth, R., MacLean, K. A., Aichele, S. R., Jacobs, T. L., Zanesco, A. P., Bridwell, D. A., King, B. G., Rosenberg, E. L., Shaver, P. R., Ferrer, E., Mangun, G. R., Wallace, B. A., & Saron, C. D. The first-person experience of intensive meditation training and associations with third-person socio-emotional-cognitive data. Presented at the First International Symposium on Contemplative Studies. Denver, CO. April 2012. Online.
- Zanesco, A. P., King, B. K., MacLean, K. A., Jacobs, T. L. Aichele, S. R. and Saron, C. D. Executive Control and Felt Concentrative Engagement after Intensive Vipassana Meditation Training. Presented at the First International Symposium on Contemplative Studies. Denver, CO. April 2012. Online.
- Saron, C. D., Takarae, Y., Beransky, M., Horton, D. M., Stark, A., Schneider, A., Vieira, F., & Rivera, S. M. Multisensory integration deficits in children with autism spectrum disorders: a behavioral and ERP investigation. Symposium talk. Human Vision and Electronic Imaging, San Francisco, CA. January, 2012. Online.
- Saggar, M., B. G., Sahdra, MacLean, K. A., Aichele, S.R, Jacobs, T.L., Zanesco, A. P.,

- Bridwell, D. A., King, B. K., Rosenberg, E. L., Shaver, P. R., Ferrer, E., Wallace, B. A., Mangun, G. R., Saron, C. D. & Miikkulainen, R. A computational model to understand longitudinal changes in EEG associated with intensive meditation training. Presented at the 2011 Society for Neuroscience annual meeting. Program 930.16. November, 2011. Online.
- Jacobs, T. L., Epel, E. S., Zanesco, A. P., Aichele, S. R., Bridwell, D. A., King, B. G., MacLean, K. A., Shaver, P. R., Rosenberg, E. L., Sahdra, B. K., Ferrer, E., Kemeny, M. M., Wallace, B. A., and Saron, C. D. Mindfulness Reduces Cortisol Reactivity to Separation- Related Sadness and Attenuates Day-to-Day Variability of the Cortisol Awakening Response. Society of Biological Psychiatry Annual Meeting, San Francisco, CA. May 2011. Online.
- Saggar, M., Maclean, K. A., Aichele, S. R., Jacobs, T. L., Zanesco, A. P., Bridwell, D. A., King B. G., Sahdra, B. K., Rosenberg, E. L., Shaver, P. R., Ferrer, E., Wallace, B. A., Mangun, G. R., Miikkulainen, R. & Saron, C. D. Cortical activation changes associated with intensive meditation training are related to vigilance performance. Poster presented at the Society for Cognitive Neuroscience annual meeting, San Francisco, April, 2011. Online.
- King, B. G., Zanesco, A. P., Rosenberg, E. L., Bridwell, D. A., Jacobs, T. L., Aichele, S. R., MacLean, K. A., Shaver, P. R., Sahdra, B. K., Ferrer, E., Wallace, B. A., & Saron, C. D. Differential Responses to Images of Threat and Human Suffering After Intensive Meditation Training. Poster presented at the Society for Cognitive Neuroscience annual meeting, San Francisco, April, 2011.
- Rosenberg, E., Zanesco, A. P., King, B. G., Aichele, S. R., Jacobs, T. L., Maclean, K. A., Bridwell, D. A., Sahdra, B. K., Ferrer, E., Shaver, P. R., Wallace, B. A., & Saron, C. D. Intensive meditation training influences emotional responses to scenes of human suffering. Invited symposium talk at the annual meeting of the Society for Personality and Social Psychology, San Antonio, TX. January, 2011. Online.
- Saron, C. D., Sahdra, B. K., Maclean, K. A., Jacobs, T. L., Ferrer, E., Epel, E., Blackburn, L., Shaver, P. R., Lin, J., Aichele, S. R., Bridwell, D. A., Zanesco, A. P., & King, B. G. Intensive meditation training enhances response inhibition, adaptive socio-emotional functioning, and markers of cellular aging. Invited symposium talk at the annual meeting of the Society for Personality and Social Psychology, San Antonio, TX. January, 2011. Online.
- Sahdra, B.K., MacLean, K. A., Ferrer, E., Shaver, P. R., Rosenberge, E. L., Jacobs, T. L., Zanesco, A. P., King, B. G., Aichele, S. R., Bridwell, D. A., Mangun, G. R., Lavy, S., Wallace, B. A., & Saron, C. D. Response Inhibition Enhanced By Meditation Training Predicts Improved Adaptive Functioning. Poster presented at the 2010 meeting of the American Psychological Association, San Diego, CA. August 2010. Online.
- Saggar, M., Aichele, S.R, Jacobs, T.L., Zanesco, A. P., Bridwell, D. A., MacLean, K. A., King,

- B. G., Sahdra, B. K., Rosenberg, E. L., Shaver, P. R., Ferrer, E., Wallace, B. A., Mangun, G. R., Saron, C. D. & Miikkulainen, R. A computational approach to understanding the longitudinal changes in cortical activity associated with intensive meditation training. Oral presentation, Computational Neuroscience Society annual meeting, San Antonio, TX. July 2010. Online.
- King, B. G., Zanesco A. P., Bridwell, D. A., Jacobs, T. L., Aichele, S. R., MacLean, K. A., Shaver, P. R., Rosenberg, E. L., Sahdra, B. K., Ferrer, E., Wallace, B. A., and Saron, C. D. Accentuate the positive: Longitudinal effects of intensive meditation training on modulation of the emotion potentiated startle reflex. Poster presentation at the annual meeting of the Cognitive Neuroscience Society, Montreal, CA. April, 2010. Online.
- Saggar, M., Aichele, S. R., Jacobs, T. L., Zanesco, A. P., Bridwell, D. A., MacLean, K. A., King, B. G., Sahdra, B. K., Rosenberg, E. L., Shaver, P. R., Ferrer, E., Tang, A. C., Wallace, B. A., Mangun, G. R., Miikkulainen R., & Saron, C. D. Training attention: longitudinal changes in cortical activity associated with intensive meditation. 2010 SPIE Human Vision and Electronic Imaging Conference Symposium Presentation. Online.
- Saggar, M., Aichele, S. R., Jacobs, T. L., Zanesco, A. P., Bridwell, D. A., Maclean, K. A., King, B. G., Sahdra, B. K., Rosenberg, E. L., Shaver, P. R., Ferrer, E., Tang, A. C., Wallace, B. A., Mangun, G. R., Miikkulainen, R., & Saron, C. D. (2009). Longitudinal changes in brain activity associated with intensive meditation training. Program No. 871.2. *2009 Neuroscience Meeting Planner*. Chicago, IL: Society for Neuroscience, 2009. Online.
- MacLean, K. A., Aichele, S. R., Bridwell, D. A., Jacobs, T. L., Zanesco, A. P., King, B. G., Saggar, M., Mazaheri, A., Ferrer, E., Rosenberg, E. L., Sahdra, B. K., Shaver, P.R., Wallace, B. A., Mangun G. R., & Saron, C. D. (2009). Effects of intensive meditation training on sustained attention: Changes in visual event-related potentials, ongoing EEG and behavioral performance. Program No. 871.3. *2009 Neuroscience Meeting Planner*. Chicago, IL: Society for Neuroscience, 2009. Online.
- Rosenberg, E. L., Zanesco, A., King, B., Aichele, S., Jacobs, T. L., MacLean, K. A., Bridwell, D., Wallace, B. A., and Saron, C. D. (2009). Intensive Meditative Training Changes Facial Responses to Scenes of Human Suffering. Symposium talk presented at the American Psychological Society annual meeting. Online.
- Jacobs, T. L., Epel, E. S., Jue, L., Blackburn, E. H., Wolkowitz, O. M., Bridwell, D. A., Zanesco, A. P., Aichele, S. R., King, B. G., Sahdra, B. K., Maclean, K. A., Lavy, S., Shaver, P. R. Ferrer, E., Rosenberg, E. L., Wallace, B. A., & Saron, C. D. (2009). The relation between telomerase activity and intensive meditation training is mediated by changes in psychological well-being. Symposium Presentation at the International Society for Psychoneuroendocrinology meeting. San Francisco, CA.

- Saron, C. D., Beransky, M., Takarae, Y., Horton, D. M., Stark, A., & Rivera, S. M. (2009). Sight, sound and touch less bound: A behavioral and ERP investigation of multisensory integration deficits in children with autism spectrum disorders. Abstracts of the 10th International Multisensory Research Forum. New York, NY. P. 359. Online.
- Hatt, N., Colombi, C., Saron, C. D., Rogers, S. J., & Rivera, S. M. (2009). Neural basis of action and intention understanding in autism and typical development. Abstract 134.28, International Meeting for Autism Research. Chicago, IL.
- Colombi, C., Saron, C. D., Beransky, M., Takarae, Y., Vivanti, G., Nadig, A., Rivera, S. M., Champion-Fritz, Z., Ozonoff, S., & Rogers, S. J. (2009). Mirror neuron system activation in autism in response to transitive and intransitive actions. Abstract 134.38, International Meeting for Autism Research. Chicago, IL.
- Marcelino, L. M., Beransky, M., Colombi, C., Riggins, T., Horton, D. M., Deprey, L., Kenet, T., Rogers, S. J., Rivera, S. M., & Saron, C. D. (2009). Subphenotyping of autism spectrum disorders using auditory event-related potentials. Abstract 134.44, International Meeting for Autism Research. Chicago, IL.
- MacLean, K. A., Aichele, S., Bridwell, D., Jacobs, T.L., Zanesco, A., King, B., Mangun, G. R. & Saron, C. D. (2008). Intensive attention training in concentration meditation leads to improvements in visual sustained attention and response inhibition. Program No. 871.1. 2008 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2008. Online.
- Beransky, R. M., Marcelino, L. M., Colombi, C., Horton, D. M., Riggins, T., Rivera, S. M., & Saron, C. D. (2008). Electrophysiological subphenotyping of autism based on the loudness dependency of auditory event-related potentials. Program No. 346.18. 2008 Neuroscience Meeting Planner. Washington, DC: Society for Neuroscience, 2008. Online.
- Colombi, C., Saron, C. D., Rivera, S. M., & Rogers, S. J. (2008). Intentions, social development, and mirror neurons in autism. Poster 145.28 presented at the International Meeting for Autism Research. London, England. Online.
- MacLean, K. A., Saron, C. D., Aichele, S., Bridwell, D., Jacobs, T. L., Zanesco, A., & Mangun, R. (2008) Improvements in perceptual threshold with intensive attention training through concentration meditation. Presented at the 2008 meeting of the Society for Cognitive Neuroscience annual meeting, San Francisco, CA. Online.
- Lavy, S., Shaver, P. R., Saron, C. D., & Zanesco, A. (2007). Gender differences in relations between meditation, empathy, and emotion regulation. Presented at the 2007 meeting of the American Psychological Society. Washington, D.C.
- Saron, C. D., Horton, D. M., Rivera, S. M., DeBoer, T., Beransky, M., & Columbi, C. (2007). Attenuated primary auditory cortex activation in toddlers with autism spectrum

- disorders: Evidence from high-density middle latency AEPs. Poster PS2.49 presented at the 2007 International Meeting for Autism Research (IMFAR). Vancouver, BC.
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- Saron, C. D., Horton, D. M., Rivera, S. M., & Coffey-Corina, S. (2006). Sight, sound, and touch unbound: An ERP investigation of multisensory integration deficits in children with autism spectrum disorders. Presented at the 2006 meeting of the Cognitive Neuroscience Society, San Francisco, CA. Online.
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- Saron, C. D., Schroeder, C. E., Foxe, J. J., & Vaughan, H. G., Jr. (2000). Visual activation of frontal cortex: Segregation from occipital activity. *Journal of Cognitive Neuroscience 2000 Supplement, 95*. Online.
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- Saron, C. D., Vaughan, H. G., Jr., Foxe, J. J., & Simpson, G. V. (1998). Electrophysiological evidence for multiple motor output regions as a function of reaction time. *Society for Neuroscience Abstracts*, Vol. 24. Part 1, 403.
- Saron, C. D., Lassoigne, M., Vaughan, H. G. Jr., Foxe, J. J., Alfhors, S. P., & Simpson, G. V. (1997). Interhemispheric visuomotor interaction in callosal agenesis: Spatiotemporal patterns of cortical activation. *Society for Neuroscience Abstracts*, Vol. 23. Part 2, 1949.
- Saron, C. D., Vaughan, H. G., Jr., Simpson, G. V., & Foxe, J. J. (1997). Activation magnitude of motor output regions predicts reaction time during a visuomotor task. 1997 Proceedings of the annual meeting of the Cognitive Neuroscience Society. Boston, MA.
- Saron, C. D., Vaughan, H. G. Jr., Simpson, G. V., & Foxe, J. J. (1996). Effects of reaction time on visuomotor interaction: spatio-temporal patterns of intra- and interhemispheric cortical activation. *Society for Neuroscience Abstracts*, Vol. 22, Part 2, 890.
- Saron, C. D., Vaughan, H. G., Jr., Simpson, G. V., & Foxe, J. J. (1996). Effects of response speed on spatiotemporal patterns of cortical activation during a visuomotor task. 1997 Proceedings of the annual meeting of the Cognitive Neuroscience Society. San Francisco, CA.
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- Saron, C. D., Vaughan, H. G., Jr., Simpson, G. V., & Foxe, J. J. (1995). Timing and spatial distribution of interhemispheric visuomotor communication. Presented at the first meeting of the Organization for Human Brain Mapping. Paris, France. Published in *Human Brain Mapping*, S1, 289.
- Saron, C. D., Vaughan, H. G., Jr., Simpson, G. V., & Foxe, J. J. (1995). Spatial distribution and timing of interhemispheric visuomotor interaction. 1997 Proceedings of the annual meeting of the Cognitive Neuroscience Society. San Francisco, CA.
- Davidson, R. J., Saron, C. D., & May, F. (1992). The timing of interhemispheric interaction: Effects on cognitive performance. Presented by Saron at the Workshop on the Corpus Callosum and Interhemispheric Transfer, a Satellite conference of the XXV International Congress on Psychology. Priorij Corsendonk, Oud-Turnhout, Belgium.

- Saron, C. D. & Davidson, R. J. (1991). The role of interhemispheric transfer time in cognitive performance. *Journal of Clinical and Experimental Neuropsychology*, 13, 67.
- Saron, C. D. & Davidson, R. J. (1989). Reliability of visual evoked response estimates of interhemispheric transfer time: Further Studies. *Psychophysiology*, 26, S53.
- Saron, C. D. & Davidson, R. J. (1989). Visual evoked potential estimates of interhemispheric transfer time in humans: Effects of vertical position within a hemifield. *Society for Neuroscience Abstracts*, Vol. 15, part 2. 1061.
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- Henriques, J. B., Davidson, R. J., Straus, A., Senulis, J. A., & Saron, C. D. (1987). Emotion-elicited EEG asymmetries differ in depressed and control subjects. *Psychophysiology*, 24, 591-592.
- Saron, C. D. & Davidson, R. J. (1986). Response hand influences visual evoked potential estimates of interhemispheric transfer time in children. *Psychophysiology*, 23, 458.
- Cohen, B. H., Saron, C. D., Senulis, J., & Davidson, R. J. (1986). Muscle tension patterns associated with auditory attention as compared with short-term digit retention. *Psychophysiology*, 23, 458.
- Saron, C. D., Reiner, P. D., & Davidson, R. J. (1985). Visual evoked potential measures of interhemispheric transfer time: Occipital region effects. *Society for Neuroscience Abstracts*. 11, 866.

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- Saron, C. D., Reiner, P.D. and Davidson, R.J. (1984). Evoked potential and reaction time measurement of interhemispheric transfer time. *Society for Neuroscience Abstracts*. 1984, 10, 315.
- Schaffer, C. E., Davidson, R. J. & Saron, C. D. (1984). Affective response to faces: Visual field asymmetries in depressed and non-depressed individuals. Paper presented at the International Neuropsychology Society annual meeting. Houston, TX.
- Fox, N. A., Davidson, R. J., Schaffer, C. E., Saron, C. D., & Gelles, M. (1983). EEG asymmetries in newborn infants in response to tastes differing in affective valence. *Psychophysiology*, 20, 440.
- Schaffer, C. E., Davidson, R. J., & Saron, C. D. (1983). Parietal and frontal EEG asymmetry in depressed and non-depressed subjects. *Psychophysiology*, 18, 345-346.
- Davidson, R. J., Perl, J., & Saron, C. D. (1983). Hemispheric interaction in repressors and non-repressors. Paper presented at the International Neuropsychology Society annual meeting. Mexico City, Mexico.
- Bennett, J., Davidson, R. J., & Saron, C. D. (1981). Patterns of self-rating in response to verbally elicited affective imagery: Relation to frontal versus parietal EEG asymmetry. *Psychophysiology*, 18, 158.
- Davidson, R. J., Taylor, N., Saron, C. D., & Stenger, M. (1980). Individual differences and task effects in EEG measures of hemispheric activation I: Effects of reference electrode. *Psychophysiology*, 17, 311.
- Davidson, R. J., Taylor, N., Saron, C. D., & Stenger, M. (1980). Individual differences and task effects in EEG measures of hemispheric activation II: Effects of familial sinistrality. *Psychophysiology*, 17, 312.
- Leslie, S. C., Davidson, R. J., Kessler, S., Saron, C. D., & McKenna, W. (1980). Event-related potentials in response to ambiguous male and female faces: Biocognitive substrates of gender recognition. *Psychophysiology*, 17, 300.
- Davidson, R. J., Taylor, N., & Saron, C. D. (1979). Hemisphericity and styles of information processing: Individual differences in EEG asymmetry and their relationship to cognitive performance. *Psychophysiology*, 16, 197.

Davidson, R. J., Schwartz, G. E., Saron, C. D., Bennett, J., & Goleman, D. J. (1979). Frontal versus parietal EEG asymmetry during positive and negative affect. *Psychophysiology*, 16, 202-203.

Grants and other Support

- 2020-21 Supplemental graduate student support, Yoga Science Foundation. \$100,000. PI: C. D. Saron
- 2020 Supplemental funds to support the *Paths for Training Compassion* project. Baumann Foundation. \$10,000. PI: C. D. Saron
- 2020 Supplemental funds to support the Shamatha Project and related work. Anonymous. \$30,000 pledged. PI: C. D. Saron
- 2019-21 Collaborative Agreement to support the *Paths for Training Compassion Project*. The Fetzer Institute. \$180,000 direct. PI: C. D. Saron
- 2019 Supplemental funds to support the Shamatha Project and related research. Hershey Family Foundation. \$15,000. PI: C. D. Saron
- 2019 Supplemental funds to support the *Paths for Training Compassion* project. Baumann Foundation. \$10,000. PI: C. D. Saron
- 2019-21 Supplemental funds to support the *Paths for Training Compassion* project. Owsley Brown Foundation. \$60,000. PI: C. D. Saron
- 2019-21 *Can meditation practice ameliorate the consequences of early life adversity on telomere regulation?* Varela Grant from the Mind and Life Institute. \$20,000. Supervising sponsor: C. D. Saron. (Student awardee: Quinn Conklin)
- 2019-21 Compassion Institute: Funds in support of the project: *Paths for Training Compassion: Motivational Salience of Suffering and Interpersonal Resonance in Daily Life*. \$108,000. PI: C. D. Saron.
- 2019 Anonymous. *Supplemental funds in support of the Shamatha Project and related work*. 30,000. PI: C. D. Saron
- 2019 Yoga Science Foundation. *Supplemental funds in support of the Shamatha Project and related work*. 20,000. PI: C. D. Saron
- 2019-20 Hershey Family Foundation. *Supplemental funds in support of the Shamatha Project and related work*. \$88,000 PI: C. D. Saron
- 2018 Yoga Science Foundation. *Supplemental funds in support of the Shamatha Project and related work*. 20,000. PI: C. D. Saron

- 2018 Robert Shoes Fund. *Supplemental funds to support sensory processing in Autism.* \$12,500
- 2018 Anonymous. *Supplemental funds in support of the Shamatha Project and related work.* 30,000. PI: C. D. Saron
- 2017-22 NIH 1P50HD093079-01 Center for the Development of Phenotype-Based Treatments of Autism Spectrum Disorder
PI: D. G. Amaral
Role on Project: Co-I
\$1,663,568 Direct 2018.
- 2017-18 John Templeton Foundation Grant #60843. *Putting the Buddhism/Science Dialogue on a New Footing.* To Mangalam Research Center, Berkeley, CA. Role: Co-director. \$217,000
- 2017 Baumann Foundation. *Supplemental funds for a graduate student.* \$10,000. Supervisor: Saron, C. D.
- 2017 Jennifer and Scott Fearon. *Supplemental funds in support of analysis of sensory processing in autism.* \$15,000 PI: C. D. Saron
- 2017-19 Hershey Family Foundation. *Supplemental funds in support of the Shamatha Project and related work.* \$180,000 PI: C. D. Saron
- 2017 Anonymous. *Supplemental funds in support of the Shamatha Project and related work.* 30,000. PI: C. D. Saron
- 2016-17 Robert Shoes Foundation. \$28,000 *in support of analysis of sensory processing studies in autism.* PI: C. D. Saron
- 2016 Tom & Nancy Driscoll. *Supplemental funds in support of the Shamatha Project and related work.* \$45,000 PI: C. D. Saron
- 2016 Hershey Family Foundation. *Supplemental funds in support of the Shamatha Project.* \$88,000 PI: C. D. Saron
- 2016 Anonymous Donor. *Supplemental funds in support of the Shamatha Project.* \$20,000. PI: C. D. Saron
- 2016 Tan Teo Foundation. *Supplemental funds in support of the Shamatha Project.* \$5000. PI: C. D. Saron.
- 2016 Yoga Science Foundation. *Supplemental funds in support of the Shamatha Project.* \$20,000. PI: C. D. Saron.

- 2015 Hershey Family Foundation: *Supplemental Funding for The Shamatha Project*. \$75,000. PI: C. D. Saron.
- 2013-16 NSF BCS 1339049 *Mechanisms of Willed Attention*. \$532,005 PI: Mangun, G.R. C. D. Saron, Co-I
- 2015 Anonymous Individual Donor; Supplemental funding for a graduate student. \$40,000. Supervisor: C. D. Saron
- 2015 Hershey Family Foundation: *Supplemental funding to undertake longitudinal study of psychobiological changes associated with one month of intensive vipassana meditation*. \$40,000. PI: C. D. Saron.
- 2013 Hershey Family Foundation: *Supplemental funding to undertake longitudinal study of psychobiological changes associated with one month of intensive vipassana meditation*. \$30,000. PI: C. D. Saron.
- 2013 Tan Teo Charitable Foundation: *Supplemental funding to undertake longitudinal study of psychobiological changes associated with one month of intensive vipassana meditation*. \$20,000 PI: C. D. Saron.
- 2013 Nancy and Tom Driscoll, Individual Donors: *Seed funding to undertake longitudinal study of psychobiological changes associated with one month of intensive vipassana meditation*. \$20,000. PI: C. D. Saron.
- 2013-16 John Templeton Foundation Grant 39970: *Quantifiable Constituents of Spiritual Growth*. Continuation of Shamatha Project Analysis including six-year follow-up data qualitative and quantitative data collection. \$1,996,353 direct. PI: C. D. Saron.
- 2012-15 National Science Foundation Predoctoral Fellowship: *Investigating Neural Mechanisms Underlying Sustained Attention with Meditation Training*. \$135,000. PI Anahita Hamadi. C. D. Saron Co-supervisor.
- 2012-13 Hershey Family Foundation grant: *Supplemental Funding for The Shamatha Project*. \$75,000. PI: C. D. Saron.
- 2011-12 Hershey Family Foundation grant: *Supplemental Funding for The Shamatha Project*. \$75,000. PI: C. D. Saron.
- 2011-14 Anonymous. Individual donor: *Supplemental Funding for The Shamatha Project*. \$75,000. PI: C. D. Saron.
- 2010-12 1 R21 MH086854-01A1. Multisensory integration in children with autism spectrum disorders. PI: C. D. Saron. \$275,000 direct.

- 2010-13 *The Shamatha Project: A Longitudinal, Randomized Waitlist Control Study of Cognitive, Emotional, and Neural Effects of Intensive Meditation Training.* Fetzer Institute grant #2191. Competing Supplement, \$121,800. PI: C. D. Saron.
- 2010-12 Baumann Institute: *Supplemental Funding for the Shamatha Project in support of graduate students.* \$52,000, PI: C. D. Saron.
- 2011-12 Grant Couch and Louise Pearson: *Supplemental Funding for The Shamatha Project.* \$5,000. PI: C. D. Saron.
- 2010-12 Tan Teo Charitable Foundation: *Supplemental Funding for The Shamatha Project in support of graduate students.* \$30,000 PI: C. D. Saron.
- 2010-11 Hershey Family Foundation grant: *Supplemental Funding for The Shamatha Project.* \$75,000. PI: C. D. Saron.
- 2010-11 Grant Couch and Louise Pearson: *Supplemental Funding for The Shamatha Project.* \$10,000. PI: C. D. Saron.
- 2010-14 NIH 1 K01 MH087720-02 Electrophysiological Correlates of Inhibitory Control and Error Monitoring in Autism Spectrum Disorders. Consulting mentor: C. D. Saron; PI: Yukari Takarae. \$626,679
- 2009-11 NIH 1R01 MH089626-01 *Interdisciplinary investigation of potential biomarkers of autism subtypes.* Co-I: C. D. Saron; Co-PIs: David Amaral, Sally Rogers, Judy Vanderwater. \$1.78 million direct costs.
- 2009-12 *The Relationship Between Cognitive Control and Affect in an Intensive Vipassana Retreat.* Varela Grant from the Mind and Life Institute. \$15,000. Supervising sponsor: C. D. Saron. (Student awardees: Brandon King and Anthony Zanesco.)
- 2009-14 NIH 5T32MH073124-05 *Interdisciplinary Training for Autism Researchers.* Training program lecturer: C. D. Saron. (PI: Sally Rogers). \$213,613
- 2009-13 *The Shamatha Project: A Longitudinal, Randomized Waitlist Control Study of Cognitive, Emotional, and Neural Effects of Intensive Meditation Training.* Fetzer Institute grant #2191. Competing Renewal, \$450,000. PI: C. D. Saron.
- 2009-10 Hershey Family Foundation grant: *Supplemental Funding for The Shamatha Project.* \$75,000. PI: C. D. Saron.
- 2009 Baumann Institute: *Supplemental Funding for the Shamatha Project.* \$20,000, PI: C. D. Saron.

- 2009 Jewish Community Endowment Fund Disbursements/Carolyn Ferris Philanthropic Fund. \$5000 to support the Shamatha Project.
- 2008-09 *White Matter Integrity in Autism: Electrophysiology of Interhemispheric Communication and Structure-Function Correlations of the Corpus Callosum*. MIND Institute Pilot Grant Research Program. PI: C. D. Saron. \$25,000.
- 2008-09 Hershey Family Foundation grant: *Supplemental Funding for The Shamatha Project*. \$70,000. PI: C. D. Saron.
- 2008-09 Yoga Research and Education Foundation: *Supplemental Funding for the Shamatha Project*. \$28,000, PI: C. D. Saron.
- 2008 *The Shamatha Project: A Longitudinal, Randomized Waitlist Control Study of Cognitive, Emotional, and Neural Effects of Intensive Meditation Training*. Fetzer Institute grant #2191. Competing Renewal, \$185,034. PI: C. D. Saron.
- 2007-10 *Laboratory start-up, salary, and personnel package to support studies of autism spectrum disorders*, MIND Institute. PI: C. D. Saron. \$525,000.
- 2007-08 Hershey Family Foundation grant: *Supplemental Funding for The Shamatha Project*. \$195,000. PI: C. D. Saron.
- 2007 *The Shamatha Project: A Longitudinal, Randomized Waitlist Control Study of Cognitive, Emotional, and Neural Effects of Intensive Meditation Training*. Fetzer Institute grant #2191. Competing Supplement, \$353,616. PI: C. D. Saron.
- 2007 Mental Insight Foundation grant: *Supplemental Funding for The Shamatha Project*. \$15,000, PI: C. D. Saron.
- 2006-07 *Mirror Neuron System Activation in Autism During Observation of Object Actions and Body Movements: An Interdisciplinary, Multilevel Pilot Study*. Tupin Award, UCDCMC. \$50,000, Co-PI: C. D. Saron. (Sally Rogers, PI).
- 2006-07 Yoga Research and Education Foundation: *Supplemental Funding for the Shamatha Project*. \$45,000, PI: C. D. Saron.
- 2006-07 Tan Teo Charitable Foundation: *Supplemental Funding for The Shamatha Project*. \$60,000, PI: C. D. Saron.
- 2006-08 Santa Barbara Institute for Consciousness Studies. *Supplemental Funding for The Shamatha Project*. \$115,000, PI: C. D. Saron.
- 2006-08 *Supplemental Funding for The Shamatha Project*. Various donors (< \$5000 each). \$25,000, PI: C. D. Saron.

- 2006-07 *The Shamatha Project: A Longitudinal, Randomized Waitlist Control Study of Cognitive, Emotional, and Neural Effects of Intensive Meditation Training.* A Fetzer Institute invited research project, grant #2191. \$500,000, PI: C. D. Saron.
- 2005-10 *Electrophysiological indices of loudness dependency in ASD and typically developing toddlers.* A subproject of the Brain Structure and Function Group of the UC Davis MIND Institute Autism Phenome Project. \$310,000, PI: C. D. Saron; Co- PI: S. M. Rivera.
- 2006-09 *Brain Dynamics of Multisensory Integration in Autistic Spectrum Disorders.* Autism Speaks Foundation (formerly Cure Autism Now Foundation) Pilot Grant. \$120,000, PI: C. D. Saron; Co-PI: Susan Rivera.
- 2005-05 *Brain Dynamics of Simple Multisensory Integration in Autistic Spectrum Disorders.* Funded by an Investigator Initiated Award from the UC Davis MIND Institute. \$60,000, PI: C. D. Saron; Co-PI, Susan Rivera.
- 1992-94 *Training the Mind: A neuroscientific evaluation of exceptional mental abilities among Tibetan monks.* Funded by The Fetzer Institute, Kalamazoo, MI. \$120,000. PI: C. D. Saron; Co-PIs R. J. Davidson, F. J. Varela, B. A. Wallace, G. V. Simpson, and J. Cabezón.
- 1989-97 *Pre-Doctoral NRSA Training Grant in Neuroscience* awarded to Department of Neuroscience, Albert Einstein College of Medicine. \$16,000/year stipend. *Trainee.*

Journal Reviews

Acta Psychologica; Autism Research; Behavior Research and Therapy; Behavior and Brain Function; Biological Psychiatry; Biomed Central Neuroscience; Brain Research; Brain, Behavior, and Immunity; Brain Topography; Cerebral Cortex; Child Development; Clinical Neurophysiology; Clinical Psychology Reviews; Clinical Psychological Science; Cognitive and Affective Behavioral Neuroscience; Cognitive Brain Research; Cognitive Processing; Consciousness and Cognition; Emotion; European Journal of Neuroscience; Experimental Brain Research; Explore; Frontiers in Human Neuroscience; Human Brain Mapping (invited associate editor); International Journal of Psychophysiology; Journal of Cognitive Neuroscience; Journal of Neurophysiology; Journal of Neuroscience; Journal of Neuroscience Methods; Journal of Pediatric Psychiatry and Psychology; Journal of Personality and Social Psychology; Language and Linguistic Compass; Mindfulness; Neuroimage; Neuropsychologia; Neuroreport; Perceptual and Motor Skills; Perspectives in Psychological Science; PlosOne; PNAS; Psychological Bulletin; Psychological Research; Psychological Review; Psychological Science; Psychonomic Bulletin and Review, Psychophysiology

Grant Reviews

- 2019 National Science Foundation ad hoc reviewer (Cognitive Neuroscience Program)
- 2017 Social Science and Humanities Research Council of Canada. Ad hoc reviewer.
- 2016 NIH NCCIH (National Center for Complementary and Integrative Health) Special Emphasis Panel.
- 2014 Dharma Drum Buddhist College, New Taipei City, Taiwan. External reviewer.
- 2012, 14 Welcome Trust external reviewer 2012, 2014
- 2012, 14 John Templeton Foundation external reviewer
- 2012 Research Grants Council of Hong Kong, China, external reviewer
- 2011-12 NSF Cognitive Neuroscience Program (member of review panels)
- 2011 NIH NCCAM (National Center for Complementary and Alternative Medicine) Special Emphasis Panel
- 2010-11 NSF ad hoc reviewer (Cognitive Neuroscience Program)
- 2010 Reviewer for IRB, US Army Natick Soldier RD&E Center
- 2010 Fetzer Institute ad hoc reviewer
- 2009 NSF Cognitive Neuroscience Program (member of review panel)
- 2009-12 Mind and Life Institute Varela Award Reviewer
- 2009 NIH Challenge Grants – Internet Assisted Stage 1 Reviewer – BBBP study section
- 2009-10 Autism Speaks Foundation (member grant review panels)
- 2007 Cure Autism Now Foundation (ad hoc reviewer)
- 2006 Cure Autism Now Foundation (member grant review panel)
- 2003 NSF ad hoc reviewer (Cognitive Neuroscience Program)

Popular Media

Documentary Films

- 2017- *My Year of Living Mindfully* – a feature length documentary by Australian film maker and journalist Shannon Harvey – in production.
- 2017- *Upper Story* - A feature documentary about the collaboration between modern neuroscientists and Tibetan Buddhist scholars. Makarampa Productions. In Production. http://www.makarampa.com/at_full_mind_e.html
- 2017 *Mindfulness – a new therapeutic pathway?* A 52’ film by Benoit Laborde for ARTE, French/German TV network. <https://vimeo.com/250020144>
- 2013 *Raising Compassion* – a film by Tania Singer and Olafur Eliasson. Documentary of a meeting on compassion theory, research, and training held in 2011 at Studio Olafur Eliasson in Berlin. Features contributions by project PI Saron. 9/16/13. www.vimeo.com/70395311
- 2010 *Stillness in Thought: The Science of Meditation, Integrative Therapies Series –Program 2.* Series Mission: To develop a practical, significant, evidence-based bridge between Eastern and Western therapeutic approaches to health and well-being. Intended Audience: physicians and their patients. Information Television Network, Boca Raton, FL. https://smile.amazon.com/dp/B00DKAH43I?tag=amz-mkt-chr-us-20&ascsubtag=1ba00-01000-s1060-mac00-other-smile-us000-pcomp-feature-scomp-wm-5&ref=aa_scomp
- 2009 *Unlocking Autism*, a film by Monica Lange. Broadcast on DiscoveryHealth, Premiere April 6. http://media.mindinstitute.org/video/specials/UnlockingAutism_web.mov
- 2007 *Monks, In the Lab*, a film by Delphine Morel broadcast on Association Relative à la Télévision Européenne, January. <https://vimeo.com/52882347>

Radio and Podcasts

- 2017 *Meditation: Does it live up to the hype?* Science Vs., Gimlet Media <https://gimletmedia.com/episode/meditation/> May 25.
- 2015 *Shrinkwrap Radio: #454 – Scientific Research on The Effects of Meditation with Clifford Saron PhD.* <http://shrinkrapradio.com/454-scientific-research-on-the-effects-of-meditation-with-clifford-saron-phd/>
- 2013 *Local Motion.* public affairs program on KVNF, Paonia, CO. Interview with news director in conjunction with the public event on the science of compassion in Telluride, CO. <http://www.kvnf.org/post/local-motion-dr-clifford-saron>

- 2012 *Life Matters*. Australian Broadcast Company. Interview with presenter Natasha Mitchell as part of the Meditation Challenge series.
<http://www.abc.net.au/radionational/programs/lifematters/meditation-challenge-week-53a-what-the-science-says/4394692>
- 2010 Interview with Ted Meissner of The Secular Buddhist Association.
<http://secularbuddhism.org/2010/09/03/episode-28-cliff-saron-neuro-dharma/>

TEDx talks

- 2014 Saron, C. D. *Creative empathy -- What children on the Autism can teach us*. TEDxBayArea <https://www.youtube.com/watch?v=TKEN2d517B8>
- 2012 Saron, C. D. *The Majesty of the Present*. TEDxUCDavis
https://www.youtube.com/watch?v=d88Q-15W_AI&feature=kp

Web Video Interviews

- 2013 Short background to my involvement in this work:
<http://www.whatmeditationreallyis.com/index.php/lang-en/home-blog/item/1599-clifford-saron-phd-practicing-meditation-and-doing-scientific-research.html>
- 2013 Relations between Buddhism and Science:
<http://blogs.mcgill.ca/tcpsych/2014/02/03/clifford-saron-on-the-shamatha-project/>

Book Mentions

- Kusinkas, Jaime. (2018). *The Mindful Elite: Mobilizing from the Inside Out*. Oxford University Press: New York, NY.
- Komjathy, Louis. (2018). *Introducing Contemplative Studies*. Wiley Blackwell: Hoboken, NJ.
- Jackson, Maggie. (2018). *Distracted: The Erosion of Attention and the Coming Dark Age*. 2nd Edition. Prometheus Books: New York, NY.
- Blackburn, Elizabeth & Epel, Elissa. (2017). *The Telomere Effect*. Grand Central Publishing – The Hachette Book Group: New York, NY.
- Goleman, D. & Davidson, R. J. (2017). *Altered Traits: Science Reveals How Meditation Changes Your Mind, Brain, and Body*. Avery: New York, NY.
- Maira, S. (2017). Clifford Saron (chapter) In: *The Promise of Beauty and Why it Matters*. Harper Collins India. Pp. 236-250.

- Kingsland, J. & Crossley. (2016). *Siddhartha's Brain: Unlocking the Ancient Science of Enlightenment*. William Morrow/Harper Collins: New York, NY.
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