



Sylvia Kreibig

Senior Research Scholar

Psychology

 Curriculum Vitae available Online

Bio

ACADEMIC APPOINTMENTS

- Sr Research Scholar, Psychology

HONORS AND AWARDS

- Postdoctoral fellowship for prospective researchers, Swiss National Science Foundation (2010-2012)
- NIDCR Building Bridges Poster Award, National Institute of Dental and Craniofacial Research (2014)
- Postdoctoral fellowship for advanced researchers, Swiss National Science Foundation (2012-2015)

PROFESSIONAL EDUCATION

- Postdoctoral Fellow, Stanford University , Psychology (2015)
- Ph.D., University of Geneva, Switzerland , Psychology (2009)
- Diploma (equiv. Master), University of Kiel, Germany , Psychology (2006)

LINKS

- Visit my website for up-to-date information.: <http://stanford.edu/~skreibig>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My major research interests are on the elicitation, differentiation, and response patterning of emotion. With this, I address the following interlinked questions:

1. What are the cognitive-motivational processes that underlie the elicitation and differentiation of emotion and that drive the response patterning in the autonomic and somatic nervous system?
2. What are the specific effects of different emotional processes assumed to influence bodily reactions for preparation of adaptive behavior and to produce expressive signals for social communication?

I conceptualize emotion as a multi-component process with effects on cognition, subjective feeling, physiology, motor expression, and action tendencies. To assess emotional processes, I use both self-report measures of emotional feelings as well as psychophysiological variables in my research.

Publications

PUBLICATIONS

- **The Role of Emotion Regulation, Affect, and Sleep in Individuals With Sleep Bruxism and Those Without: Protocol for a Remote Longitudinal Observational Study.** *JMIR research protocols*
Kreibig, S. D., Ten Brink, M., Mehta, A., Talmon, A., Zhang, J. X., Brown, A. S., Lucas-Griffin, S. S., Axelrod, A. K., Manber, R., Lavigne, G. J., Gross, J. J.

2023; 12: e41719

- **TEMPORAL DYNAMICS OF EMOTION AND EMOTION REGULATION**

Kreibig, S., Gross, J.
WILEY.2023: S37

- **Quantitative versus qualitative emotion regulation goals: Differential effects on emotional responses.** *Psychophysiology*

Kreibig, S. D., Brown, A. S., Gross, J. J.
2023: e14387

- **The temporal dynamics of dissociation: protocol for an ecological momentary assessment and laboratory study in a transdiagnostic sample.** *BMC psychology*

Heckerens, J. B., Gross, J. J., Kreibig, S. D., Wingenfeld, K., Roepke, S.
2023; 11 (1): 178

- **Daytime affect and sleep EEG activity: A data-driven exploration.** *Journal of sleep research*

Zhang, J. X., Ten Brink, M., Yan, Y., Goldstein-Piekarski, A., Krause, A. J., Manber, R., Kreibig, S., Gross, J. J.
2023: e13916

- **Mixed Emotions to Social Situations: An fMRI Investigation.** *NeuroImage*

Murray, R. J., Kreibig, S. D., Pehrs, C., Vuilleumier, P., Gross, J. J., Samson, A. C.
2023: 119973

- **Pre-sleep affect predicts subsequent REM frontal theta in nonlinear fashion.** *Cognitive, affective & behavioral neuroscience*

Ten Brink, M., Yan, Y., Zhang, J., Goldstein-Piekarski, A., Krause, A., Kreibig, S., Manber, R., Gross, J.
2023

- **EXPERIENTIAL, EXPRESSIVE, AND PHYSIOLOGICAL EFFECTS OF POSITIVE AND NEGATIVE EMOTION REGULATION GOALS WHILE REAPPRAISING DISGUSTING STIMULI**

Bruckhaus, A., Kreibig, S., Samson, A., Gross, J.
WILEY.2022: S139

- **Effects of Two Mindfulness Based Interventions on the Distinct Phases of the Stress Response Across Different Physiological Systems.** *Biological psychology*

Gamaionova, L., Kreibig, S. D., Dan-Glauser, E., Pellerin, N., Brandt, P. Y., Kliegel, M.
2022: 108384

- **PRE-SLEEP AROUSAL PREDICTS SUBSEQUENT NIGHT'S REM FRONTAL THETA POWER IN A NATURALISTIC CONTEXT**

ten Brink, M., Yan, Y., Zhang, J., Manber, R., Kreibig, S., Gross, J.
OXFORD UNIV PRESS INC.2022: A117

- **Experiential, expressive, and physiological effects of positive and negative emotion regulation goals while reappraising amusing stimuli.** *International journal of psychophysiology : official journal of the International Organization of Psychophysiology*

Kreibig, S. D., Samson, A. C., Gross, J. J.
2022

- **Autonomic Nervous System Activity During Positive Emotions: A Meta-Analytic Review()** *EMOTION REVIEW*

Behnke, M., Kreibig, S. D., Kaczmarek, L. D., Assink, M., Gross, J. J.
2022

- **PHYSIOLOGICAL INDICATORS OF EMOTION DYSREGULATION IN SELF-REPORTED SLEEP BRUXISM**

Kreibig, S., Zhang, J., ten Brink, M., Gross, J.
WILEY.2021: S76

- **Individual Differences in Perceived Sleep Quality Do Not Predict Negative Affect Reactivity or Regulation.** *Biological psychology*

Zhang, J., Ten Brink, M., Kreibig, S. D., Gilam, G., Goldin, P. R., Manber, R., Mackey, S., Gross, J. J.
2021: 108149

- **Attend or defend? Sex differences in behavioral, autonomic, and respiratory response patterns to emotion-eliciting films** *BIOLOGICAL PSYCHOLOGY*

Wilhelm, F. H., Rattel, J. A., Wegerer, M., Liedlgruber, M., Schweighofer, S., Kreibig, S. D., Kolodyazhniy, V., Blechert, J.
2017; 130: 30–40

- **Computational reproducibility of "Goal relevance and goal conduciveness appraisals lead to differential autonomic reactivity in emotional responding to performance feedback" (Kreibig, Gendolla, & Scherer, 2012): A guide and new evidence.** *International journal of psychophysiology : official journal of the International Organization of Psychophysiology*
Kreibig, S. D.
2017; 119: 93-107
- **Understanding mixed emotions: paradigms and measures** *CURRENT OPINION IN BEHAVIORAL SCIENCES*
Kreibig, S. D., Gross, J. J.
2017; 15: 62-71
- **REAPPRAISAL WITH A TWIST: EXPERIENTIAL, BEHAVIORAL, AND PHYSIOLOGICAL EFFECTS OF EMOTIONAL COUNTER-REGULATION**
Kreibig, S. D., Samson, A. C., Gross, J. J.
WILEY-BLACKWELL.2016: S73
- **Eliciting positive, negative and mixed emotional states: A film library for affective scientists** *COGNITION & EMOTION*
Samson, A. C., Kreibig, S. D., Soderstrom, B., Wade, A. A., Gross, J. J.
2016; 30 (5): 827-856
- **The psychophysiology of mixed emotional states: Internal and external replicability analysis of a direct replication study** *PSYCHOPHYSIOLOGY*
Kreibig, S. D., Samson, A. C., Gross, J. J.
2015; 52 (7): 873-886
- **Social Integration and Mortality in Patients With Coronary Heart Disease: Findings From the Heart and Soul Study** *PSYCHOSOMATIC MEDICINE*
Kreibig, S. D., Whooley, M. A., Gross, J. J.
2014; 76 (8): 659-668
- **ADDITIONAL EVIDENCE FOR A DISTINCT PHYSIOLOGICAL RESPONSE OF MIXED EMOTIONAL STATES**
Kreibig, S. D., Samson, A. C., Gross, J. J.
WILEY-BLACKWELL.2014: S69
- **PSYCHOPHYSIOLOGICAL QUANTIFICATION OF EMOTION REGULATION FLEXIBILITY: EXPERIENTIAL, EXPRESSIVE, AND PHYSIOLOGICAL EFFECTS OF REGULATING PURE AND MIXED EMOTIONS**
Kreibig, S. D., Samson, A. C., Gross, J. J.
WILEY-BLACKWELL.2014: S69
- **AUTONOMIC NERVOUS SYSTEM MEASUREMENT OF EMOTION IN EDUCATION AND ACHIEVEMENT SETTINGS** *INTERNATIONAL HANDBOOK OF EMOTIONS IN EDUCATION*
Kreibig, S. D., Gendolla, G. E., Pekrun, R., LinnenbrinkGarcia, L.
2014: 625-642
- **The psychophysiology of mixed emotional states.** *Psychophysiology*
Kreibig, S. D., Samson, A. C., Gross, J. J.
2013; 50 (8): 799-811
- **Goal relevance and goal conduciveness appraisals lead to differential autonomic reactivity in emotional responding to performance feedback** *BIOLOGICAL PSYCHOLOGY*
Kreibig, S. D., Gendolla, G. H., Scherer, K. R.
2012; 91 (3): 365-375
- **The Role of Visual Complexity in Affective Reactions to Webpages: Subjective, Eye Movement, and Cardiovascular Responses** *IEEE TRANSACTIONS ON AFFECTIVE COMPUTING*
Tuch, A. N., Kreibig, S. D., Roth, S. P., Bargas-Avila, J. A., Opwis, K., Wilhelm, F. H.
2011; 2 (4): 230-236
- **An affective computing approach to physiological emotion specificity: Toward subject-independent and stimulus-independent classification of film-induced emotions** *PSYCHOPHYSIOLOGY*
Kolodyazhnyi, V., Kreibig, S. D., Gross, J. J., Roth, W. T., Wilhelm, F. H.
2011; 48 (7): 908-922
- **Affective modulation of the acoustic startle: Does sadness engage the defensive system?** *BIOLOGICAL PSYCHOLOGY*

Kreibig, S. D., Wilhelm, F. H., Roth, W. T., Gross, J. J.
2011; 87 (1): 161-163

- **Autonomic nervous system activity in emotion: A review** *BIOLOGICAL PSYCHOLOGY*

Kreibig, S. D.
2010; 84 (3): 394-421

- **Psychophysiological effects of emotional responding to goal attainment** *BIOLOGICAL PSYCHOLOGY*

Kreibig, S. D., Gendolla, G. H., Scherer, K. R.
2010; 84 (3): 474-487

- **The biopsychology of emotion: Current theoretical, empirical, and methodological perspectives** *BIOLOGICAL PSYCHOLOGY*

Friedman, B. H., Kreibig, S. D.
2010; 84 (3): 381-382

- **Cardiovascular, electrodermal, and respiratory response patterns to fear- and sadness-inducing films** *12th Annual Meeting of the Society-for-Psychophysiological-Research*

Kreibig, S. D., Wilhelm, F. H., Roth, W. T., Gross, J. J.
WILEY-BLACKWELL.2007: 787-806