

Stanford

Walton T. Roth

Professor of Psychiatry & Behavioral Sciences, Emeritus

Psychiatry and Behavioral Sciences

Bio

ACADEMIC APPOINTMENTS

- Emeritus Faculty, Acad Council, Psychiatry and Behavioral Sciences

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Laboratory and ambulatory recording of physiological, responses to stressors in anxious and phobic patients.

CLINICAL TRIALS

- Breathing Regulation Training for Individuals With Panic Disorder, Not Recruiting
- Respiratory Dysregulation and Breathing Training in Anxious Outpatients, Not Recruiting

Publications

PUBLICATIONS

- **Habituation or Normalization? Experiential and Respiratory Recovery From Voluntary Hyperventilation in Treated Versus Untreated Patients With Panic Disorder.** *Behavior therapy*
Tunnell, N. C., Ritz, T. n., Wilhelm, F. H., Roth, W. T., Meuret, A. E.
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- **MMR Vaccination: A Potential Strategy to Reduce Severity and Mortality of COVID-19 Illness.** *The American journal of medicine*
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2020
- **Supplementing sleep actigraphy with button pressing while awake** *PLOS ONE*
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- **Supplementing sleep actigraphy with button pressing while awake.** *PloS one*
Keller, M. n., Roth, W. T., Petrowski, K. n.
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- **Effects of psychosocial and physical stress on lactate and anxiety levels.** *Stress (Amsterdam, Netherlands)*
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- **Effects of psychosocial and physical stress on lactate and anxiety levels** *STRESS-THE INTERNATIONAL JOURNAL ON THE BIOLOGY OF STRESS*
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 - **Motivation to Participate in PTSD Research.** *JAMA*
Roth, W. T., Hofmann, S. G.
2018; 319 (23): 2439-40
 - **Effects of therapeutic relationship, expectancy, and credibility in breathing therapies for anxiety** *BULLETIN OF THE MENNINGER CLINIC*
Kim, S., Roth, W. T., Wollburg, E.
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 - **Autonomic Arousal During Actigraphically Estimated Waking and Sleep in Male Veterans With PTSD** *JOURNAL OF TRAUMATIC STRESS*
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 - **Psychiatry on Trial The Norway 2011 Massacre** *JOURNAL OF NERVOUS AND MENTAL DISEASE*
Roth, W. T., Dager, S. R.
2014; 202 (3): 181-185
 - **Experiential, autonomic, and respiratory correlates of CO2 reactivity in individuals with high and low anxiety sensitivity** *PSYCHIATRY RESEARCH*
Blechert, J., Wilhelm, F. H., Meuret, A. E., Wilhelm, E. M., Roth, W. T.
2013; 209 (3): 566-573
 - **Worried sleep: 24-h monitoring in high and low worriers** *BIOLOGICAL PSYCHOLOGY*
Weise, S., Ong, J., Tesler, N. A., Kim, S., Roth, W. T.
2013; 94 (1): 61-70
 - **Airway constriction in asthma during sustained emotional stimulation with films** *BIOLOGICAL PSYCHOLOGY*
Ritz, T., Rosenfield, D., Wilhelm, F. H., Roth, W. T.
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 - **Opposing Breathing Therapies for Panic Disorder: A Randomized Controlled Trial of Lowering vs Raising End-Tidal PCO2** *JOURNAL OF CLINICAL PSYCHIATRY*
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 - **Separation anxiety disorder in children: disorder-specific responses to experimental separation from the mother** *JOURNAL OF CHILD PSYCHOLOGY AND PSYCHIATRY*
Kossowsky, J., Wilhelm, F. H., Roth, W. T., Schneider, S.
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 - **SPR Award, 2010. For distinguished contributions to psychophysiology: Judith M. Ford.** *Psychophysiology*
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 - **An affective computing approach to physiological emotion specificity: Toward subject-independent and stimulus-independent classification of film-induced emotions** *PSYCHOPHYSIOLOGY*
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 - **Effects of Breathing Training on Voluntary Hypo- and Hyperventilation in Patients with Panic Disorder and Episodic Anxiety** *APPLIED PSYCHOPHYSIOLOGY AND BIOFEEDBACK*
Wollburg, E., Roth, W. T., Kim, S.

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- **Methodological considerations in ambulatory skin conductance monitoring** *INTERNATIONAL JOURNAL OF PSYCHOPHYSIOLOGY*
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- **Cardio-respiratory instabilities precede the onset of naturally occurring panic attacks** *17th Annual Meeting of the International-Society-for-the-Advancement-of-Respiratory-Psychophysiology*
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- **Airway response to emotion- and disease-specific films in asthma, blood phobia, and health** *PSYCHOPHYSIOLOGY*
Ritz, T., Wilhelm, F. H., Meuret, A. E., Gerlach, A. L., Roth, W. T.
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- **Twenty-four hour skin conductance in panic disorder** *JOURNAL OF PSYCHIATRIC RESEARCH*
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- **Temporal stability and coherence of anxiety, dyspnea, and physiological variables in panic disorder** *BIOLOGICAL PSYCHOLOGY*
Burkhardt, S. C., Wilhelm, F. H., Meuret, A. E., Blechert, J., Roth, W. T.
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- **Respiratory, autonomic, and experiential responses to repeated inhalations of 20% CO2 enriched air in panic disorder, social phobia, and healthy controls** *BIOLOGICAL PSYCHOLOGY*
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