

## CV: Dr. Julian Koenig

Academic Titles: *Doctor Scientiarum Humanarum* (Dr. sc. hum.), Master of Arts, Diploma in Music Therapy  
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### Current Positions

#### GERMANY

**Deputy Head of Research (Neurobiology)**, Section for Translational Psychobiology in Child and Adolescent Psychiatry, Department of Child and Adolescents Psychiatry, Heidelberg University, Heidelberg, Germany

#### SWITZERLAND

**Deputy Head of Research (Neurobiology)**, University Hospital of Child and Adolescent Psychiatry and Psychotherapy, University of Bern, Bern Switzerland

### Address for Correspondence

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### Positions and Research Experience

Time	Institution	Department	Position
10/2017 – present	University of Bern, Bern, Switzerland	University Hospital of Child and Adolescent Psychiatry and Psychotherapy	Deputy Head of Research
09/2016 – present	Heidelberg University, Heidelberg, Germany	Section for Translational Psychobiology in Child and Adolescent Psychiatry	Deputy Head of Research
10/2015 – 09/2016	Heidelberg University, Heidelberg, Germany	Department of Child and Adolescent Psychiatry	Post-Doc
05/2015 – 10/2015	Heidelberg University, Heidelberg, Germany	Department of Child and Adolescent Psychiatry	Guest Scientist
03/2014 – 05/2015	The Ohio State University, Columbus, OH, USA	Department of Psychology, Lab: Emotions and Quantified Psychophysiology	Post-Doc
07/2010 – 12/2015	SRH University Heidelberg, Heidelberg, Heidelberg, Germany	Lab for Pain Research (LPR) and German Institute for Applied Therapy Research	CEO
04/2010 – 12/2013	SRH University Heidelberg, Heidelberg, Heidelberg, Germany	School of Therapeutic Sciences	Scientific Employee
09/2008 – 04/2010	SRH University Heidelberg, Heidelberg, Heidelberg, Germany	German Center for Music Therapy Research	Research Assistant

### Editorial Positions

Time	Journal	Publisher	Position
05/2018 - present	Frontiers in Neuroscience, Physiology and Neurology – Autonomic Neuroscience	Frontiers	Review Editor
06/2016 - present	Scientific Reports	Nature Publishing Group	Editor
07/2015 – present	Journal of Psychophysiology	Hogrefe	Associate Editor
10/2014 – present	Frontiers in Psychology - Emotion Science	Frontiers	Review Editor
02/2014 – 12/2015	Music and Medicine	International Association for Music and Medicine (IAMM)	Production Editor

**Education**

Time	Institution	Studies	Degree	Grade
04/2010 – 12/2013	Heidelberg University, Medical Faculty, Heidelberg, Germany	Major: <i>Psychiatry</i> , Minor: <i>History of Medicine &amp; Medical Psychology</i>	Dr. sc. hum.	magna cum laude, " <i>with great honor</i> "
10/2008 – 09/2009	SRH University Heidelberg, School of Therapeutic Sciences Heidelberg, Germany	Music Therapy	Master of Arts	Grade: 1.3 (Range: 1 (best) to 6): A
10/2004 – 09/2008	SRH University Heidelberg, School of Therapeutic Sciences Heidelberg, Germany	Music Therapy	Diploma	Grade: 1.6 (Range: 1 (best) to 6): A

**Scholarships/Fellowships**

Time	Scholarship / Fellowship	Granting Institution
03/2016 – <i>present</i>	Postdoctoral Scholarship	Daimler an Benz Foundation, Ladenburg, Germany
10/2016 – 10/2017	ZPM Methods Peer Group, Leader	Centre for Psychosocial Medicine, Heidelberg University, Heidelberg, Germany
10/2015 – 10/2017	Physician-Scientist Fellowship	Heidelberg University, Medical Faculty, Heidelberg, Germany
06/2015 (1 week)	European Pain School 2015	University of Siena, Siena, Italy
04/2015 – 05/2015	Visiting Scholar, Department of Child and Adolescent Psychiatry	Heidelberg University, Heidelberg, Germany
03/2015 (1 week)	Marsilius Spring Academy 2015	Heidelberg University, Heidelberg, Germany
09/2008 – 04/2010	Master Fellow Scholarship	SRH University Heidelberg, Heidelberg, Germany

**Awards**

Time	Prize / Award	Granting Institution	Amount
06/2016	Thrasher Early Career Award	Thrasher Research Fund	24.708\$
05/2016	Early Career Investigator - International Travel Award	Society of Biological Psychiatry	2.000\$
09/2015	GlaxoSmithKline Travel Scholarship	GlaxoSmithKline GmbH & Co. KG	800€
03/2015	Outstanding Research Mentor Award 2015	The Ohio State University	nonmonetary
03/2015	Basic Biomedical Research Travel Grant	Boehringer Ingelheim Fonds	1.100€
03/2014	Adolf-Ernst-Meyer Award 2014 for Research in Psychosomatic Medicine and Psychotherapy	Deutsche Kollegium für Psychosomatische Medizin (DKPM)	1.000€
02/2015	Open Access Award	The Ohio State University	1.000\$
02/2014	"Rising Star" Award 2014, Young Investigator Colloquium	American Psychosomatic Society	500\$
10/2013	Marianne Ringler Award for Research in Psychotherapy (3 <sup>rd</sup> place)	Marianne Ringler Association	nonmonetary
10/2011	Carlsson-Wedemeyer-Award 2011 for Applied Research in Depression	German Society for Depression	20.000€
10/2010	Johannes Theodor Eschen Award (nominated)	German Society for Music Therapy	nonmonetary

### Current Grants and Research Funding (Active Funding)

Agency	Project	Role	Funding	Runtime
Dietmar Hopp Stiftung	Neurobiogenetic Assessment of Adolescents with risk-taking and self-injurious behavior (Add-On)	Co-PI	149.714 €	03/18 – 02/20
Federal Ministry of Education and Research (BMBF)	<b>Pro-HEAD Consortium</b> CPa – Central Project A (Heidelberg) SP1: Promoting Help-Seeking by E-Technology in Adolescents with Mental Health Problems	Co-PI Co-PI	3,472,709.00€ 654,515.00 € 179,392.80 €	10/17 – 09/21
Federal Ministry of Education and Research (BMBF)	<b>STAR Consortium</b> SP2: Online Intervention for Adolescent Nonsuicidal Self-Injury - A randomized controlled trial	Co-PI	3,292,993.00€ 809,946.00 €	11/17 – 10/21
Thrasher Research Fund	Non-Invasive Vagus Stimulation for Resistant Depression in Youth – An Experimental Proof-of-Concept	PI	24.620\$	08/16 – 07/18
Daimler and Benz Foundation	Acute Effects of Transcutaneous Vagus Nerve Stimulation on Prefrontal Cortex and Vagal Activity during Emotion Processing in Adolescents with Major Depression	PI	40.000€	03/16 – 02/18
Dietmar Hopp Stiftung	Neurobiogenetic Assessment of Adolescents with risk-taking and self-injurious behavior	Co-PI	114.235€	03/16 – 02/18

### Previous Grants and Research Funding (Closed Funding)

Agency	Project	Role	Funding	Runtime
Dres. Majic/Majic-Schlez-Stiftung	Neurobiological Correlates of Emotion Processing under Stress in Adolescent Borderline Personality Disorder	PI	8.970€	11/15 – 06/17
Private donation	Basic Research Funding, Lab for Pain Research	Co-PI	60.000€	04/14 – 04/17
Freunde der SRH Hochschule Heidelberg	Re-Construction and Evaluation of the Cold Pressor Task (CPT) as a measure of pain threshold and pain tolerance	PI	3.000€	03/13 – 03/14
Else-Kröner-Fresenius-Foundation	Music Therapy for Adolescents with Primary Headache Disorders	trial mgmt	103.000€	04/10 – 04/12
Landesstiftung Baden-Württemberg	Pilot Study on Music Therapy for Adolescents with Primary Headache Disorders	staff	25.000 €	04/09 – 04/10
SRH Förderstiftung Heidelberg	Music Therapy for Adolescents with Primary Headache Disorders	trial mgmt	40.000€	04/10 – 04/12
SRH Förderstiftung Heidelberg	Evaluation of the Psychophysiological Effects of Computer Gaming	staff	320.000€	07/08 – 07/10

### Scientific Memberships

Society	Runtime
Society for Psychophysiological Research (SPR)	02/2016 – present
Society of Biological Psychiatry (SOBP)	08/2016 – present
Society for a Science of Clinical Psychology (SSCP)	10/2015 – present
American Psychological Association (APA) - Division of Psychotherapy	08/2013 – 12/2017
American Psychosomatic Society (APS)	10/2012 – 12/2017
German Society for Psychoanalysis and Music (DGPM e.V.)	05/2009 – 06/2015
German Society for Psychophysiology and its Application (DGPA e.V.)	03/2008 – 03/2010
German Society for Psychosomatic Medicine and Psychotherapy (DGPM e.V.)	04/2011 – 12/2015
International Association for Music & Medicine (IAMM) (honorary member)	01/2014 – 01/2016
International Association for the Study of Pain (IASP)	04/2014 – 04/2016
Musicological Society of Australia (MSA)	10/2011 – 10/2012
American Pain Society (APS)	04/2014 – 03/2016

<b>Reviewer Duty</b>	
<b>Journals</b>	<b>Publisher</b>
American Journal of Human Biology	Wiley
Annals of Behavioral Medicine	
Biological Psychiatry	Elsevier
Child Development	Wiley
Child and Adolescent Psychiatry and Mental Health	BioMed Central
Cognitive, Affective, and Behavioral Neuroscience	Springer
Emotion	American Psychological Association
Frontiers in Psychology	Frontiers
Frontiers in Physiology	Frontiers
Frontiers in Public Health,	Frontiers
Health Psychology	American Psychological Association
International Journal of Psychophysiology	
JAMA Psychiatry	JAMA
Journal of Abnormal Child Psychology	Springer
Journal of Affective Disorders	Elsevier
Journal of Pain and Symptom Management	Elsevier
Journal of Personality Disorders	Guilford Press
Journal of Psychophysiology	Hogrefe Publishing
The Journal of Physiology	Wiley
Neuroscience & Biobehavioral Reviews	Elsevier
PAIN	Elsevier/Wolters Kluwer
Pain Practice	Wiley
PLoS One	PLoS
Progress in Neuro-Psychopharmacology & Biological Psychiatry	Elsevier
Praxis der Kinderpsychologie und Kinderpsychiatrie	Vandenhoeck und Rubrecht:
Psychiatry Research	Elsevier
Psychological Medicine	Cambridge University Press
Psychophysiology	Wiley
Scientific Reports	Nature Publishing Group
<b>Funding Agencies</b>	<b>Location</b>
Swiss National Science Foundation (SNF)	Bern, Switzerland

LINK: [verified PUBLONS List of Reviews](#)

**Specific skills and expertise:** STATA, MATLAB, GraphPad, Kubios, SPSS, G\*Power, RevMan, Statistica

## Peer-Reviewed Journal Publications

**In Press / Ahead of Print** | 30.433 Impact Factor, \*equally contributing first/senior author

1. Tracy LM, **Koenig J**, Georgiou-Karistianis N, Gibson SJ, Giummarra MJ. Heart rate variability is associated with thermal heat pain threshold in males, but not females. *International Journal of Psychophysiology*; DOI: 10.1016/j.ijpsycho.2018.02.017 2.582 Impact Factor
2. Guétin S, Brun L, Mériadec C, Camus E, Deniaud M, Thayer JF, **Koenig J**, Williams DP. A Smartphone-Based Music Intervention to Reduce Pain and Anxiety in Women before or during Labor. *European Journal of Integrative Medicine*, 0.769 Impact Factor
3. Williams DP, Tracy LM, Gerado GM, Rahman T, Spangler DP, **Koenig J**, Thayer JF. Sex Moderates the Relationship between Resting Heart Rate Variability and Self-Reported Difficulties in Emotion Regulation. *Emotion*, 3.251 Impact Factor
4. Petersen KK, Andersen HH, Tsukamoto M, Tracy LM, **Koenig J**, Nielsen LA. Parasympathomimetic effects of propranolol increases heart rate variability but does not influence experimental pain sensitivity or conditioned pain modulation in healthy males – a randomized placebo-controlled crossover study. *Scandinavian Journal of Pain*, 0.498 Impact Factor
5. **Koenig J**, Brunner R, Parzer P, Resch F, Kaess M. The Physiological Orienting Response in Female Adolescents with Borderline Personality Disorder. *Progress in Neuropsychopharmacology & Biological Psychiatry*, 4.187 Impact Factor
6. Jarczok M, Aguilar-Raab C, **Koenig J**, Kaess M, Borninger JC, Nelson RJ, Hall M, Ditzen B, Thayer JF, Fischer JE. The Heart's Rhythm 'n' Blues: Sex Differences in Circadian Variation Patterns of Vagal Activity vary by Depressive Symptoms in Predominantly Healthy Employees. *Chronobiology International*; 3.343 Impact Factor
7. Krause E, Benke C, **Koenig J**, Thayer JF, Hamm AO, Pané-Farré CA. Dynamics of defensive response mobilization to approaching external vs. interoceptive threat. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, in press, DOI: 10.1016/j.bpsc.2017.12.002 0.0 Impact Factor
8. Jarczok MN, **Koenig J**, Shively CA, Thayer JF. Behavioral Depression is associated to increased vagally mediated HRV measures in adult female cynomolgus monkeys (*Macaca fascicularis*). *International Journal of Psychophysiology*, in press, DOI: 10.1016/j.ijpsycho.2017.11.004. 2.582 Impact Factor
9. Lincoln TM, Jarczok MN, Ellis RJ, Bach C, Hillecke TK, Thayer JF, **Koenig J**. Heart Rate Variability and Sensitivity to Experimentally Induced Pain – A Replication. *Pain Practice*, in press, 2.495 Impact Factor
10. Buchhorn R, **Koenig J**, Jarczok MN, Eichholz H, Willaschek C, Thayer JF, Kaess M. A Case-Series on the Potential Effect of Omega-3-Fatty Acid Supplementation on 24-Hour Heart Rate Variability and its Circadian Variation in Children with Attention Deficit (Hyperactivity) Disorder. *ADHD Attention Deficit and Hyperactivity Disorders*, in press; DOI: 10.1007/s12402-017-0240-y; 0.751 Impact Factor
11. Williams DP, Joseph N, Hill LBK, Sollers JJ III, Vasey MM, Way BM, **Koenig J**, Thayer JF. Stereotype Threat, Trait Perseveration, and Vagal Activity: Evidence for Mechanisms Underpinning Health Disparities in Black Americans, *Ethnicity & Health*; DOI: 10.1080/13557858.2017.1378803; 2.055 Impact Factor
12. van der Ploeg MM, **Koenig J**, Tarvainen MP, Thayer JF. Erratum: Correction to: From Individual Output to Pooled Data: A Post-Processing Macro for Kubios HRV 2.2. *Journal of Psychophysiology*; 1.167 Impact Factor
13. Williams DP, Pandya KD, Hill LBK, Kemp AH, Way BM, Thayer JF, **Koenig J**. Rumination Moderates the Association Between Resting High-Frequency Heart Rate Variability and Perceived Ethnic Discrimination. *Journal of Psychophysiology*, DOI: 10.1027/0269-8803/a000201; 1.167 Impact Factor
14. Williams DP, Wiley C, Rahman T, Barton A, Kittaneh A, Gerardo G, Hill LBK, **Koenig J**, Spangler D, Thayer JF. Re-examining the relationship between low-to-high-frequency ratio and cardiac autonomic balance and regulation: A focus on systolic time intervals. *Biomed Sci Instrum*. In press; 0.0 Impact Factor
15. van der Ploeg MM, **Koenig J**, Tarvainen MP, Thayer JF. From Individual Output to Pooled Data: A Post-Processing Macro for Kubios HRV 2.2. *Journal of Psychophysiology*; DOI: 10.1027/0269-8803/a000196; 1.167 Impact Factor
16. Williams DP, Jarczok MN, Ellis RJ, Thayer JF, Hillecke TK, **Koenig J**. A Half-Year Follow-Up on the Test-Retest Stability of the Cold Pressor Task as a Measure of Pain Threshold and Tolerance. *Pain Practice*, in press; 2.61 Impact Factor

## 2018

Impact by year: 21.175 Impact Factor; Citations in 2018 (up to March): 90

17. **Koenig J**, Parzer P, Reichl C, Ando A, Thayer JF, Brunner R, Kaess M. Cortical Thickness, Resting State Heart Rate and Heart Rate Variability in Female Adolescents. *Psychophysiology*, 55(5):e13043, DOI: 10.1111/psyp.13043; 3.07 Impact Factor
18. Joo Yoo H, Thayer JF, Greening S, Lee TH, Ponzio A, Min J, Sakaki M, Nga L, Mather M\*, **Koenig J\***. Brain Structural Concomitants of Resting State Heart Rate Variability in the Young and Old – Evidence from Two Independent Samples. *Brain Structure and Function* 2018; 223:727-737; DOI: 10.1007/s00429-017-1519-7; 4.698 Impact Factor
19. Carnevalia L, **Koenig J**, Sgoifo A, Ottaviani C. Autonomic and Brain Morphological Predictors of Stress Resilience. *Frontiers in Neuroscience – Autonomic Neuroscience*. DOI: 10.3389/fnins.2018.00228 3.566 Impact Factor
20. **Koenig J**, Weise S, Rinnewitz L, Parzer P, Resch F, Kaess M. Longitudinal Covariance of Resting State Cardiac Function and Borderline Personality Disorder Symptoms in Adolescent Non-Suicidal Self-Injury. *The World Journal of Biological Psychiatry* 2018; 19(2):152-157; DOI: 10.1080/15622975.2017.1342046; 4.159 Impact Factor
21. Peschel SKV, Tylka TL, Williams DP, Kaess M, Thayer JF, **Koenig J**. Is Intuitive Eating Related to Resting State Vagal Activity? *Autonomic Neuroscience: Basic and Clinical*, 2018; 210:72-75, DOI: 10.1016/j.autneu.2017.11.005; 2.25 Impact Factor
22. Geipel J, **Koenig J**, Hillecke TK, Resch F, Kaess M. Music-Based Interventions to Reduce Internalizing Symptoms in Children and Adolescents: A Meta-Analysis. *Journal of Affective Disorders* 2018; 225:647-656, DOI: 10.1016/j.jad.2017.08.035; 3.432 Impact Factor

## 2017

Impact by year: 64.176 Impact Factor; Citations in 2017: 517

23. Santangelo PS\*, **Koenig J\***, Funke V, Parzer P, Resch F, Ebner-Priemer UW, Kaess M. Ecological Momentary Assessment of Affective and Interpersonal Instability in Adolescent Non-Suicidal Self-Injury. *Journal of Abnormal Child Psychology*, 45(7):1429-1438; DOI: 10.1007/s10802-016-0249-2 3.579 Impact Factor
24. Williams DP, Jarczok MN, Ellis RJ, Hillecke TK, Thayer JF, **Koenig J**. Two-Week Test-Retest Reliability of the Polar® RS800CX™ to Record Heart Rate Variability. *Clinical Physiology and Functional Imaging*; 37(6):776-781. DOI: 10.1111/cpf.12321; 1.44 Impact Factor
25. Williams DP, Joseph N, Sones E, Chetluru S, Hillecke TK, Thayer JF, **Koenig J**. Effect of Body Mass Index on Parasympathetic Nervous System Reactivity and Recovery following Orthostatic Stress. *The Journal of Nutrition Health and Aging*, 21(10):1250-1253; DOI: 10.1007/s12603-016-0817-8 3.00 Impact Factor
26. **Koenig J**, Brunner R, Schmidt JM, Parzer P, Resch F, Kaess M. Psychopathology and Borderline Personality Pathology Associated with Lifetime Self-Injurious Behavior in Adolescent Psychiatric Inpatients and Detainees. *Zeitschrift für Kinder- und Jugendpsychiatrie und Psychotherapie*; 45(6):441-451, DOI: 10.1024/1422-4917/a000549, 1.042 Impact Factor
27. Kemp AH, **Koenig J**, Thayer JF. From Psychological Moments to Mortality: A Multidisciplinary Synthesis on Heart Rate Variability Spanning the Continuum of Time. *Neuroscience & Biobehavioral Review*, ;83:547-567, DOI: 10.1016/j.neubiorev.2017.09.006; 8.299 Impact Factor
28. Williams DP, Feeling NR, Hill LBK, Spangler DP, **Koenig J**, Thayer JF. Resting Heart Rate Variability, Facets of Rumination, and Trait Anxiety: Implications for the Perseverative Cognition Hypothesis. *Frontiers in Human Neuroscience*, 11: 520. DOI: 10.3389/fnhum.2017.00520, 3.209 Impact Factor
29. **Koenig J**, Rash JA, Campbell TS, Thayer JF, Kaess M. A Meta-Analysis on Sex Differences in Resting-State Vagal Activity in Children and Adolescents. *Frontiers in Physiology - Clinical and Translational Physiology*; 8: 582; DOI: 10.3389/fphys.2017.00582; 4.134 Impact Factor
30. van der Ploeg MM, Brosschot JF, Verkuil B, Gillie BL, Williams DP, **Koenig J**, Vasey MW, Thayer JF. Inducing unconscious stress: Cardiovascular activity in response to subliminal presentation of threatening and neutral words. *Psychophysiology*, 54(10):1498-1511; DOI: 10.1111/psyp.12891 3.074 Impact Factor
31. **Koenig J\***, Rash JA\*, Kemp AH, Buchhorn R; Thayer JF, Kaess M. Resting State Vagal Tone in Attention Deficit (Hyperactivity) Disorder: A Meta-Analysis. *The World Journal of Biological Psychiatry* 2017 ;18(4):256-267; DOI: 10.3109/15622975.2016.1174300; 4.18 Impact Factor
32. Jandackova VK, **Koenig J**, Jarczok MN, Fischer JE, Thayer JF. Potential Biological Pathways linking Type-D Personality and Poor Health: A Cross-sectional Investigation. *PLoS One* 2017 ;12(4):e0176014, DOI: 10.1371/journal.pone.0176014 [Titel anhand dieser DOI in Citavi-Projekt übernehmen]; 3.057 Impact Factor

33. **Koenig J**, Clamor A, Loerbroks A, Jarczok MN, Fischer JE, Thayer JF. Only by the Night: A Closer Look at Parasympathetic Nervous System Dysregulation in Chronic Pain. *Pain Practice*, 17(4):568-569; DOI: 10.1111/papr.12564; 2.317 Impact Factor
34. **Koenig J**, Rinnewitz L, Warth M, Hillecke TK, Brunner R, Resch F, Kaess M. Psychobiological Response to Pain in Female Adolescents with Non-Suicidal Self-Injury. *Journal of Psychiatry and Neuroscience* 42(1):160074; DOI: 10.1503/jpn.160074; 5.86 Impact Factor
35. **Koenig J\***, Brunner R\*, Fischer-Waldschmidt G, Parzer P, Plener PL, Park JY, Wasserman C, Carli V, Hoven CW, Sarchiapone M, Wasserman D, Resch F, Kaess M. Prospective Risk for Suicidal Thoughts and Behaviour in Adolescents with Onset, Maintenance or Cessation of Direct Self-Injurious Behaviour. *European Child & Adolescent Psychiatry* 26(3):345-354; 3.34 Impact Factor DOI: 10.1007/s00787-016-0896-4
36. **Koenig J**, Rinnewitz L, Niederbäumer M, Hopstädter M, Parzer P, Resch F, Kaess M. Longitudinal Development of Pain Sensitivity in Adolescent Non-Suicidal Self-Injury. *Journal of Psychiatric Research*, 89: 81-84; 4.465 Impact Factor
37. Kaess M, Parzer P, Mehl L, Weil L, Strittmatter E, Resch F, **Koenig J**. Stress Vulnerability in Male Youth with Internet Gaming Disorder. *Psychoneuroendocrinology* ;77:244-25; DOI: 10.1016/j.psyneuen.2017.01.008; 4.704 Impact Factor
38. Thome J, Densmore M, Frewen PA, McKinnon M, Théberge J, Nicholson A, **Koenig J**, Thayer JF, Lanius RA. Desynchronization of Autonomic Response and Central Autonomic Network Connectivity in Posttraumatic Stress Disorder. *Human Brain Mapping* 38(1):27-4 DOI: 10.1002/hbm.23340; 4.96 Impact Factor
39. **Koenig J**, Rinnewitz L, Parzer P, Resch F, Thayer JF, Kaess M. Resting Cardiac Function in Adolescent Non-Suicidal Self-Injury: The Impact of Borderline Personality Disorder Symptoms and Psychosocial Functioning. *Psychiatry Research*; 248; 117-120; 2.466 Impact Factor
40. Gäbel C, Garrido N, **Koenig J**; Hillecke TK; Warth M. Effects of Monchord Music on Heart Rate Variability and Self-Reports of Relaxation in Healthy Adults. *Complementary Medicine Research* 2017 24(2):97-103.; DOI: 10.1159/000455133. 1.05 Impact Factor
41. Kaess M, Fischer-Waldschmidt G, Resch F, **Koenig J**. Health Related Quality of Life and Psychopathological Distress in Risk Taking and Self-Harming Adolescents with Full-Syndrome, Subthreshold and Without Borderline Personality Disorder: Rethinking The Clinical Cut-Off? *Borderline Personality Disorder and Emotion Dysregulation* 2017; 4:7; DOI: 10.1186/s40479-017-0058-4. 0.0 Impact Factor

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## 2016

Impact by year: 100.26 Impact Factor; Citations in 2016: 293

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42. Williams DP, Thayer JF, **Koenig J**. Resting Cardiac Vagal Tone Predicts Intra-Individual Reaction Time Variability during an Attention Task in a Sample of Young and Healthy Adults. *Psychophysiology* 53: 1843–1851. DOI: 10.1111/psyp.12739; 3.07 Impact Factor
43. Clamor A, **Koenig J**, Thayer JF, Lincoln TM. A randomized-controlled trial of heart rate variability biofeedback for psychotic symptoms. *Behavior Research and Therapy*, 87: 207-215; DOI: 10.1016/j.brat.2016.10.003 3.8 Impact Factor
44. Kaess M, Parzer P, **Koenig J**, Resch F, Brunner R. Dual-Task Performance under Acute Stress in Female Adolescents with Borderline Personality Disorder. *European Child & Adolescent Psychiatry* 25:1027–1035; 3.34 Impact Factor DOI: 10.1007/s00787-016-0824-7
45. **Koenig J**, De Kooning M, Bernardi A, Williams DP, Nijs J, Thayer JF, Daenen L. Lower Resting State Heart Rate Variability Relates to High Pain Catastrophizing in Patients with Chronic Whiplash Associated Disorders and Healthy Controls. *Pain Practice* 2016; 16(8)1048-1053; DOI: 10.1111/papr.12399; 2.18 Impact Factor
46. Kemp AH, **Koenig J**, Thayer JF, Bittencourt MS, Pereira AC, Santos IS, Dantas EM, Mill JG, Chor D, Ribeiro ALP, Benseñor IM, Lotufo PA. Race and Resting State Heart Rate Variability in Brazilian Civil Servants and the Mediating Effects of Discrimination: An ELSA-Brasil Cohort Study. *Psychosomatic Medicine in press*; DOI: 10.1097/PSY.0000000000000359; 3.47 Impact Factor
47. **Koenig J**, Fischer-Waldschmidt G, Brunner R, Resch F, Kaess M. [Refuge in Digital Worlds - the Association of Critical Life Events with Pathological Internet Use in Adolescence] Zuflucht in Digitalen Welten – zum Zusammenhang von Kritischen Lebensereignissen mit Pathologischer Internetnutzung im Jugendalter. *Praxis der Kinderpsychologie und Kinderpsychiatrie* 65(7): 494-515; DOI: 10.13109/prkk.2016.65.7.494, 0.58 Impact Factor
48. Jarczok MN, **Koenig J**, Li J, Mauss D, Hoffmann K, Schmidt B, Fischer JE, Thayer JF. The Association of Work Stress and Glycemic Status is Partially Mediated by Autonomic Nervous System Function: Cross-sectional Results from the Mannheim Industrial Cohort Study (MICS). *PLoS One* in press DOI: 10.1371/journal.pone.0160743; 3.06 Impact Factor
49. Kemp AH, Fráguas RJ, Brunoni AR, Bittencourt MS, Nunes MA, Dantas EM, Andreão RV, Mill JG, Ribeiro ALP, **Koenig J**, Thayer JF, Benseñor IM, Lotufo PA. Differential Associations of Specific Selective Serotonin Reuptake Inhibitors With Resting-State Heart Rate and Heart Rate Variability: Implications for Health and Well-Being. *Psychosomatic Medicine* 78(7):810-818.; DOI: 10.1097/PSY.0000000000000336; 3.47 Impact Factor

50. Andersen HH, Imai Y, Petersen KK, **Koenig J**, Elberling J, Arendt Nielsen L. Conditioning pain stimulation does not affect itch induced by intra-epidermal histamine-injections but aggravates neurogenic inflammation in healthy volunteers. *Somatosensory & Motor Research* 33(1):49-60; DOI: 10.3109/08990220.2016.1173535; 0.64 Impact Factor
51. Kaess M, Parzer P, Brunner R, **Koenig J**, Durkee T, Carli V, Wasserman C, Hoven CW, Sarchiapone M, Bobes J, Cosman D, Värnik A, Resch F, Wasserman D. Pathological Internet use is on the Rise among European Adolescents. *Journal of Adolescent Health* 59(2):236-9; DOI: 10.1016/j.jadohealth.2016.04.009; 3.61 Impact Factor
52. Guétin S, Brun L, Deniaud M, Clerc JM, Thayer JF, **Koenig J**. Smartphone-Based Music Listening to Reduce Pain and Anxiety before Coronarography: A Focus on Sex Differences. *Alternative Therapies in Health and Medicine* 22(4):60-3. 1.14 Impact Factor
53. Peschel SKV, Feeling NR, Vögele C, Kaess M, Thayer JF, **Koenig J**. A Meta-Analysis on Resting State High-Frequency Heart Rate Variability in Bulimia Nervosa. *European Eating Disorders Review* 24(5):355-65; DOI: 10.1002/erv.2454; 2.46 Impact Factor
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Impact by year: 32.75 Impact Factor; Citations in 2015: 143, \*equally contributing first author

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Impact by year: 24.88 Impact Factor; Citations in 2014: 42

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Impact by year: 27.07 Impact Factor; Citations in 2013: 13

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## Editorials

112. **Koenig J**. Production Editor's Note: New Author Guidelines: One Size Fits All? *Music and Medicine*. 2014; 6(2):78-80. 0.00 Impact Factor
113. **Koenig J**. Production Editor's Note: Moving In-House and Setting the Pace. *Music and Medicine*. 2014; 6(1):56. 0.00 Impact Factor

## Books & Book Chapter

114. **Koenig J**. Technik- und Modellfaktoren der Musiktherapie der Musiktherapie bei primären Kopfschmerzen im Jugendalter. 1. Auflage, 2016; ISBN 978-3-942648-14-1, Heidelberger Hochschulverlag, Heidelberg

## Thesis

115. **Koenig J**. Specific Factors of Music Therapy in the Treatment of Primary Headache Disorders in Adolescents - a Randomized, Attention-Placebo Controlled Trial [Technik- und Modellfaktoren der Musiktherapie bei primären Kopfschmerzen im Jugendalter - eine randomisierte, placebokontrollierte, zweiarmige Studie im Parallelgruppendesign]. 01/2013, Degree: Dr. sc. hum, Supervisor: Prof. Dr. Franz Resch;
116. **Müller-Greiff J**. pNN50 und rMSSD Komponenten der Herzratenvariabilität während des Spielens von First-Person-Shooter Computerspielen im zeitlichen Verlauf - vagale Innervierung kardiovaskulärer Funktionen als Indikator der Aufmerksamkeitsregulation und Reizfolgeaktion. 01/2009, Degree: Master of Arts
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## Peer-Reviewed Conference Abstracts

### 2018

1. **Koenig J**, van der Venne P, Drews E, Parzer P, Kaess M. Full Blood Count Abnormalities in Adolescent Non-Suicidal Self-Injury: An Exploratory Analysis of Clinical Correlates. International Society for the Study of Self-Injury, 2018 ISSS Conference, 22-23 June, Brussels, Belgium
2. **Koenig J**. Autonome Dysfunktion bei Jugendlichen mit Borderline Persönlichkeitsstörung. Jahreskongress 2018 der Deutschen Gesellschaft für Biologische Psychiatrie (DGBP). 14-16 März 2018, Heidelberg, Germany

3. **Koenig J**, Kaess M. Autonomic Nervous System Function and Emotion Regulation in Adolescent Non-Suicidal Self-Injury. International Society for the Study of Self-Injury, 2018 ISSS Conference, 22-23 June, Brussels, Belgium
4. **Koenig J**, Kaess M. Autonomic Nervous System Function and Emotion Regulation in Adolescent Non-Suicidal Self-Injury. 73rd Society of Biological Psychiatry Annual Scientific Convention, 10-12 May, New York, USA
5. Brownlow BN, Williams DP, Wiley C, Sollers JJ III, **Koenig J**, Thayer JF. Examining Ethnic Differences in Heart Rate Variability and Difficulties in Emotion Regulation. 76 Annual American Psychosomatic Society Scientific Meeting, Louisville, KY, 03/2018; Abstract published in *Psychosomatic Medicine*
6. Thayer JF, **Koenig J**. Structural and Functional Cerebral Correlates of Heart Rate Variability: Implications for Resilience. 76 Annual American Psychosomatic Society Scientific Meeting, Louisville, KY, 03/2018; Abstract published in *Psychosomatic Medicine*
7. Williams DP, Hill LK, **Koenig J**, Thayer JF. Ethnic Differences in Cardiac Autonomic Activity: A Focus on Impedance Cardiography. 76 Annual American Psychosomatic Society Scientific Meeting, Louisville, KY, 03/2018; Abstract published in *Psychosomatic Medicine*
8. Williams DP, Joseph N, Brownlow B, **Koenig J**, Thayer JF. A Quadratic Relationship between Vagally Mediated Heart Rate Variability and Perceived Ethnic Discrimination. 76 Annual American Psychosomatic Society Scientific Meeting, Louisville, KY, 03/2018; Abstract published in *Psychosomatic Medicine*
9. Williams DP, Gerado G, Desai H, Joseph N, **Koenig J**, Thayer JF. The Association between the Low-to-High Frequency Ratio and Cardiac Autonomic Balance and Regulation. 76 Annual American Psychosomatic Society Scientific Meeting, Louisville, KY, 03/2018; Abstract published in *Psychosomatic Medicine*

## 2017

10. **Koenig J**. Effect of Dialectical Behavior Therapy on Affective and Interpersonal Instability in Adolescent Borderline Personality Disorder – An Ecological Momentary Assessment Study. XV International Congress of the International Society for the Study of Personality Disorders, Heidelberg 25-28 September 2017 RG
11. **Koenig J**. Neurovisceral Integration in Adolescent Non-Suicidal Self-Injury and Borderline Personality Disorder. XV International Congress of the International Society for the Study of Personality Disorders, Heidelberg 25-28 September 2017 RG
12. Joseph N, Williams DP, Gerardo GM, Feeling NR, **Koenig J**, Thayer JF. Heart Rate Variability, The Need for Affect, and Trait Anxiety: An Update on a Mediated Relationship. 2017 Society of Psychophysiological Research, October 11-15 at the Hofburg in Vienna, Austria. RG
13. Gerardo GM, Joseph N, Williams DP, Feeling NR, Spangler DP, Hillecke TK, Thayer JF, **Koenig J**. Relationship between Body Mass Index and Heart Rate Variability Reactivity and Recovery following Graded Exercise. 2017 Society of Psychophysiological Research, October 11-15 at the Hofburg in Vienna, Austria.
14. **Koenig J**, Weise S, Rinnewitz L, Parzer P, Resch F, Kaess M. Longitudinal Development of Heart Rate Variability and Borderline Personality Disorder Symptoms in Adolescents with Non-Suicidal Self-Injury. 2017 Society of Psychophysiological Research, October 11-15 at the Hofburg in Vienna, Austria.
15. Williams DP, Joseph N, Feeling N, Gerardo G, **Koenig J**, Thayer JF. Lower resting heart rate variability is significantly associated with a greater need for cognition in men but not in women. 2017 Society of Psychophysiological Research, October 11-15 at the Hofburg in Vienna, Austria. RG
16. Weber CS, Kalckhoff N, Erdur L, Thayer JF, Kopf A, **Koenig J**, Rose M. Gender differences in heart rate variability in somatoform pain patients. Deutscher Kongress für Psychosomatische Medizin und Psychotherapie vom 22. bis 24. März 2017 in Berlin. Abstract published in *Zeitschrift für Psychosomatische Medizin und Psychotherapie* 2017 Jg. 63, Heft 1. 113-114
17. **Koenig J**, Parzer P, Mehl L, Weil L, Strittmatter E, Resch E, Kaess M. Stressvulnerabilität bei männlichen Jugendlichen mit Störung durch das Spielen von Internetspielen. XXXV. DGKJP-Kongress 2017, Ulm 22.03. – 25.03.2017
18. **Koenig J**, Santangelo PS, Funke V, Parzer P, Resch F, Ebner-Priemer UW, Kaess M. Affektive und Interpersonelle Instabilität bei Jugendlichen mit Nicht-Suizidalem Selbstverletzendem Verhalten und Borderline Persönlichkeitsstörung. XXXV. DGKJP-Kongress 2017, Ulm 22.03. – 25.03.2017
19. Rinnewitz L, **Koenig J**, Resch F, Kaess M. Kortisolreaktion auf experimentell induzierten Schmerz bei Jugendlichen mit nicht-suizidalem selbstverletzenden Verhalten. XXXV. DGKJP-Kongress 2017, Ulm 22.03. – 25.03.2017
20. **Koenig J**, Santangelo PS, Funke V, Parzer P, Resch F, Ebner-Priemer UW, Kaess M. Borderline Personality Disorder Symptoms and Affective and Interpersonal Instability in Adolescent Non-Suicidal Self-Injury. 17th International ESCAP Congress 2017, 9-11 July 2017, Geneva, Switzerland
21. **Koenig J**, Kaess M. Patterns of Altered Autonomic Function in Non-Suicidal Self-Injury and Related Psychopathology. 17th International ESCAP Congress 2017, 9-11 July 2017, Geneva, Switzerland
22. Feeling NR, Williams DP, Kemp AH, Kaess M, Thayer JF, **Koenig J**. Relating Life-Time Traumatic Events and Post-Traumatic Stress Symptoms to Resting State Cardiac Vagal Activity in Young Adults. 75th Annual American Psychosomatic Society Scientific Meeting, Sevilla, Spain CO; 03/2017; Abstract published in *Psychosomatic Medicine*

23. **Koenig J**, Weise S, Rinnewitz L, Hoppstädter T, Niederbäumer M, Parzer P, Resch F, Kaess M. Longitudinal Covariance of Resting State Heart Rate Variability and Borderline Personality Disorder Symptoms in Adolescents with Non-Suicidal Self-Injury. Society of Biological Psychiatry 72nd Annual Meeting, San Diego May 18-20, 2017
24. **Koenig J**, Rinnewitz L, Niederbäumer M, Hoppstädter T, Parzer P, Resch F, Kaess M. Longitudinal Association of Pain Sensitivity and Frequency of Non-Suicidal Self-Injury in Adolescents. Society of Biological Psychiatry 72nd Annual Meeting, San Diego May 18-20, 2017
25. Jarczok MN, Warth M, Gäbel C, **Koenig J**, Aguilar-Raab C, Traunmüller C, Thayer JF, Ditzen B, Schwerdtfeger A. Patterns of circadian rhythms of vagal activity vary by trait measures of euthymia and dysthymia. 75th Annual American Psychosomatic Society Scientific Meeting, Sevilla, Spain CO; 03/2017; Abstract published in *Psychosomatic Medicine*
26. Jarczok MN, **Koenig J**, Aguilar-Raab C, Diepolder ML, Traunmüller C, Thayer JF, Ditzen B, Schwerdtfeger A. Test-retest reliability of parameters indexing circadian variation in vagal activity. 75th Annual American Psychosomatic Society Scientific Meeting, Sevilla, Spain CO; 03/2017; Abstract published in *Psychosomatic Medicine*
27. Feeling NR, Williams DP, Hill LK, Spangler DP, **Koenig J**, Thayer JF. Resting Heart Rate Variability and its Relation to Maladaptive and Adaptive Facets of Rumination and Trait Anxiety. 75th Annual American Psychosomatic Society Scientific Meeting, Sevilla, Spain CO; 03/2017; Abstract published in *Psychosomatic Medicine*
28. Williams DP, **Koenig J**, Vasey MM, Way BM, Thayer JF. The Relationship between Heart Rate Variability and Markers of Inflammation: A Meta-Analysis. 75th Annual American Psychosomatic Society Scientific Meeting, Sevilla, Spain CO; 03/2017; Abstract published in *Psychosomatic Medicine*
29. Joseph NP, Williams DP, Bowman A, **Koenig J**, Spangler D, Thayer JF. The Relationship between Heart Rate Variability and the Need for Affect: A Focus on Gender Differences. 75th Annual American Psychosomatic Society Scientific Meeting, Sevilla, Spain CO; 03/2017; Abstract published in *Psychosomatic Medicine*
30. Desai H, Williams DP, Feeling NR, Joseph N, Speller LF, **Koenig J**, Spangler D, Thayer JF. The Association of Resting Heart Rate Variability and False Memory: A Preliminary Study Focused on Memory Valence. 75th Annual American Psychosomatic Society Scientific Meeting, Sevilla, Spain CO; 03/2017; Abstract published in *Psychosomatic Medicine*
31. Barton AD, Williams DP, Dragomirescu C, Feeling NR, **Koenig J**, Spangler D, Thayer JF. Higher Trait Perseverative Cognition is Associated with Decreased Heart Rate Variability during a Negative Emotion Induction in Women. 75th Annual American Psychosomatic Society Scientific Meeting, Sevilla, Spain CO; 03/2017; Abstract published in *Psychosomatic Medicine*
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127. Hillecke TK, **Koenig J**: *Promoting health with music - Music Therapy - An Art of Scientific Treatment? Talk about Music Therapy, Department of Psychology, University of Bergen*, Bergen, Norway; 01/2012
128. Jarczok MN, **Koenig J**, Li J, Fischer JE, Thayer JF: *Possible Confounders in the Pain and Heart Rate Variability Relationship. The 6th World Congress of the World Institute for Pain*, WIP 2012, Miami Beach, Florida, 4. bis 6. Februar, 2012; 01/2012
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