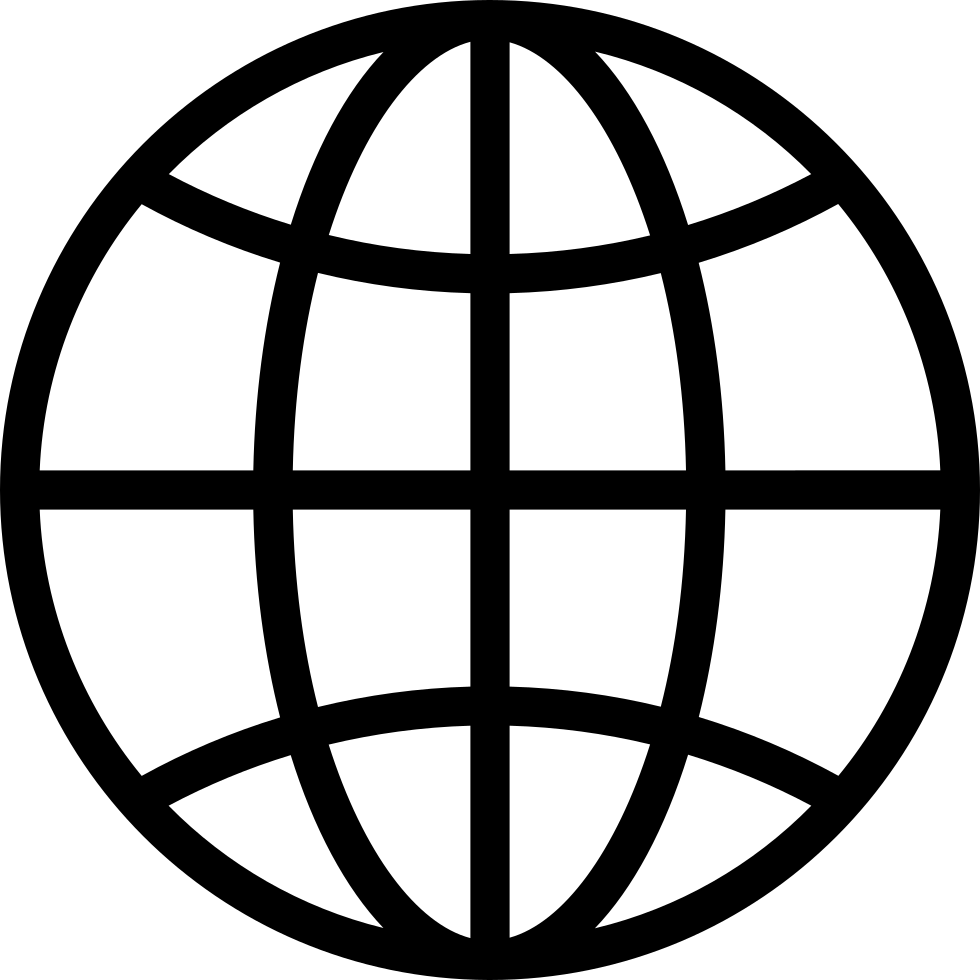
**Deniz Kumral**

*Cirriculum Vitae*

Image result for email symbol [denizkumral89@gmail.com](mailto:denizkumral89@gmail.com)

 <https://denizkumral.net/>

Department of Psychology   
Neuropsychology  
University of Freiburg  
Engelbergerstr. 41  
79106 Freiburg, Germany

**EDUCATION**

Expected June 2021: **Charité – Universitätsmedizin Berlin, Berlin, Germany**

* Dr.rer.med Dissertation: Variability in heart and brain activity across the adult lifespan

September 2012 – December 2014: **Freie Universität Berlin, Berlin, Germany**

* MSc in Social Cognitive Affective Neuroscience

September 2008 – June 2012: **Istanbul Bilgi University, Istanbul, Turkey**

* BA in Psychology, Salutatorian at Faculty of Arts and Science, Salutatorian
* BA in Management of Performing Arts (Double Major), Valedictorian

January 2011 – June 2011: **Utrecht University, Utrecht, The Netherlands**

* Social Neuroscience Minor Degree
* Thesis: Smile or Frown? It depends on the other: Forced Facial Expressions as Mediations for the Direction of Self-Evaluations

September 2003 – June 2008: **Deutsche Schule Istanbul,** **Istanbul, Turkey**

* Abitur, Bundesministerium für Bildung und Forschung, Germany

**RESEARCH EXPERIENCE & INTERESTS**

February 2021 – Present: **Albert Ludwig University of Freiburg, Department of Psychology, Neuropsychology, Freiburg, Germany (PI: Monika Schönauer)**

January 2015 – Present: **Max Planck Institute for Human Cognitive and Brain Sciences, Department of Neurology, Leipzig, Germany (PI: Arno Villringer)**

**FUNDINGS AND AWARDS**

* MPI PhD Scholarship (2014-2017)
* Adile Mermerci Foundation Stipend (2012-2013)
* Full Scholarship at Istanbul Bilgi University (2008-2012)
* Erasmus Exchange Program Scholarships (2010-2011)

**SKILLS**

**Technical Skills:** Matlab, R, Python, SPSS, MS Office, Bash (Shell), HTML, CSS, SQL, Git,   
**Research-related**: AFNI, FSL, SPM, fMRIPrep, FreeSurfer, Fieldtrip, EEGLAB,Brainstorm, Brain Vision Analyzer, Kubios

**Soft skills:** Academic writing, effective proposal writing, research funding, project management, social media, scientific communication

**LANGUAGES**

* Turkish (native)
* English (fluent proficiency)
* German (professional working proficiency)

**SCIENTIFIC PROFILES**

* <https://scholar.google.com/citations?user=qnYo_KEAAAAJ&hl=en>
* <https://osf.io/g25z9/>
* <https://orcid.org/0000-0001-6584-7948>
* <https://www.researchgate.net/profile/Deniz_Kumral>

**Reviewer Duty**: NeuroImage, NeuroImage: Clinical, Scientific Reports, Journal of Neuroscience Methods, Journal of Psychophysiology, Cerebral Cortex

# **LIST OF PUBLICATIONS**

**Kumral D**, Matzerath A, Leonhart R, Schönauer M. Spindle-dependent memory consolidation in healthy adults: A meta-analysis, *in prep*

**Kumral D**, Al E, Cesnaite E, Kornej J, Sander C, Hensch T, Zeynalova S, Tautenhahn S, Hagendorf A, Laufs U, Wachter R, Nikulin V, Villringer A. The Neural Representation of the Heart is Strongly Attenuated in Patients with Atrial Fibrillation, *in revision*,

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Uhlig M, Reinelt JD, Lauckner ME**, Kumral D**, Schaare HL, Mildner T, Babayan A, Engert V, Villringer A, Gaebler M. Rapid volumetric brain changes after acute psychosocial stress, *under review*,

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Cesnaite E, Steinfath TP, Idaji MJ, Stephani T, **Kumral D,** Haufe S, Sander C, Hensch T, Hegerl U, Riedel-Heller S, Roehr S, Schroeter M, Witte V, Villringer A, Nikulin V. Alterations in rhythmic and non-rhythmic resting-state EEG activity and their link to cognition in older age. *in revision*,

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Schaare L, Blöchl M, **Kumral D**, Uhlig M, Lemcke L, Valk S, Villringer, A. Mental health, blood pressure and the development of hypertension, *submitted*.

**Kumral D**, Cesnaite E, Beyer F, Hofmann SM, Hensch T, Sander C, Hegerl U, Haufe S, Villringer A, Witte AV, Nikulin V. Relationship between Regional White Matter Hyperintensities and Alpha Oscillations in Older Adults, *Neurobiology of aging,* 2022, 112, 1-11, doi: 10.1016/j.neurobiolaging.2021.10.006

Roebbig J, Erbey M, Babayan A, Reiter A**, Kumral D**, Schaare HL, Reinelt J, Gaebler M, Kunzmann U, Villringer A. Anger Regulation Choice- the Role of Age and Habitual Reappraisal*, Emotion,* 2021*,* doi: 10.1037/emo0000915.

Stegmann T, Chu M, Witte V, Villringer A, **Kumral D**, Riedel-Heller SG. Laufs U, Löffler M, Wachter R, Zeynalova S. Heart failure is independently associated with white matter lesions on magnetic resonance imaging: insights from the LIFE-Adult Study, *ESC Heart Failure,* 2020, doi: 10.1002/ehf2.13166

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Koenig J, Abler B, Agartz I, Åkerstedt T, Andreassen OA, Anthony M, Bär K, Bertsch K, Brown RC, Brunner R, Carnevali L, Critchley HD, Cullen KR, De Geus EJC, de la Cruz Monte de Oca F, Dziobek I, Ferger MD, Fischer H, Flor H, Gaebler M, Gianaros PJ, Giummarra MJ, Greening SG, Guendelman S, Heathers JAJ, Herpertz SC, Hu MX, Jentschke S, Kaess M, Kaufmann T, Klimes-Dougan B, Koelsch S, Krauch M, **Kumral D**, Lamers F, Lee T, Lekander M, Lin F, Lotze M, Makovac E, Mancini M, Mancke F, Månsson KNT, Manuck SB, Mather M, Meeten F, Min J, Mueller B, Muench V, Nees F, Nga L, Nilsonne G, Ordonez Acuna D, Osnes B, Ottaviani C, Penninx BWJH, Ponzio A, Poudel GR, Reinelt J, Ren P, Sakaki M, Schumann A, Sørensen L, Specht K, Straub J, Tamm S, Thai M, Thayer JF, Ubani B, van der Mee DJ, van Velzen LS, Ventura-Bort C, Villringer A, Watson DR, Wei L, Wendt J, Westlund Schreiner M, Westlye LT, Weymar M, Winkelmann T, Wu G, Yoo HJ, Quintana DS. Cortical Thickness and Resting State Cardiac Function Across the Lifespan: A Cross-Sectional Pooled Mega Analysis. *Psychophysiology,* 2020;00:1–16, [doi:10.1111/psyp.13688](https://onlinelibrary.wiley.com/doi/10.1111/psyp.13688)

**Kumral D**, Şansal F, Cesnaite E, Mahjoory K, Al E, Gaebler M, Nikulin VV, Villringer A. BOLD and EEG signal variability at rest differently relate to aging in the human brain. *Neuroimage*. 2020;207:116373, [doi:10.1016/j.neuroimage.2019.116373](https://www.sciencedirect.com/science/article/pii/S1053811919309644)

**Kumral D**, Schaare HL, Beyer F, Reinelt J, Uhlig M, Liem F, Lampe L, Babayan A, Reiter A, Erbey M, Roebbig J, Loeffler M, Schroeter ML, Husser D, Witte AV, Villringer A, Gaebler M. The age-dependent relationship between resting heart rate variability and functional brain connectivity. *Neuroimage*. 2019;185:521-533, [doi:10.1016/j.neuroimage.2018.10.027](https://www.sciencedirect.com/science/article/abs/pii/S1053811918319864)

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Schaare HL, Kharabian Masouleh S, Beyer F, **Kumral D**, Uhlig M, Reinelt JD, Reiter AMF, Lampe L, Babayan A, Erbey M, Roebbig J, Schroeter ML, Okon-Singer H, Müller K, Mendes N, Margulies DS, Witte AV, Gaebler M, Villringer A. Association of peripheral blood pressure with gray matter volume in 19- to 40-year-old adults. *Neurology*. 2019;92(8):758-773, [doi:10.1212/WNL.0000000000006947](https://n.neurology.org/content/92/8/e758.abstract)