ORSOLYA KISS

PERSONAL INFORMATION

E-mail	orsolya.kiss@sri.com
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Google Scholar	https://scholar.google.hu/citations?user=VhzIsGgAAAAJ&hl=en
Work Authorization	*Authorized to work in the US without sponsorship*

PERSONAL STATEMENT

I am a developmental scientist with dual training in Psychology and Computer Science. My research lies at the intersection of *data science* and *neuroscience*, with a strong focus on extracting key insights from large-scale biomedical datasets. I have made significant contributions to understanding social cognition and sleep patterns, processes that are foundational and undergo substantial changes during adolescence, contributing to healthy and adaptive development. Recently, my research has centered on *adolescent brain development*, *multidimensional sleep assessments*, *metabolic and endocrine health*, and their implications for *mental health*.

Currently, I am a Research Scientist at SRI International's Human Sleep Lab, within the Center for Health Sciences. My work focuses on how social media engagement and sleep patterns influence *brain maturation* in adolescents. Additionally, I am developing innovative computational methods to analyze the brain's reward network and its development in early adolescence, using functional MRI measures.

INTERESTS

brain development, neuroimaging, computational sleep, digital media engagement, hormone and metabolic health, applied artificial intelligence, longitudinal machine learning

EMPLOYMENT

SRI International 2020 - Present
Research Scientist since April 2023, Postdoctoral Scholar since September 2020 *Menlo Park, CA, US*

Sleep and *women's health* - *principal investigator* on internal grant (IRHOME.A.2023.PCOS)
Sleep and *adolescent health* (screen use, substance use)
Applied *interpretable machine learning* methods in sleep research
Data scientist role within the lab with projects involving signal processing and network analysis

Institute of Cognitive Neuroscience of the Research Centre for Natural Sciences 2015 - 2019
Doctoral Research Fellow *Budapest, Hungary*

Social sensitivity in the context of *autism*
The effects of social stimulation on cognition
Social sensitivity and sleep in domestic dogs

Informatics Laboratory of the Hungarian Academy of Sciences Summer 2018
Research Assistant - Intern *Budapest, Hungary*

Automatic sleep stage scoring in domestic dogs with *neural network* based machine learning models

Esze Tamás Children's home 2015-2016
Child and Adolescent Psychologist *Budapest, Hungary*

Provided individual and group therapy to adolescents
Conducted assessments, created treatment plans, and monitored progress

Babeș-Bolyai University 2010-2012
Teaching and Research Assistant *Cluj-Napoca, Romania*

Conducted experiments and taught statistical analysis.

I was also involved in performance assessment, mentoring, and teaching, which included providing feedback on student work, guiding research projects, and delivering lectures.

ACADEMIC HISTORY

SRI International 2020 - 2023
Postdoctoral Research Fellow in the Human Sleep Lab *Menlo Park, CA, US*

Advisor: Fiona C. Baker

Budapest University of Technology and Economics 2012 - 2020
Ph.D. student since 2015 in the Psychobiology Research Group, Cognitive Psychology *Budapest, Hungary*

Advisor: József Topál

Thesis: Responsiveness to social-affective signals in dogs and humans: neurocognitive and comparative perspectives.

Eötvös Loránd University 2007 - 2010
B.Sc. in Computer Science *Budapest, Hungary*

Advisor: Gergely Dévai and András Benczúr

Thesis: Automatic classification of sleeping EEG time series with machine learning models. (Hungarian)

Babeș-Bolyai University 2010 - 2012
M.Sc. in Educational Psychology - counseling and intervention *Cluj-Napoca, Romania*

Advisor: István Szamosközi

Thesis: Understanding the algorithm versus the algorithm of understanding. (Hungarian)

Babeș-Bolyai University 2010 - 2012
Teaching Certification - Level 2 *Cluj-Napoca, Romania*

Advisor: Éva Ráduly Zörgő

Thesis: Methodologies for Group Activities and Activity Facilitation in Educational and Therapeutic Settings. (Hungarian)

Certified and authorized to teach at high schools and universities.

Official endorsement by the Ministry of Education, Research, and Youth of Romania.

Babeș-Bolyai University 2007 - 2010
B.Sc. in Psychology *Cluj-Napoca, Romania*

Advisor: Réka János

Thesis: The interaction between the locus of control, competence, and judgment. (Hungarian)

Babeș-Bolyai University 2007 - 2010
Teaching Certification - Level 1 *Cluj-Napoca, Romania*

Advisor: Éva Ráduly Zörgő

Issued by the Department for Teacher Training

Certified and authorized to teach at elementary and middle schools.

Official endorsement by the Ministry of Education, Research, and Youth of Romania.

TEACHING AND MENTORING

SRI International 2020 - Present
Supervisor *Menlo Park, CA, US*

Mentored and assisted students with their B.Sc. and M.Sc. theses in developmental psychology and computer science: Linhao Zhang (University of Georgia, - Ph.D.), Tomas Mika Bosschieter (Stanford University - Ph.D.), Zihan Qu (University of California, Los Angeles - M.Sc.), Boróka Bogáti (Budapest University of Technology and Economics, Hungary - M.Sc.), Richa Patel (Palo Alto University - Ph.D.)
Mentored research assistants: Anya Harkness (SRI International), Brittany Bland Boyd (SRI International)
Mentored and managed interns: Catherine Lange (University of California, Los Angeles), Emma Frati (Columbia University), Pejmon Shariat (University of San Francisco)
Organized scientific seminars to promote knowledge-sharing, enhance collaborative research, and stay updated on recent scientific developments.

Scientific Training in Addiction Research Techniques (START) 2024 - Present
ABCD Investigator, Supervisor *Menlo Park, CA, US*

Mentee: Sarah Sampaio Izabel - PhD candidate at Stanford University

National Research Mentoring Network (NRMN) 2022 - Present
Supervisor *Menlo Park, CA, US*

Mentored interns: Anne Arnold (Fairfield University), Adrianna Shaska (Michigan State University), Caroline Kibbe (Brown University)

Pázmány Péter Catholic University 2018 - 2019
Instructor, Supervisor *Budapest, Hungary*

Department: Cognitive Psychology
Descriptive and Inferential Statistics
Impact of screen use on the neural development
Mentored and supervised students in their B.Sc. theses in developmental psychology: Júlia Lili Fehér, Dorothy Berkes, Eliza Kollerits, Hella Kolonics, Melinda Orha

Babeș-Bolyai University 2010- 2012
Teaching Assistant *Cluj-Napoca, Romania*

Department: Applied Psychology
Descriptive and Inferential Statistics
General Psychology

Budapest University of Technology and Economics 2012 - 2013
Teaching Assistant *Budapest, Hungary*

Department: Cognitive Sciences
General Psychology I & II, Visual system and visual illusions

TECHNICAL EXPERIENCE

Python, R, Matlab, EEG, PSG, C++, OOP, Anaconda, Jupyter Notebook, Pandas, scikit-learn, Git, LaTeX

AWARDS AND GRANTS

2023 IRHOME.A.2023.PCOS (MPIs: Kiss & Baker)- SRI International, Biosciences Division, internal grant-Predicting Polycystic Ovary Syndrome (PCOS) with continuous glucose and sleep monitoring data

U01 DA041022 (MPIs: Baker & Műller-Oehring) 09/30/15 – 03/31/27 ABCD-USA Consortium: Research Project: SRI; Role: Co-Investigator

R01 MH128959-01 (MPIs: Baker, & Műller-Oehring) 09/30/15 – 03/31/27 "Effects of pandemic-related disruption to social connectedness on the brain and emotional wellbeing in adolescents"; Role: Postdoctoral Research Fellow

2015 Young Researcher Scholarship program, Hungarian Academy of Sciences, Budapest, Hungary

2018 Awardee of the Advanced Algorithms Seminar for Data Analysis, Eötvös Loránd University, Budapest, Hungary

2012 ETDK-Transylvanian Scientific Student Fellowship Award - 1st prize

2009 ETDK-Transylvanian Scientific Student Fellowship Award

REVIEWING, PROGRAM COMMITTEE MEMBERSHIP

Member of the Bioscience Division Advisory Committee at SRI International	2024-Present
Member of the Women in STEM Employee Resource Group at SRI International	2021-Present
Annual review for the Budapest CEU Conference on Cognitive Development meeting	2020-Present
Member of the Council of Investigators - Adolescent Brain Cognitive Development Study	2023-Present
Member of the Novel Technologies Workgroup in the ABCD Study	2022-Present
Trainee Member of the Adolescent Brain Cognitive Development (ABCD) Study	2020-2022
Trainee Member, Sleep Research Society	2020-2023
Trainee Member of the Trainee Education Advisory Committee (TEAC)	2023-Present
Member, ESCoP, European Society for Cognitive Psychology	2020-2023

Peer review: Sleep, Journal of Affective Disorders, ELIFE, PLOS ONE, Behavioral Sleep Medicine, Children, Sleep Medicine, Veterinary Research Communications 2020, 2021, 2022, 2023, 2024;

PRESENTATIONS

Sleep Meeting 2024   June 2, 2024, Houston, TX, US
Title: Methodological Approaches and Best Practices Session: Challenges with Wearables for Sleep: Strategies for Addressing Incomplete Data

Sleep Meeting 2024   June 2, 2024, Houston, TX,US
Title: Interconnected Dynamics of Sleep Duration, Social Media Engagement, and Neural Reward Responses in Adolescents.

Sleep Meeting 2024   June 4, 2024, Houston, TX, US
Title: Comparing Youth-Reported, Caregiver-Reported and Fitbit Sleep Measures in a Large Early Adolescent Sample.

Sleep Meeting 2024   June 4, 2024, Houston, TX, US
Title: Effects of Sleep Behavior, Obesity, and Sex on Well-Being and Mental Health Problems in Adolescents.

Nagata Lab, University of San Francisco   May 30, 2024, San Francisco, CA, US
Title: Using Explainable Machine Learning to Investigate Adolescent Obesity

NIH Big Data Workshop   April 10, 2024, US
Title: Using Explainable Machine Learning to Investigate Predictors of Adolescent Physical and Mental Health
Session: Big Data Approaches for Novel Mechanistic Insights on Disorders of Sleep and Circadian Rhythms

NIH ABCD Insights & Innovations Meeting (AIIM)   March 4, 2024, Bethesda, MD, US
Title: Reciprocal relationships between social media use, sleep duration, and neural reward sensitivity in adolescents

ABCD Webinar 2023   May 4, 2023, US
Title: The pros and cons of adolescent screen use: Findings from the ABCD Study®.

Sleep Meeting 2023   June 6, 2023, Indianapolis, IN, US
Title: Using daily wearable cardio fitness and sleep data to predict obesity in early adolescence

Sleep Meeting 2023   June 5, 2023, Indianapolis, IN, US
Title: Sleep moderates the link between youth impulsivity and mature-rated media screen usage

Sleep Meeting 2023   June 6, 2023, Indianapolis, IN, US
Title: Effects of Perceived Discrimination on Sleep and Internalizing and Externalizing Behaviors in Hispanic/Latinx Adolescents

Annual ABCD Meeting   November 8, 2022, San Diego, CA, US
Title: Using Fitbit data to predict obesity.

Sleep Meeting 2022   June 3-8, 2022, Charlotte, NC, US
Title: Effects of emerging alcohol use on developmental trajectories of functional sleep measures in adolescents.

Sleep Meeting 2022   June 3-8, 2022, Charlotte, NC, US
Title: Screen time and sleep in young adolescents before and across the first year of the COVID-19 pandemic

Annual ABCD Meeting   November 7, 2021, San Diego, CA, US
Title: Pandemic-Related Distress.

Sleep Meeting 2021   June 10-13, 2021, Virtual, US
Title: Poor sleep as a predictor of COVID-19 related stress, fear and sadness in young adolescents: a longitudinal study.

Donders Discussion   October 11, 2018, Nijmegen,
Title: The effect of the audience on visual attention.

European Society for Cognitive Psychology (ESCOP) Conference   September 26, 2019, Tenerife, SPA
Title: Audience effect in dogs: behavioral measures and sleep EEG monitoring.

Canine Science Forum (CSF)   July 3-6, 2018, Budapest, HU
Title: Similarity between an unfamiliar human and the owner affects dogs' preference for human partner when responding to an unsolvable problem.

Canine Science Forum (CSF)   July 3-6, 2018, Budapest, HU
Title: Owner's visual attention affects monotonous task performance in dogs.

Budapest CEU Conference on Cognitive Development (BCCCD)   January 4-6, 2018, Budapest, HU
Title: Audience effect in dogs.

Dubrovnik Conference on Cognitive Science (DUCOG)   May 24-27, 2018, Dubrovnik, HR
Title: The effect of an audience on dogs' performance.

Budapest CEU Conference on Cognitive Development (BCCCD)   January 5-7, 2017, Budapest, HU
Title: Discrimination between ingroup and outgroup human partners in dogs.

Donders Discussion   October 9, 2017, Nijmegen,
Title: Audience effect in dogs.

Hungarian Ethology Meeting   December 2-4, 2016, Debrecen, HU
Title: Social categorization in dogs.

Budapest CEU Conference on Cognitive Development (BCCCD)   January 8-10, 2015, Budapest, HU
Title: Understanding negative numbers in elementary school.

Dubrovnik Conference on Cognitive Science (DUCOG)   May 22-25, 2014, Dubrovnik, HR
Title: What number representation do preschoolers use: analogue magnitude system or object-related representation?

Budapest CEU Conference on Cognitive Development (BCCCD)   January 8-11, 2014, Budapest, HU
Title: Development of understanding zero in preschoolers,

Annual Congress of the Hungarian Psychiatric Association (MPT)   May 14, 2013, Budapest, HU
Title: Number representation between preschoolers: object-related number representation vs. analogue magnitude system.

Annual Congress of the Hungarian Psychiatric Association (MPT)   May 14, 2013, Budapest, HU
Title: Processing place value notation in developmental dyscalculia.

PUBLICATIONS

[1] S. Weinstein, S. Alsamman, C. Lee, E. Dooley, K. Ganson, A. Testa, H. Gooding, O. **Kiss**, F. Baker, K. Pettee Gabriel, et al. Association of physical activity and screen time with cardiovascular disease risk in the adolescent brain cognitive development study. *BMC Public Health*, 24(1), 2024.

[2] O. **Kiss**, Z. Qu, E. M. Müller-Oehring, F. C. Baker, and B. Mirzasoleiman. Sleep, brain systems, and persistent stress in early adolescents during covid-19: Insights from the abcd study. *Journal of Affective Disorders*, 346:234–241, 2024.

[3] O. **Kiss**, F. C. Baker, R. Palovics, E. E. Dooley, K. P. Gabriel, and J. M. Nagata. Using explainable machine learning and fitbit data to investigate predictors of adolescent obesity. *Scientific Reports*, 14(1):12563, 2024.

[4] O. **Kiss** and F. C. Baker. The unique vulnerabilities of nighttime smartphone use: A commentary on "tracked and self-reported nighttime smartphone use, general health, and healthcare utilization: results from the smartsleep study" by drews et al. *Sleep*, 47(6), 2024.

[5] J. M. Nagata, S. Weinstein, S. Alsamman, C. M. Lee, E. E. Dooley, K. T. Ganson, A. Testa, H. C. Gooding, O. **Kiss**, F. C. Baker, et al. Association of physical activity and screen time with cardiovascular disease risk in the adolescent brain cognitive development study. *BMC Public Health*, 24(1):1–11, 2024.

[6] J. M. Nagata, O. M. Sajjad, N. Smith, G. Zamora, S. Dhama, A. A. Al-Shoaibi, K. T. Ganson, A. Testa, M. A. Moreno, O. **Kiss**, et al. Social media use and alcohol sipping in early adolescents: A prospective cohort study. *Substance Use & Misuse*, 59(6):971–976, 2024.

[7] J. M. Nagata, A. Paul, F. Yen, Z. Smith-Russack, I. Y. Shao, A. A. Al-Shoaibi, K. T. Ganson, A. Testa, O. **Kiss**, J. He, et al. Associations between media parenting practices and early adolescent screen use. *Pediatric Research*, pages 1–8, 2024.

[8] J. M. Nagata, C. M. Cheng, J. Shim, O. **Kiss**, K. T. Ganson, A. Testa, J. He, and F. C. Baker. Bedtime screen use behaviors and sleep outcomes in early adolescents: A prospective cohort study. *Journal of Adolescent Health*, 2024.

[9] M. Gombert-Labedens, E. Alzueta, E. Perez-Amparan, D. Yuksel, O. **Kiss**, M. de Zambotti, K. Simon, J. Zhang, A. Shuster, A. Morehouse, et al. Using wearable skin temperature data to advance tracking and characterization of the menstrual cycle in a real-world setting. *Journal of Biological Rhythms*, page 07487304241247893, 2024.

[10] J. Alexander, J. Linkersdörfer, K. Toda-Thorne, R. M. Sullivan, K. M. Cummins, R. L. Tomko, N. B. Allen, K. S. Bagot, F. Baker, B. F. Fuemmeler, O. **Kiss**, et al. Passively sensing smartphone use in teens: Rates of use by sex and across operating systems. *Scientific Reports*, 2024.

[11] A. A. Al-Shoaibi, I. Y. Shao, K. T. Ganson, J. M. Lavender, A. Testa, O. **Kiss**, J. He, D. V. Glidden, F. C. Baker, and J. M. Nagata. Prospective association of screen time with binge-eating disorder among adolescents in the United States: The mediating role of depression. *International Journal of Eating Disorders*, 57(5):1192–1201, 2024.

[12] L. Zhang, O. Kiss, J. Nagata, M. de Zambotti, F. C. Baker, and A. Oshri. Sleep duration moderates the link between youth impulsivity and mature-rated media usage one year later. *Sleep*, 46(Supplement_1):A94–A95, 2023.

[13] D. Yuksel, O. **Kiss**, D. Prouty, N. Arra, L. Volpe, F. C. Baker, and M. de Zambotti. Stress, hypothalamic pituitary adrenal axis activity and autonomic nervous system function in adolescents with insomnia. *International Journal of Psychophysiology*, 187:43–53, 2023.

[14] O. **Kiss**, A. Goldstone, M. de Zambotti, D. Yüksel, B. P. Hasler, P. L. Franzen, S. A. Brown, M. D. De Bellis, B. J. Nagel, K. B. Nooner, et al. Effects of emerging alcohol use on developmental trajectories of functional sleep measures in adolescents. *Sleep*, 46(9):zsad113, 2023.

[15] W. E. Pelham III, S. F. Tapert, M. L. Zúñiga, W. K. Thompson, N. E. Wade, M. R. Gonzalez, H. Patel, F. C. Baker, G. J. Dowling, A. M. Van Rinsveld, Arielle, O. **Kiss**, and S. F. T. Brown, Sandra A. Pandemic-related changes in the prevalence of early adolescent alcohol and drug use, 2020–2021: Data from a multisite cohort study. *Journal of Adolescent Health*, 73(2):338–346, 2023.

[16] J. M. Nagata, N. Smith, S. Alsamman, C. M. Lee, E. E. Dooley, O. **Kiss**, K. T. Ganson, D. Wing, F. C. Baker, and K. P. Gabriel. Association of physical activity and screen time with body mass index among us adolescents. *JAMA Network Open*, 6(2):e2255466–e2255466, 2023.

[17] J. M. Nagata, C. M. Lee, J. H. Yang, O. **Kiss**, K. T. Ganson, A. Testa, D. B. Jackson, A. A. Al-Shoaibi, and F. C. Baker. Sexual orientation disparities in early adolescent sleep: findings from the adolescent brain cognitive development study. *LGBT health*, 10(5):355–362, 2023.

[18] I. M. Colrain, O. **Kiss**, A. Goldstone, D. Clark, B. Hasler, P. Franzen, M. de Zambotti, D. Yuksel, D. Prouty, and F. C. Baker. Relations between sleep and alcohol use during adolescence. *Alcohol*, 109:82–83, 2023.

[19] D. Benedetti, L. Menghini, R. Vallat, R. Mallett, O. **Kiss**, U. Faraguna, F. C. Baker, and M. de Zambotti. Call to action: an open-source pipeline for standardized performance evaluation of sleep-tracking technology. *Sleep*, 46(2):zsac304, 2023.

[20] D. Benedetti, E. Frati, O. **Kiss**, D. Yuksel, U. Faraguna, B. P. Hasler, P. L. Franzen, D. B. Clark, F. C. Baker, and M. de Zambotti. Performance evaluation of the open-source yet another spindle algorithm sleep staging algorithm against gold standard manual evaluation of polysomnographic records in adolescence. *Sleep Health*, 9(6):910–924, 2023.

[21] Q. Zhao, K. Wang, O. **Kiss**, D. Yuksel, M. de Zambotti, D. B. Clark, D. B. Goldston, K. B. Nooner, S. A. Brown, S. F. Tapert, et al. Earlier bedtime and effective coping skills predict a return to low-risk of depression in young adults during the covid-19 pandemic. *International Journal of Environmental Research and Public Health*, 19(16):10300, 2022.

[22] D. Yuksel, O. **Kiss**, D. E. Prouty, F. C. Baker, and M. de Zambotti. Clinical characterization of insomnia in adolescents– an integrated approach to psychopathology. *Sleep Medicine*, 93:26–38, 2022.

[23] D. Yuksel, N. Arra, T. Dulai, L. Volpe, L. Camacho, T. Obilor, C. Hsu, O. **Kiss**, D. Prouty, F. Baker, et al. The first night effect in adolescents with and without insomnia. In *SLEEP*, volume 45, pages A106–A107. OXFORD UNIV PRESS INC JOURNALS DEPT, 2001 EVANS RD, CARY, NC 27513 USA, 2022.

[24] O. **Kiss**, D. Yuksel, D. E. Prouty, F. C. Baker, and M. de Zambotti. A dataset reflecting the multidimensionality of insomnia symptomatology in adolescence using standardized questionnaires. *Data in Brief*, 44:108523, 2022.

[25] O. **Kiss**, M. de Zambotti, D. Yuksel, A. Goldstone, I. Colrain, E. Schaefer, B. Hasler, P. Franzen, D. Clark, and F. Baker. Effects of emerging alcohol use on developmental trajectories of functional sleep measures in adolescents. In *SLEEP*, volume 45, pages A88–A88. OXFORD UNIV PRESS INC JOURNALS DEPT, 2001 EVANS RD, CARY, NC 27513 USA, 2022.

[26] O. **Kiss**, E. Alzueta, D. Yuksel, K. M. Pohl, M. de Zambotti, E. M. Műller-Oehring, D. Prouty, I. Durley, W. E. Pelham III, C. J. McCabe, et al. The pandemic's toll on young adolescents: prevention and intervention targets to preserve their mental health. *Journal of Adolescent Health*, 70(3):387–395, 2022.

[27] M. Paschali, O. **Kiss**, Q. Zhao, E. Adeli, S. Podhajsky, E. M. Müller-Oehring, I. H. Gotlib, K. M. Pohl, and F. C. Baker. Detecting negative valence symptoms in adolescents based on longitudinal self-reports and behavioral assessments. *Journal of Affective Disorders*, 312:30–38, 2022.

[28] J. M. Nagata, J. H. Yang, G. Singh, O. **Kiss**, K. T. Ganson, A. Testa, D. B. Jackson, and F. C. Baker. Cyberbullying and sleep disturbance among early adolescents in the us. *Academic Pediatrics*, 2022.

[29] A. T. Marshall, D. A. Hackman, E. Kan, S. Abad, F. C. Baker, A. Baskin-Sommers, G. J. Dowling, M. R. Gonzalez, M. Guillaume, O. **Kiss**, et al. Location matters: Regional variation in association of community burden of covid-19 with caregiver and youth worry. *Health & place*, 77:102885, 2022.

[30] A. T. Marshall, D. A. Hackman, F. C. Baker, F. J. Breslin, S. A. Brown, A. S. Dick, M. R. Gonzalez, M. Guillaume, O. **Kiss**, K. M. Lisdahl, et al. Resilience to covid-19: Socioeconomic disadvantage associated with positive caregiver– youth communication and youth preventative actions. *Frontiers in public health*, 10:734308, 2022.

[31] S. Iacovides, E. Alzueta, P. Perrin, D. Yüksel, D. Ramos-Usuga, O. **Kiss**, M. de Zambotti, M. Cortes, L. Olabarrieta- Landa, J. Arango-Lasprilla, et al. Effects of long covid on sleep health. *Sleep Medicine*, 100:S77, 2022.

[32] M. de Zambotti, D. Yuksel, O. **Kiss**, G. Barresi, N. Arra, L. Volpe, C. King, and F. C. Baker. A virtual reality- based mind–body approach to downregulate psychophysiological arousal in adolescent insomnia. *DIGITAL HEALTH*, 8:20552076221107887, 2022.

[33] E. Alzueta, P. B. Perrin, D. Yuksel, D. Ramos-Usuga, O. **Kiss**, S. Iacovides, M. de Zambotti, M. Cortes, L. Olabarrieta- Landa, J. C. Arango-Lasprilla, et al. An international study of post-covid sleep health. *Sleep Health*, 8(6):684–690, 2022.

[34] O. **Kiss**, K. Oláh, L. J. Fehér, and J. Topál. Social categorization based on permanent versus transient visual traits in neurotypical children and children with autism spectrum disorder. *Scientific Reports*, 11(1):6549, 2021.

[35] A. Marshall, D. Hackman, F. Baker, F. Breslin, S. Brown, A. Dick, M. Gonzalez, M. Guillaume, O. **Kiss**, K. Lisdahl, et al. Resilience to covid-19: Socioeconomic disadvantage associated with higher positive parent-youth communication and youth disease-prevention behavior. *Research Square*, 2021.

[36] Á. Galambos, A. Gergely, A. B. Kovács, O. **Kiss**, and J. Topál. Affect matters: Positive and negative social stimulation influences dogs' behaviour in a subsequent situation involving an out-of-reach object. *Applied Animal Behaviour Science*, 236:105242, 2021.

[37] H. Bolló, O. **Kiss**, A. Kis, and J. Topál. The implicit reward value of the owner's face for dogs. *Iscience*, 24(8), 2021.

[38] E. Alzueta, S. Podhajsky, Q. Zhao, S. F. Tapert, W. K. Thompson, M. De Zambotti, D. Yuksel, O. **Kiss**, R. Wang, L. Volpe, et al. Risk for depression tripled during the covid-19 pandemic in emerging adults followed for the last 8 years. *Psychological medicine*, pages 1–8, 2021.

[39] O. **Kiss**, A. Kis, K. Scheiling, and J. Topál. Behavioral and neurophysiological correlates of dogs' individual sensitivities to being observed by their owners while performing a repetitive fetching task. *Frontiers in Psychology*, 11:1461, 2020.

[40] A. Gergely, O. **Kiss**, V. Reicher, I. Iotchev, E. Kovács, F. Gombos, A. Benczúr, Á. Galambos, J. Topál, and A. Kis. Reliability of family dogs' sleep structure scoring based on manual and automated sleep stage identification. *Animals*, 10(6):927, 2020.

[41] O. **Kiss** and J. Topál. How do dogs monitor the human's attentional state after challenged by the presence of forbidden food? *Biologia Futura*, 70(2):103–111, 2019.

[42] O. **Kiss**, K. Kovács, F. Szánthó, and J. Topál. Similarity between an unfamiliar human and the owner affects dogs' preference for human partner when responding to an unsolvable problem. *Learning & Behavior*, 46:430–441, 2018.

[43] O. **Kiss**. Responsiveness to social-affective signals in dogs and humans: Neurocognitive and comparative perspectives. *PhD Thesis*, 2018.

[44] J. Topál and O. **Kiss**. How and why have the dogs become the new "chimpanzees" for cognitive scientists? *Magyar Pszichológiai Szemle*, 72(4):591–608, 2017.

[45] K. Oláh, F. Elekes, B. Turcsán, O. **Kiss**, and J. Topál. Social pre-treatment modulates attention allocation to transient and stable object properties. *Frontiers in Psychology*, 7:216408, 2016.