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<https://www.psychologie.uzh.ch/de/bereiche/dev/geronto/team/bdemiray.html>

https://www.hlc.uzh.ch/en/people/group_leaders/bdemiray.html



Professional Positions

2022 - present	Research and Innovation Group Leader “Cognno”, University of Zurich Healthy Longevity Center
2020 - present	Founder and Manager OldSchool “An e-learning concept and platform for seniors”
2018 - present	Community Member, University of Zurich Digital Society Initiative, Communities “Education” and “Health”
2018 - 2020	Senior Research Fellow, University of Zurich - ETH - ZHdK Collegium Helveticum, Project Coordinator “Semantic Health Text Analytics”
2015 - 2020	Senior Researcher, University of Zurich University Research Priority Program “Dynamics of Healthy Aging”
2015 - 2021	Research Group Leader “Semantic Activity Analytics for Healthy Aging”, University of Zurich Department of Psychology, Chair of Gerontopsychology*
2013 - 2015	Research Associate, University of Zurich Department of Psychology, Chair of Gerontopsychology*
2011 - 2013	Postdoctoral Researcher, University of Zurich Department of Psychology, Chair of Developmental Psychology: Adulthood*

Education

2010	University of Florida, Gainesville Ph.D. in Developmental Psychology, Advisor: Prof. Susan Bluck Dissertation “ <i>Autobiographical memory functions and psychological well-being in young adulthood and midlife</i> ”
2006	Koç University, Istanbul M.A. in Developmental Psychology, Language of Instruction: English Thesis “ <i>Middle-aged and older adults’ autobiographical memories: Their lifespan distribution, content and phenomenological qualities</i> ”
2004	Koç University, Istanbul B.A. in Psychology, Language of Instruction: English

* Employment at 75%.

Maternity leave: Feb 2015 – Oct 2015.

Reduced employment due to childcare (60%): Nov 2015 – Nov 2017.

Honors & Awards

2022	Vontobel Foundation Vontobel Award for Research on Age and Aging Senior author in winning paper
04. & 05. 2020	Versus Virus Hackathon I & II, Swiss Federation Winner in both Hackathons with Project OldSchool (15'200 Swiss Francs)
2019	Vontobel Foundation Vontobel Award for Research on Age and Aging (12'500 Swiss Francs) First author in winning paper " <i>Reminiscence in everyday conversations: A naturalistic observation study of older adults</i> "
2011 - 2013	Swiss Academy of Humanities and Social Sciences (SAGW) Travel award
2011	The Gerontological Society of America Best Dissertation Award in Behavioral and Social Sciences (2011)
2010	University of Florida, Gainesville Ferguson Memorial Award (merit-based)
2009	University of Florida, Gainesville Best Dissertation Award from the Psychology Department
2007 - 2009	University of Florida, Gainesville Travel Award from Graduate Student Council & Department of Psychology Travel Award from College of Liberal Arts and Sciences
2006	The Society for Applied Research in Memory and Cognition, USA Travel award
2005	New Bulgarian University, Sofia, Bulgaria International Summer School in Cognitive Science with Full scholarship
2004 - 2006	Koç University, Istanbul Full scholarship: MA Program in Developmental Psychology
2001 - 2004	Koç University, Istanbul Dean's Honor Roll: based on academic excellence and GPA

Innovation & Entrepreneurship

Courses/Programs completed:

03. 2023 - present	SEIF Impact Academy: Social innovation academy for founders
09. 2022 - 03. 2023	Feminno Program, ETH & UZH (Female Innovation and Career Development in Sciences)
10 - 12. 2021	UZH, Innovation Hub, Digital Entrepreneurship Coaching for OldSchool
07. 2020 - 02. 2021	Innosuisse Initial Startup Coaching for OldSchool
09. 2020 - 01. 2021	SEIF Impact Academy with OldSchool
09. 2020 - 01. 2021	Samsung's Solve for Tomorrow Program (OldSchool was final winner)
09. - 12. 2020	Bluelion's LikeMinded Accelerator with OldSchool (acceptance rate: 14%)
05. - 09. 2020	Swiss Innovation Challenge 2020, Business development courses

- 05. - 11. 2020 Versus Virus Incubation Program with OldSchool
- 05. - 06. 2020 Social Business Creation Course (SEIF & Startup Campus)
- 09. - 12. 2019 Innosuisse Startup Training: Business Concept Course over a semester
- 09. - 12. 2019 Digital Entrepreneurship Bootcamp, Innovation Hub, UZH

Pitches of OldSchool:

- 03. 2023 Feminno Program (UZH & ETH), Graduation Pitch
- 11. 2022 Female Founder Pitch Event, Sandborn & University of St. Gallen
- 06. 2021 University of Zurich, Innovation Hub, Digital Entrepreneurship Cluster
- 04. 2021 Versus Virus Hackathon, 1st Anniversary Event
- 01. 2021 Samsung's Solve for Tomorrow Program, Winner of Final Pitch Event
- 01. 2021 Active Assisted Living Programme (EU Funding) Event
- 12. 2020 Bluelion LikeMinded Accelerator Program, Final pitch
- 11. 2020 Versus Virus Incubation Program, Graduation pitch
- 11. 2020 Impact Hub Zurich, Open Hub Day, Startup Pitches
- 06. 2020 Swiss Innovation Challenge 2020 (passed the 1st competition stage, 50% pass)
- 06. 2020 Women in Digital Health Association, General Assembly

Invited talks:

- 05. 2023 AGE-INT Exchange "Age and Technology", Ostschweizer Fachhochschule
- 05. 2021 Research Colloquium Talk "An e-learning concept for generation 55+"
University Research Priority Program "Dynamics of Healthy Aging", UZH
- 04. 2021 Speaker at Panel "What can European cognitive aging researchers contribute to the WHO Decade of Healthy Aging 2020-2030?"
Conference of the European Cognitive Aging Society
- 11. 2020 Swiss Digital Days 2020, Impuls Talk
<https://digitaltage.swiss/en/programm/impuls-talk-university-of-zurich/>
- 07. 2020 Keynote at Open 17, Summer School "Innovating for a Sustainable Post-Pandemic World"
- 02. 2020 Speaker at panel "Towards a Sustainable Europe with Transdisciplinary Research": The Mission of Switzerland to the European Union, Brussels & SwissCore (Contact Office for European Research, Innovation and Education)

Coaching:

- 07. 2020 Coach on healthy aging (coaching students on startup projects about aging)
Open 17, Summer School

Interviews:

- 12. 2020: UZH News; <https://www.news.uzh.ch/de/articles/2020/Autobiografie.html>
- 06. 2020: Impact Hub Newsletter, RonOrp Magazine: https://www.ronorp.net/zurich_en/ron-s-tips/leisure.593/cityscribes.643/oldschool-distance-learning-platform-for-senior-citizens.1952895
- 05. 2020: Versus Virus Hackathon II, Live-stream online interview at the Hackathon
- 04. 2020: UZH News; <https://www.news.uzh.ch/de/articles/2020/OldSchool.html>

04. 2020: Migros Magazine: <https://www.migros.ch/de/Magazin/2020/Hackaton.html>

04. 2020: UZH Annual Report, Article on my entrepreneurial profile “Vom Bootcamp zum Start-up”

Teaching

University of Zurich, Psychology Department

Spr 2022 & 2023	Innovation in Healthy Longevity (undergrad. seminar)
Fall & Spr 2020	Real-life Memory and Healthy Aging (undergrad. seminar)
Fall & Spr 2019	Real-life Cognitive Activities and Healthy Aging (undergrad. seminar)
Spr 2018	Cognitive Activities in the Real World (undergraduate seminar)
Fall 2014	Memory in the Real World (graduate seminar)
Fall 2013	Autobiographical Memory in Late Life (graduate seminar)
Spr 2012	Autobiographical Memory Across the Life Span (undergrad. seminar)
Fall 2011	Psychology of Love (graduate seminar)

University of Florida, Psychology Department

Spr 2010	Research Methods in Developmental Psychology Laboratory (undergraduate)
Spr 2009	Introduction to Psychology (large undergraduate lecture)

Teaching Assistant:

2010	Research Methods in Developmental Psychology (undergraduate)
2009	Introduction to Psychology (large undergraduate lecture)
2008 & 2009	Measurement, Design and Statistics I & II (PhD level) (elected as TA due to own outstanding performance in these 2 courses)
2007 & 2008	Developmental Psychology (undergraduate, in class & web-based)

Koç University, Psychology Department

2005- 2006	Assistant Instructor: Introduction to Psychology
2005	Teaching Assistant: Psychology of Testing and Measurement
2004- 2005	Teaching Assistant: Research Methods in Psychology

Mentoring (most recent, since 2015)

Ph.D. thesis: Minxia Luo, “*Cognitive Aging and Language Complexity: Variations across Interlocutors as Contexts in the Real World*” (Defended in 2020)

Master’s theses (14):

Completed: Sarah Untersander, Marianne Mischler, Mirjam Imfeld, Elisabeth Schoch, Caroline Winkler, Eliana Brianza, Cornelia Ursprung, Leah Knecht

Ongoing: Laura Breitfelder, Kathrin Inerle, Irena Stanisic, Julia Sulzmann, Aline Dietsche, Fabienne Joos

Bachelor’s theses (12): Andra Arnicane, Olenka Dworakowski, Christine Tusz, Lucas Baeriswyl, Melanie Bamert, Florian Eschenmoser, Meret Santschi, Anna Buschor, Irena Stanisic, Tatjana Häfliger, Deborah Miggiano (ongoing), Julia Jakubowski (ongoing)

Research interns (28): Annika Martin, Zoe Wälchli, Isabel Berwian, Oliver Lohse, Andra Arnicane, Nathalie de Peri, Joelle Barthassat, Marion Hauert, Marianne Mischler, Martina Preisig, Leonie Pahud, Laura Nanz, Charlotte Kukowski, Melanie Bamert, Celine Cheng, Anja Vandersmissen, Claudio

Ludwig, Elia von Moos, Chiara Carrel, Sofie Künzle, Kathrin Inerle, Irena Stanisic, Pia Tremel, Nour Hatem, Vanessa Hackmann, Oliver Hliddal, Cornelia Ursprung, Leah Knecht

Career Mentoring (2): Ayse Defne Akalin, Elif Yilmaz

4th year Bachelor's students in Psychology (Koc University, Istanbul): Monthly Zoom meetings with each student to plan their internships, graduate study applications, job applications, career steps, as well as building their network, CV checks)

Grants and Fellowships

2023 - 2024	Digitalization Initiative of the Zurich Higher Education Institutions (DIZH) Innovation Programme, Project Call 2022 PI for Project " <i>Revolutionizing education60+: Digital lifelong learning</i> " (299'169 CHF from DIZH + 299'169 CHF from UZH & ZHAW)
2022 - 2024	Erasmus+ Cooperation Partnerships in Higher Education (KA2) PI for Erasmus+60 Project, Part " <i>Development of digital lifelong learning tools</i> " (43'700 EUR, Total budget for 7 universities: 274'934 EUR)
2020 - 2021	Innosuisse Initial Startup Coaching for OldSchool (5'000 CHF)
2012 - 2018	University of Zurich, Founder and Leader of Peer-Mentoring Group " <i>Statistical Analyses with R Language</i> " (33'500 CHF)
2014	Swiss National Science Foundation International Research Visit Fund (visited University of Arizona)
2013 - 2014	University of Zurich, Competitive Research Innovation Fund PI for Project " <i>Functional approach to memory and well-being across the adult lifespan</i> " (65'641 CHF)
2012 - 2013	Suzanne and Hans Biäsch Foundation, Competitive Applied Psychology Fund PI for Project " <i>Ecological approach to autobiographical memory and well-being in the context of healthy aging</i> " (36'540 CHF)
2007 - 2010	University of Florida, College of Liberal Arts and Sciences Grinter Fellowship (merit-based)
2010	University of Florida The Jacquelin Goldman Summer Fellowship (merit-based)

Professional service / Organizational commitment

2023 - present	Member of Association of Junior Researchers, University of Zurich Working Group "Internationalization of the Department of Psychology"
2020 - 2022	Founding Member Women in Digital Health Association
2020 - present	Member of Governing Board Society for Applied Research on Memory and Cognition (SARMAC)

2020 - 2023	Member of Editorial Board Journal of Gerontopsychology and Geriatric Psychiatry (GeroPsych)
2019	Guest Editor, Journal of Gerontopsychology and Geriatric Psychiatry
2016 - present	<u>Grant Development Support (PI: Prof. Mike Martin):</u> University Research Priority Program "Dynamics of Healthy Aging", Phase II & III (12 Mio CHF, 2017-2023) National Research Program, 77 Digital Transformation (10 Mio CHF, 2019-2023) Citizen Science Platform Zurich (1.25 Mio CHF, 2017-2020)
2012 - 2019	Peer-Mentoring Program, Graduate Campus, University of Zurich Founder and Leader of Peer-Mentoring Group " <i>Statistical Analyses with R</i> " (Applying for funding, leading the group, organizing statistics workshops, activities and meetings for group members in PhD and postdoctoral levels)
09. 2010 - 02. 2011	Lab Manager: Koc University, Research in Applied Memory Lab, Prof. Sami Gülgöz (Leading projects, training assistants, running meetings)
2009 - 2010	Lab Manager: University of Florida, Life Story Lab (Prof. Susan Bluck) (Recruiting assistants, training assistants, running meetings, assigning tasks)

Organization of Workshops/Conferences

04. 2021	Scientific Committee member of the Society for Applied Research in Memory and Cognition Conference, 2021
2020 - present	Several workshops with senior citizens on digitalization and digital skills Usability testing of digital learning tools with seniors, OldSchool, UZH
12. 2020	Scientific Committee of the Society for Ambulatory Assessment Conference
11. 2020	3rd International interdisciplinary workshop on "Semantic Analysis of Multi-Scale Health Dynamics" at Collegium Helveticum
2019 - 2020	"Careers outside of academia" talk series for Postdocs, with invited speakers Peer-Mentoring Program, Graduate Campus, UZH
09. 2019	Workshop "Regulating Algorithms for Health?" at Collegium Helveticum
04. 2019	Scientific Committee of the 5 th Aging and Cognition Conference European Cognitive Ageing Society (EUCAS)
03. 2019	2nd International interdisciplinary workshop on "Semantic Analysis of Multi-Scale Health Dynamics" at Collegium Helveticum
2016 - present	MADOKO: Master's and Doctoral Students Conference Department of Psychology, UZH (Supporting students with their presentations, acting as judge for best poster prize)

2012 - 2019 Numerous workshops on statistical analyses in R (e.g., multilevel modeling, structural equation modeling, power analyses, longitudinal analyses)
Peer-Mentoring Program, Graduate Campus, UZH

Participation in Workshops/Courses (most recent)

04. 2023	Third-Age Learning Perspectives in Modern Society, Online Hackathon University of Latvia
04. 2023	Data Protection Workshop, Law and Ethics Research Group Digital Society Initiative, UZH
10. 2022	Digital Health Day 2022, Swiss Healthcare Startups
10. 2022	Digital Health Startup Evening, Digital Health Center, Bülach
10. 2022	“The many ways social relationships are related to healthy aging” Workshop Collegium Helveticum, ETH & UZH
09. 2022	Digital Health Lab Day “Smart healthcare and digital innovation”, ZHAW
09. 2022	#WeTechTogether Conference, TechFace (Tech for women), Zurich
06. 2022	2 nd Healthy Longevity Innovation Days, UZH
02. 2022	Design Your Life Workshop, Girls in Tech Switzerland
11. 2021	BrainFit4Life Symposium “Implementation of Global Technologies for Brain Health”, BrainFit4Life
10. 2021	#WeTechTogether Conference, TechFace (Tech for women), Zurich
06.2021	1 st Healthy Longevity Innovation Days, UZH
09. 2020	#WeTechTogether Conference, TechFace (Tech for women), Zurich
Spr 2020	Career coaching sessions from Career Services, UZH & Career coaching sessions from Graduate Campus, UZH
12. 2019	Lateral Leadership Workshop, Graduate Campus, UZH
11. 2019	Annual workshop of the Swiss Network for Well-Being and Aging, Swiss Academy of Humanities and Social Sciences & UZH
10. 2019	Project Management for Researchers Workshop, Graduate Campus, UZH
09. 2019	Workshop on “Text Analytics for Health: Applications and Implications”, Digital Society Initiative, UZH
09. 2018	Data Management Workshop, Graduate Campus, UZH

Research Stays with Invited Talks

Oct 2019	University of Rostock, Institute of Computer Science
Jun 2019	Tilburg University, Department of Cognitive Science & Artificial Intelligence
Oct 2018	University of Geneva, Cognitive Aging Lab
Oct 2016	University of Aarhus, Center on Autobiographical Memory Research
Sep 2016	Koc University, Istanbul, Research in Applied Memory Laboratory
Aug 2014	University of Arizona, Department of Psychology
Apr 2014	Bogazici University, Computer Engineering Department, Istanbul
Mar 2014	University of Louvain, Department of Psychology, Belgium

Ad-hoc Reviewer

Psychology and Aging, Developmental Psychology, Gerontology, GeroPsych, Frontiers in Psychology, European Journal of Ageing, Aging and Mental Health, International Journal of Behavioral Development, Applied Cognitive Psychology, Memory, Emotion, Journal of Cognitive Psychology, Journal of General Psychology, Journal of Individual Differences, Journal of Happiness Studies, Journal of Social and Personal Relationships, Identity, Advances in Cognitive Psychology, PLOS ONE

Professional affiliations

Digital Society Initiative (DSI), University of Zurich
 Society for Ambulatory Assessment (SAA)
 American Psychological Association (APA)
 The Society for Applied Research in Memory and Cognition (SARMAC)
 Gerontological Society of America (GSA)
 European Cognitive Aging Society (EUCAS)
 Impact Hub Zurich

Languages

Turkish: Mother tongue
 English: Fluent
 German: Intermediate (B1 Level, TELC Certificate)

Publications (* = Student co-author)

Luo, M. *, Ferrario, A., Polsinelli, A. J., Moseley, S. A., Mehl, M. R., Yordanova, K., Martin, M., & **Demiray, B.** (2022). Predicting working memory in healthy older adults using real-life language and social context information: A machine learning approach. *Journal of Medical Internet Research, Research Protocols*, 5(1): e28333.

Luo, M. *, Debelak, R., Schneider, G., Martin, M., & **Demiray, B.** (2020). With a little help from familiar interlocutors: Real-world language use in young and older adults. *Aging & Mental Health*, 1-10.

Luo, M. *, Neysari, M., Schneider, G., Martin, M., & **Demiray, B.** (2020). Linear and non-linear age trajectories of language use: A laboratory observation study of couples' conflict conversations. *Journals of Gerontology, Series B: Psychological Sciences and Social Sciences*.

Demiray, B. (2020). The interpersonal focus and specificity of autobiographical memories: Theoretical relevance and methodological considerations. *Journal of Gerontopsychology and Geriatric Psychiatry*, Editorial. <https://doi.org/10.1024/1662-9647/a000222>

Demiray, B., Luo, M. *, Tejada-Padron, A. & Mehl, M. R. (2020). Sounds of healthy aging: Assessing everyday social and cognitive activity from ecologically sampled ambient audio data. In P. Hill & M. Allemand (Eds.), *Personality and Healthy Aging in Adulthood: New Directions and Techniques*. Springer.

Brianza, E. * & **Demiray, B.** (2019). Future time perspective and real-life utterances about the future in young and older adults. *Journal of Gerontopsychology and Geriatric Psychiatry*, 32(4), 161–173. <https://doi.org/10.1024/1662-9647/a000216>

Luo, M. *, Robbins, M., Martin, M., **Demiray, B.** (2019). Real-life language use across different interlocutors: A naturalistic observation study of adults varying in age. *Frontiers in Psychology*. DOI: 10.3389/fpsyg.2019.01412

Luo, M. *, Schneider, G., Martin, M., & **Demiray, B.** (2019). Cognitive aging effects on language use in real-life contexts: A naturalistic observation study. In A.K. Goel, C.M. Seifert, & C. Freksa (Eds.), *Proceedings of the 41st Annual Conference of the Cognitive Science Society* (pp. 714-720). Montreal, QB: Cognitive Science Society. Retrieved from <https://mindmodeling.org/cogsci2019/papers/0140/index.html> (Acceptance rate: 25 %)

Lind, M., **Demiray**, B., & Bluck, S. (2019). Identifying distinct sets of predictors of specific functions of autobiographical memory. *Memory*. <https://doi.org/10.1080/09658211.2019.1639759>

Wolf, T., & **Demiray**, B. (2019). The mood-enhancement function of autobiographical memories: Comparisons with other functions in terms of emotional valence. *Consciousness and Cognition*, *70*, 88-100.

Ece, B., **Demiray**, B., Öner, S., & Gülgöz, S. (2019). Comparison of earliest and later autobiographical memories in young and middle-aged adults. *Studies in Psychology*, *39*(1), 1-34.

Demiray, B., Mehl, M. R., & Martin, M. (2018). Conversational time travel: Evidence of a retrospective bias in real life conversations. *Frontiers in Psychology*. <https://doi.org/10.3389/fpsyg.2018.02160>.

Ece, B., **Demiray**, B., & Gülgöz, S. (2018). Consistency of adults' earliest memories across two years. *Memory*, *27*(1), 28-37.

Demiray, B., Mischler, M. *, & Martin, M. (2017). Reminiscence in everyday conversations: A naturalistic observation study of older adults. *The Journals of Gerontology: Series B*. <https://doi.org/10.1093/geronb/gbx141>

Demiray, B., & Freund, A. M. (2017). The psychological distance of memories: Examining causal relations with mood and self-esteem in young, middle-aged and older adults. *Consciousness and Cognition*, *49*, 117-131.

Demiray, B., & Freund, A. M. (2015). Michael Jackson, Bin Laden and I: Functions of positive and negative, public and private flashbulb memories. *Memory*, *23*(4), 487-506.

Demiray, B., & Janssen, S. M. J. (2015). The self-enhancement function of autobiographical memory. *Applied Cognitive Psychology*, *29*(1), 49-60.

Maki, Y., Kawasaki, Y., **Demiray**, B., & Janssen, S. M. J. (2015). Autobiographical memory functions in young Japanese men and women. *Memory*, *23* (1), 11-24.

Demiray, B., & Bluck, S. (2014). Time since birth and time left to live: Opposing forces in constructing psychological well-being. *Ageing and Society*, *34*(07), 1193-1218.

Demiray, B., & Bluck, S. (2011). Relation of the conceptual self to recent and distant autobiographical memories. *Memory*, *19* (8), 975-992.

Bluck, S., Alea, N., & **Demiray**, B. (2010). You get what you need: The psychosocial functions of remembering. In J. Mace (Ed.), *The act of remembering: Toward an understanding of how we recall the past* (pp. 284–307). UK: Blackwell Publishing Ltd.

Demiray, B., Gülgöz, S., & Bluck, S. (2009). Examining the life story account of the reminiscence bump: Why we remember more from young adulthood. *Memory*, *17*, 708-723.

Methodological papers

Schindler, D., Spors, S., **Demiray**, B., & Krüger, F. (2022). Automatic behavior assessment from uncontrolled everyday audio recordings by deep learning. *Sensors*, 22(22):8617.

Stoev, T., Ferrario, A., **Demiray**, B., Luo, M.*, Martin, M., & Yordanova, K. (2021). Coping with imbalanced data in the automated detection of reminiscence from everyday life conversations of older adults. *IEEE Access*, 9, 116540-116551.

Ferrario, A., **Demiray**, B., Yordanova, K., Luo, M. *, & Martin, M. (2020). Social reminiscence in older adults' everyday conversations: Automated detection using natural language processing and machine learning. *Journal of Medical Internet Research*, 22(9), e19133.

Yordanova, K., **Demiray**, B., Mehl, M. R., & Martin, M. (2019). Automatic detection of everyday social behaviors and environments from verbatim transcripts of daily conversations. *IEEE International Conference on Pervasive Computing and Communications (PerCom 2019)*. (Acceptance rate: 16 %)

Hernandez, N., **Demiray**, B., Arnrich, B., & Favela, J. (2019). An exploratory study to detect temporal orientation using bluetooth's sensor. *In the 13th International Conference on Pervasive Computing Technologies for Healthcare (PervasiveHealth'19)*, May 20–23, 2019, Trento, Italy.

Londral, A., **Demiray**, B., & Cheetham, M. (2018). Quantification of the Voicescape: A person-centric approach to describing real-life behavior patterns: A case study comparing two age groups. *In Proceedings of the 11th International Joint Conference on Biomedical Engineering Systems and Technologies (BIOSTEC) - Volume 4: BIOSIGNALS*, pages 311-314.

Demiray, B. (2018). Otobiyografik bellek arařtırmalarında kullanılan yöntemler ve metodolojik gelişmeler (Methods in autobiographical memory research). In S. Gülgöz, B. Ece, & S. Öner (Eds.), *Hayatı hatırlamak: Otobiyografik Belleğin Psikolojisi*. Koc University Publishing.

Hernández, N., Arnrich, B., Favela, J., Ersoy, C., **Demiray**, B., & Fontecha, J. (2017). A multi-site study on walkability, data sharing and privacy perception using mobile sensing data gathered from the mk-sense platform. *Journal of Ambient Intelligence and Humanized Computing*, 1-13. <https://doi.org/10.1007/s12652-017-0642-x>.

Hernández, N., Arnrich, B., Favela, J., Yavuz, G. R., Ersoy, C., **Demiray**, B., & Fontecha, J. (2016, January). mk-sense: An extensible platform to conduct multi-institutional mobile sensing campaigns. *In Ubiquitous Computing and Ambient Intelligence*. (pp. 207-216). DOI: 10.1007/978-3-319-48746-5_21

Hernández, N., Yavuz, G. R., Eşrefođlu, R. M., Kepez, T. B., Özdemir, A., **Demiray**, B., Alan, H. F., Ersoy, C., Untersander, S., & Arnrich, B. (2015, December). Thought and life logging: A pilot study. *In International Conference on Ubiquitous Computing and Ambient Intelligence* (pp. 26-36). Springer International Publishing. DOI: 10.1007/978-3-319-26401-1_3

Policy paper:

Martin, M., Mroczek, D. K., Clare, L., Röcke, C., Mérellat, S., & **Demiray**, B. (2017). Intrinsic capacity and functional ability: How to operationalize it through the use of individual data, criteria for measurement, data standards and use in modelling outcomes of interest, and key gaps. *Background Paper for World Health Organization (WHO) Working Group on*

Metrics and Research Standards in Healthy Aging, 27-31. March, 2017, Geneva.

Manuscripts in preparation:

Demiray, B., Neff, P., Martin, M. & Röcke, C. (under review). The relation between older adults' cognitive abilities in the lab and frequency of natural speech in everyday life. *Psychology and Aging*.

Demiray, B. & Ferrario, A. (under review). Understanding reminiscence and its negative functions in the everyday conversations of young adults: A machine learning approach. *Heliyon*.

Tidwell, C., et al. (under review). Are women really (not) more talkative than men? A registered replication of binary gender similarities/differences in daily word use. *Nature, Human Behavior*.

Conference presentations since 2016 (* = Student co-author)

Brom, J., Demiray, B. & Marcen Cruz, E. (2023). *It is never too late to learn: Is higher education ready to welcome over 60s?* Speaker at Panel at the European Association for International Education (EAIE) Conference, Rotterdam, Netherlands.

Demiray, B. & Liao, H. (2023). *Implications of mental time travel for positive development in adulthood and old age.* Co-chair of symposium at the Society for Applied Research on Memory and Cognition, 14th Biennial Meeting, Nagoya, Japan.

Demiray, B., Mayer, Z.* , & Röcke, C. (2023). *Spontaneous thoughts about the past versus the future: An experience sampling study of older adults.* Paper presented at the Society for Applied Research on Memory and Cognition, 14th Biennial Meeting, Nagoya, Japan.

Breitfelder, L.* & Demiray, B., Röcke, C. (2023). *Examining the relationship between working memory and mind wandering in the everyday lives of older adults.* Poster presented at the Society for Applied Research on Memory and Cognition, 14th Biennial Meeting, Nagoya, Japan.

Breitfelder, L.* , Demiray, B., & Röcke, C. (2023). *Examining the relationship between working memory and mind wandering in the everyday lives of older adults.* Paper presented at the EUCAS 7th Aging & Cognition Conference, Leuven, Belgium.

Neff, P., Demiray, B., Martin, M. & Röcke, C. (2023). *The relation between older adults' cognitive abilities in the lab and frequency of natural speech in everyday life.* Poster presented at the Society of Ambulatory Assessment Meeting, Amsterdam, Netherlands.

Demiray, B. & Ferrario, A. (2022). *Reminiscing about the past with others in everyday life: A naturalistic observation study of young and older adults.* Poster presented at CON AMORE Conference on Autobiographical Memory in Ageing and Dementia, Aarhus, Denmark.

Demiray, B. & Luo, M.* (2020). *Sounds of healthy aging: Assessing everyday cognitive activity from real-life audio data.* Chair of Symposium at Gerontological Society of America, Annual Scientific Meeting Online.

Demiray, B. & Luo, M.* (2020). *Sounds of healthy aging: Assessing everyday cognitive activity from real-life audio data.* Paper presented at the BrainFit4Life Online Symposium.

Jeszszky, P., Demiray, B., Steiner, C., & Leemann, A. (2020). *Towards a regionally representative and socio-demographically diverse resource of Swiss German*. Paper presented at the 5th SwissText & 16th KONVENS Joint Conference 2020.

Demiray, B., Luo, M. * & Martin, M. (2019). *People laugh more while talking about their personal past than their future: Functions of conversational time travel in the real world*. Paper presented at the Society for Applied Research on Memory and Cognition, 13th Biennial Meeting, Cape Cod, USA.

Demiray, B., Luo, M. * & Martin, M. (2019). *People laugh more while talking about their personal past than their future: Functions of conversational time travel in the real world*. Paper presented at the International Convention of Psychological Science, Paris, France.

Demiray, B., Röcke, C., Allemand, M., & Martin, M. (2019). *Automatic extraction of information on social connection from real-life audio data: Relations with well-being in late life*. Poster presented at the 5th International Conference Aging & Cognition, Zurich, Switzerland.

Luo, M. *, Schneider, G., Martin, M., & Demiray, B. (2019). *Interlocutor effects on real-life language use in young and older adults: A naturalistic observation study*. Poster presented at the 5th International Conference Aging & Cognition, Zurich, Switzerland.

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