


Curriculum vitae - Hannah Lönneker

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 @HLoenneker, ORCID iD: 0000-0003-0327-6507, ResearchGate profile

Education

since 10/2023	Psychotherapist in training , <i>AVM e.V.</i> , Göttingen
since 09/2019	PhD student , <i>Diagnostics and Cognitive Neuropsychology</i> , Tübingen
10/2017 - 05/2019 Master thesis	M.Sc. in Psychology, University of Tübingen <i>Hertie Institute for Clinical Brain Research</i> , Tübingen: „Mild Activity of Daily Living Impairment as a Risk Factor for Cognitive Decline in Parkinson’s Disease: Follow-up Assessment of the Erlangen Test of Activities of Daily Living in Persons with Mild Dementia or Mild Cognitive Impairment“ (Prof. Dr. Hautzinger, PD Dr. Liepelt-Scarfone)
09/2016 - 02/2017	Erasmus semester , Universidad de Granada (Spain)
10/2013 - 09/2017 Bachelor thesis	B.Sc. in Psychology, University of Tübingen <i>Diagnostics and Cognitive Neuropsychology</i> , Tübingen: „Linguistic influences on numerical cognition: How do grammatical factors interact with the SNARC effect in English?“ (Prof. Dr. Nürk, Dr. Cipora, Dr. Soltanlou)
08/2004 - 06/2012	Abitur , unesco project school Hainberg Gymnasium, Göttingen

Academic and clinical experience

01/2024 - 06/2025	Psychologist, <i>Clinic for Psychiatry & Psychosomatics, Elbe Kliniken</i> , Stade
07/2019 - 12/2023	Doctoral Researcher, <i>Diagnostics and Cognitive Neuropsychology</i> , Tübingen
10/2018 - 06/2019	Tutor for diagnostic and report writing, Tübingen
05/2018 - 07/2018	Research intern, <i>Charité: Clinic for Anesthesia</i> , Berlin
03/2018 - 04/2018	Clinical intern, <i>Day clinic for Psychosomatics</i> , Tübingen
10/2017 - 06/2019	Clinical assistant, <i>Out-patient child & adolescent psychotherapy Pflüger</i>
08/2017 - 09/2017	Research intern, <i>German Primate Center</i> , Göttingen
03/2017 - 03/2019	Research assistant, <i>Clinic for Psychosomatics</i> , Tübingen
02/2016 - 04/2016	Clinical intern, <i>Schmieder Clinic for Neurological Rehabilitation</i> , Gerlingen
05/2015 - 08/2016	Research assistant, <i>Diagnostics and Cognitive Neuropsychology</i> , Tübingen

Teaching experience

Winter 2023/24	Seminar <i>Diagnostics of performance and anxiety</i>
Summer 2023	Seminar <i>Intra-/interindividual differences and replication</i>
Winter 2022/23	Seminar <i>Giftedness diagnostics and neuropsychological diagnostics</i>
Winter 2021/22	Seminar <i>Neuropsychology and aging</i>
Summer 2020	Practical seminar <i>The mental number line</i>
Winter 2019/20	Seminar <i>Diagnostics of dyscalculia</i> Seminar <i>Teaching and learning numeracy in early childhood</i>
Summer 2019	Practical seminar <i>Diagnostics of performance and personality in children</i>

Funding and associations

June 2023	Conference allowance, SIPS2023 (Italy), 440€, <i>Friedrich-Ebert-Stiftung</i>
June 2023	Conference allowance, MCLS2023 (UK), 545€, <i>Friedrich-Ebert-Stiftung</i>
19/ - 22/09/2023	Workshop funding over 4981€, <i>Excellence Initiative Tübingen</i>
June 2022	Conference allowance, MCLS2022 (Belgium), 600€, <i>Friedrich-Ebert-Stiftung</i>
03/2022 - 12/2023	”Partnership Engage Grant“, \$24,923, <i>University of Western Ontario</i>
02/2021 - 01/2022	Research grant over 3853.50€, <i>Wilhelm Schuler-Stiftung</i>
10/2020 - 09/2023	Dissertation stipend, <i>Friedrich-Ebert-Stiftung</i>
04/2020 - 09/2020	Dissertation stipend, <i>Landesgraduiertenförderung Baden-Württemberg</i>

Publications in peer-reviewed journals

- Loenneker, H.D., Buchanan, E.M.*, Martinovici, A.*, Primbs, M.A.*, Elsherif, M.M., Baker, B.J., Dudda, L.A., Durdevic, D.F., Misic, K., Peetz, H.K., Röer, J.P., Schulze, L., Wagner, L., Wolska, J.K., Kührt, C.*, & Pronizius, E.* (2024). We don't know what you did last summer. On the importance of transparent reporting of reaction time data pre-processing. *Cortex*, 172, 14-37. <https://doi.org/10.1016/j.cortex.2023.11.012>
- Loenneker, H.D., Liepelt-Scarfone, I., Willmes, K., Nuerk, H.-C., & Artemenko, C. (2022). Arithmetic deficits in Parkinson's Disease? - A registered report. *In-principle acceptance from PCI Registered Reports*. <https://doi.org/10.17605/OSF.IO/NB5FJ>
- Loenneker, H., Huber, J., Artemenko, C., Heller, J., & Nuerk, H.C. (2022). Realitätscheck Open Science in der universitären Lehre. *Psychologische Rundschau*, 73(1), 18 - 52. <https://doi.org/10.1026/0033-3042/a000577>
- Loenneker, H.D., Becker, S., Nußbaum, S., Nuerk, H.-C.*, & Liepelt-Scarfone, I.* (2021). Arithmetic Errors in Financial Contexts in Parkinson's Disease. *Frontiers in Developmental Psychology*, 12:629984. <https://doi.org/10.3389/fpsyg.2021.629984>
- Loenneker, H.D., Artemenko, C., Willmes, K., Liepelt-Scarfone, I., & Nuerk, H.-C. (2021). Deficits in or preservation of basic number processing in Parkinson's Disease? A registered report. *In-principle acceptance from Journal of Neuroscience Research*, 99(10), 2390-2405. <https://doi.org/10.1002/jnr.24907>
- Sulzer, P., Bäumer, A., Hoang, G., Becker, S., Lönneker, H.D., Graessel, E., & Liepelt-Scarfone, I. (2020). Assessment of cognitive-driven performance-based instrumental activities of daily living dysfunctions in Parkinson's Disease. *Journal of the International Neuropsychological Society*, 26(4), 430-440. <https://doi.org/10.1017/S1355617719001322>
- Loda, T., Erschens, R., Loenneker, H., Keifenheim, K.E., Nikendei, C., Junne, F., Zipfel, S., & Herrmann-Werner, A. (2019). Cognitive and social congruence in peer-assisted learning. A scoping review. *PLoS One*, 14(9): e0222224. <https://doi.org/10.1371/journal.pone.0222224>

Pre-prints, Pre-registrations and Manuscripts in preparation

- Loenneker, H., Ansari, D., Nuerk, H.-C. (2023, September 4). *Zero counts - A Cash-Based Approach to Testing Numeracy Skills and Learning Strategies in Rural Sierra Leone*. Pre-registration. <https://osf.io/aupxf>
- Loenneker, H.D.*, Sulzer, P.*, Hoang, H.G., Heger, T., Solbrig, S., & Liepelt-Scarfone, I. (2023). *Performance-based activities of daily living and longitudinal cognitive outcome in patients with Parkinson's Disease - First insights*. Manuscript submitted for publication.
- Loenneker, H., Huber, J., Liepelt-Scarfone, I., & Nuerk, H. (2022, June 15). *Evidence on the Approximate Number System from Parkinson's Disease: Inferences for a theory of numerical cognition from a clinical population*. Pre-registration. <https://doi.org/10.17605/OSF.IO/3NKJ4>
- Loenneker, H., Cipora, K., Artemenko, C., Nuerk, H., & Huber, J. (2022, May 24). *Introducing the Math4Speed - a normed speeded test of arithmetic fluency*. Manuscript submitted for publication. <https://doi.org/10.31219/osf.io/8mtpe>
- Loenneker, H., Nuerk, H., & Artemenko, C. (2021, August 12). *Changes in numerical cognition across aging? A systematic review and meta-analysis*. Pre-registration. <https://osf.io/76qgv>
- Loenneker, H., Huber, J. F., Arndt, E., Liepelt-Scarfone, I., & Nuerk, H. (2021, February 12). *Review Protocol on Numerical and Arithmetic Impairments in Alzheimer, Parkinson's Dementia and Dementia with Lewy Bodies*. Pre-registration. <https://doi.org/10.31234/osf.io/z57wr>
- Cipora, K.*, Loenneker, H.*, Soltanlou, M., Lipowska, K., Domahs, F., Göbel, S. M., Haman, M., & Nuerk, H.-C. (2020). *Syntactic influences on numerical processing in adults: Limited but detectable*. Manuscript submitted for publication. <https://psyarxiv.com/ewtd4>

*equal contribution

Talks and conference contributions

- Loenneker, H.D., Buchanan, E.M., Martinovici, A., Primbs, M.A., Elsherif, M.M., Baker, B.J., Duda, L., Durdević, D.F., Mišić, K., Peetz, H.K., Röer, J.P., Schulze, L., Wagner, L., Wolska, J.K., Kührt, C., & Pronizius, E. (2023, June) *Introducing a checklist on reporting reaction time pre-processing steps*. [Lightning talk]. Society for the Improvement of Psychological Science Conference, Padua: Italy
- Loenneker, H.D., Artemenko, C., Liepelt-Scarfone, I., Willmes, K., & Nuerk, H.-C. (2023, June). *Basic numerical cognition, arithmetic, and numerical activities of daily living in Parkinson's Disease*. [Invited talk]. Department of Mathematics Education seminar, Loughborough University: online.
- Loenneker, H.D., Artemenko, C., Liepelt-Scarfone, I., Willmes, K., & Nuerk, H.-C. (2023, June). *Basic numerical cognition, arithmetic, and numerical activities of daily living in Parkinson's Disease*. [Symposium talk]. Mathematical Cognition and Learning Society Conference 2022, Loughborough: UK.
- Loenneker, H.D., Sulzer, P., Hoang, H.G., Heger, T., Solbrig, S., & Liepelt-Scarfone, I. (2023, March). *Objektive Messung von Alltagskompetenz und kognitivem Status bei nicht-dementen Patient*innen mit Morbus Parkinson*. [Poster]. Parkinson und Bewegungsstörungen - Highlights Digital 2023, Online.

- Workshop organization: Loenneker, H.D., Int-Veen, I., & Semeia, L. (2022, September). *Promoting transparency and replicability in research*. Eberhard Karls University, Tübingen, Germany. <https://osf.io/a8uxz/>
- Chairs: Volz, Grüning, Katzinger, Frank; Discussants: Volz, L., Loenneker, H.D., Gärtner, A., Lüken, U., Frank, M., Bühner, M. (2022, September). *Open Science in die Lehre - die Kontroverse um die Umsetzung eines Kulturwandels* [Discussant at panel discussion]. 52. Kongress der Deutschen Gesellschaft für Psychologie, Hildesheim: Germany.
- Loenneker, H.D. (2022, August). *Basic Numerical Cognition in Parkinson's Disease* [Poster]. 5th FESN Autumn School, Berlin: Germany.
- Loenneker, H.D., Nuerk, H.-C., & Artemenko, C. (2022, June). *Changes in Numerical Cognition due to Aging? A Systematic Review and Meta-Analysis* [Poster]. Mathematical Cognition and Learning Society Conference 2022: Multiple Perspectives on Numerical Cognition and Learning, Antwerp: Belgium.
- Loenneker, H.D., Becker, S., Nussbaum, S., Nuerk*, H.-C., & Liepelt-Scarfone, I.* (2021, September). *Sociodemographic, cognitive, and clinical factors explaining financial-arithmetic errors in Parkinson's Disease* [Poster]. MDS Virtual Congress 2021, virtual conference. <https://mdscongress.org/>
- Summer school co-organization: Artemenko, A., Schröder, P., & Dresler, T. (2021, August). *Hands-on fNIRS data analysis for fundamental, applied and clinical research*. Eberhard Karls University, Tübingen, Germany.
- Cipora, K., & Loenneker, H.D. (2021, June). *(Too) many shades of reaction time data preprocessing* [Unconference session]. Society for the Improvement of Psychological Science (SIPS) 2021 meeting, virtual conference, originally Padua: Italy. <https://osf.io/mnv7w/>
- Cipora, K., & Loenneker, H.D. (2021, June). *(Too) many shades of reaction time data preprocessing* [Hackathon]. Society for the Improvement of Psychological Science (SIPS) 2021 meeting, virtual conference, originally Padua: Italy. <https://osf.io/mnv7w/>
- Loenneker, H.D., Huber, J.F., Cipora, K., & Nuerk, H.-C. (2021, June). *Testing arithmetic competences adaptively* [Poster]. Society for the Improvement of Psychological Science (SIPS) 2021 meeting, virtual conference, originally Padua: Italy. <https://osf.io/unsmz/>
- Loenneker, H.D., Huber, J.F., Liepelt-Scarfone, I., & Nuerk, H.-C. (2021, March). *Do Inhibition and Visuo-Spatial Function Influence Non-symbolic Magnitude Processing in Parkinson's Disease?* [Poster]. BNA Festival of Neuroscience, virtual conference. <https://bna.org.uk/bna2021/>
- Loenneker, H.D., Artemenko, C., Liepelt-Scarfone, I., & Nuerk, H.-C. (2020, June). *Basic number processing in Parkinson's Disease - a preregistration*. [Poster] Mathematical Cognition and Learning Society: MCLS 2020, Dublin: Ireland. <https://www.the-mcls.org>
- Loda, T., Erschens, R., Lönneker, H., Keifenheim, K.E., Nikendei, C., Zipfel, S., & Herrmann-Werner, A. (2019, March). „*Ich vertraue meinem Tutor*“ – *Kognitive und soziale Kongruenz auf der konkreten Verhaltensebene im Peer-assisted-learning*. Talk given at the Deutscher Kongress für Psychosomatische Medizin und Psychotherapie 2019, Berlin: Germany.
- Cipora, K., Soltanlou, M., Lipowska, K., Loenneker, H.D., Domahs, F., Göbel, S.M., Haman, M., & Nuerk, H.-C. (2018). *Influences of grammatical number on numerical processing in educated adults* [Poster session]. Third Jean Piaget Conference: The origin of numbers. Geneva: Switzerland.

Student supervision

Winter 2022/23	Co-supervision of bachelor student Ronja Brandhorst: <i>A Systematic Review on Patients with Parkinson's Disease and Impairment of Number Processing</i> (B.Sc. Psychology)
Summer 2022	Co-supervision of bachelor students Annalena Wels: <i>Grundlegende Zahlenverarbeitung bei Parkinson-Patienten mit und ohne kognitive Einschränkungen</i> (B.Sc. Psychology) Melina Ali Babaiyan Ghazvini: <i>Parkinson, numerische und nicht-numerische Alltagsaktivitäten und Depressionen</i> (B.Sc. Psychology)
Winter 2021/22	Supervision of student intern Paula Krieger (Study orientation internship) Co-supervision of undergraduate research projects Julia König: <i>Gesundheitsbezogene Lebenszufriedenheit und alltagsrelevante numerische Fähigkeiten bei Morbus Parkinson</i> (M.Sc. Psychology) Katarina Sivec: <i>Zahlenverarbeitung bei Morbus Parkinson</i> (M.Sc. Psychology) Martin Skopp: <i>Zahlenverarbeitung unter Morbus Parkinson</i> (M.Sc. Psychology)
Summer 2021	Co-supervision of bachelor and master students Margarete Scharlipp: <i>Rechnen im Alter - ein systematisches Review</i> (B.Sc. Psychology) Rahel Stahl: <i>Repräsentation von numerischer Größe bei Morbus Parkinson</i> (M.Sc. Psychology) Lena Urbanczyk: <i>Verarbeitung von Objektmengen in Morbus-Parkinson-Patienten. Der Einfluss von Neurodegeneration auf die Differenzierung nichtsymbolischer Mengen</i> (M.Sc. Neurobiology)
Winter 2020/21	Co-supervision of undergraduate research projects Leonie Krauß: <i>Beeinträchtigung der Transkodierleistung bei Alzheimer Demenz - ein systematisches Review</i> (M.Sc. Psychology) Selina Galefski: <i>Beeinträchtigungen der Rechenfähigkeit bei der Alzheimer-Demenz: global oder domänenspezifisch? - Ein systematisches Review</i> (M.Sc. Psychology)
Summer 2020	Co-supervision of bachelor students Elisabeth Arndt: <i>Systematisches Review zur Beeinträchtigung der Zahlenverarbeitung bei frontotemporaler Demenz</i> (B.Sc. Psychology) Carlotta Heni: <i>Leichte kognitive Einschränkungen bei Parkinson: Arithmetische Leistung als Prädiktor des kognitiven Status'?</i> (B.Sc. Psychology) Maike Klett: <i>Kopfrechendefizite bei Parkinson: Welche Rolle spielen spezifische Prozesse der Zahlenverarbeitung?</i> (B.Sc. Psychology)

Public science communication

- Loenneker, H.D. (2022, June). *Das Akademische Viertel 19 – Über Parkinson und spannende Wege der Zahlenverarbeitung*. [Podcast] <https://seitenwaelzer.de/das-akademische-viertel-19-uber-parkinson-und-spannende-wege-der-zahlenverarbeitung>
- Loenneker, H.D., & Artemenko, C. (2022, May). *Was passiert im Kopf, wenn man rechnet? - Rechnen im Gehirn über das Altern*. [Public science communication]. Begegnungsstätte Hirsch, Tübingen, Germany.
- Loenneker, H.D. (2021, November). *Defizite der (numerischen) Kognition bei Parkinson*. [Public science communication]. Deutsche Parkinson Vereinigung e.V. - Regionalgruppe Reutlingen-Tübingen, Germany.

Reviews for peer-reviewed journals

- Journal of European Psychology Students (1 x 2022, 1 x 2023)
PCI Registered Reports (1 x 2021)
Journal of Cognitive Psychology (1 x 2021)
Frontiers in Aging Neuroscience (1 x 2021)
Cognitive Processing (1 x 2020)
<https://publons.com>

Social commitment

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| 10/2019 - 05/2023 | Tübinger Hospizdienste |
| 10/2020-05/2022 | Solidaritätsfonds Friedrich Ebert Stiftung |
| 06/2019-12/2021 | Medinetz Tübingen e.V. |
| 11/2014 - 06/2016 | Lebenshilfe Tübingen |
| 05/2014 - 10/2015 | Bruderhaus Diakonie Kusterdingen |
| 10/2013-05/2019 | Association of psychology students Tübingen |
| 06/2012-06/2013 | European Voluntary Service, King's Lynn (UK) |

Memberships

- Alumni association Eberhard-Karls University Tübingen
Alumni association Hainberg Gymnasium Göttingen
Alumni association Sachsenhaus e.V.
Gesellschaft für Neuropsychologie e.V.
Arbeitsgemeinschaft für Verhaltensmodifikation (AVM e.V.)

Other skills and interests

Language skills	German (mother tongue) English (C1) French (B2) Spanish (B2)
Computer skills	Microsoft Office 365: advanced text editing, presentations, spreadsheet application R: advanced data preparation, analysis, visualisation jamovi: basic data analysis, visualisation JASP: basic data analysis, visualisation SPSS & AMOS: basic data curation and analysis LaTeX: basic text editing MAXQDA: basic qualitative text analyses
Interests	Yoga, climbing, literature, travelling, politics