

## CURRICULUM VITAE

### UTE JOHANNA BAYEN

#### Address:

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#### Education:

- Ph.D. 1994            Thesis: *Multinomial modeling of age differences in adult source memory.*  
Human Development and Family Studies  
The Pennsylvania State University
- Diplom (M.S.) 1990    Thesis: *The localization of age differences in adult episodic memory.*  
Psychology, University of Freiburg
- Vordiplom (B.S.) 1986        Psychology, University of Bonn

#### Professional Experience:

- since 2007            Professor (W3) of Mathematical and Cognitive Psychology, Institute for Experimental Psychology, Heinrich-Heine Universität Düsseldorf, Germany
- 2004-2005            Visiting (sabbatical) Professor, Department of Psychology, Universität Mannheim, Germany
- 2003-2006            Associate Professor (with tenure), Department of Psychology, The University of North Carolina at Chapel Hill
- 1996-2003            Assistant Professor, Department of Psychology, The Univ. of North Carolina at Chapel Hill
- 1995-1996            Assistant Professor, Department of Psychology, The University of Memphis
- Summer 1995        Visiting Fellow, Department of Psychology, Princeton University
- 1994-1995            Postdoctoral Research Fellow, Department of Psychology, The University of Memphis
- 1992-1994            Research Fellow, Memory and Cognition Laboratory, The Pennsylvania State University
- 1990-1992            Research Assistant, Dept. of Human Development & Family Studies, Penn State Univ.
- 1987-1990            Research Assistant, Department of Psychology, University of Freiburg, Germany
- 1986                  Research Assistant, Department of Psychology, University of Bonn, Germany

### Grants:

- 04/13-11/15 Principal Investigator. *Aging and Hindsight Bias*. Deutsche Forschungsgemeinschaft. BA 3539/4-1.
- 05/12-04/15 Co-Principal Investigator. Graduate program *Aging as Cultural Concept and Practice*. Heinrich-Heine-University (with Shingo Shimada and others).
- 04/10-09/12 Principal Investigator. *The Role of Contingency and Schema-Based Guessing in Source Monitoring*. Deutsche Forschungsgemeinschaft (German National Science Foundation), BA 3539/1-1.
- 02/00-01/07 Principal Investigator. *Adult Age Differences in Recognition Memory*. National Institute on Aging, R01 AG17456.
- 05/01-04/04 Co-Principal Investigator with Edgar Erdfelder. *Aging, Memory, and Judgment Bias*. Alexander von Humboldt Foundation, TransCoop Program.
- 07/01-07/03 Mentor. *Aging and Prospective Memory: A Formal Modeling Approach*. Individual National Research Service Award for postdoctoral training, National Institute on Aging, F32 AG20021. Postdoc: Rebekah Smith.
- 02/01-01/02 Principal Investigator. *Adult Age Differences in Recognition Memory*. Minority Supplement Grant for Rhenelda Lewis. National Institute on Aging, R01 AG17456-02S1.
- 12/00-11/02 Principal Investigator. *Reality Monitoring in Compulsive Checkers*. University Research Council - The University of North Carolina at Chapel Hill.
- 2000 Recipient. *Instructional Technology Enhancement Grant*. University of North Carolina / IBM.
- 12/99-11/01 Principal Investigator. *Hindsight Bias and Aging*. University Research Council Grant - The University of North Carolina at Chapel Hill.
- 04/98-06/98 Principal Investigator. *Aging and Context Processing in Recognition Memory: A Global Matching Approach*. Cognitive Science Research Seed Grant - The University of North Carolina at Chapel Hill.
- Summer 1997 Principal Investigator. *Aging and the Use of Context in Recognition Memory*. Exploratory Project Grant - Institute on Aging - The University of North Carolina System.
- 12/96-11/99 Principal Investigator. *Age Differences in Memory for Context*. University Research Council Grant - The University of North Carolina at Chapel Hill.
- 1995/96 Principal Investigator. *Aging and the Use of Cues in Source Memory Tasks*. Faculty Research Grant - The University of Memphis.
- 1994/95 Principal Investigator. Postdoctoral Research Grant - APA Division 20, funded by the Retirement Research Foundation (national competition, one recipient).
- 1992 Principal Investigator. Grant-in-Aid of Research - Sigma Xi, The Scientific Research Society (national competition).
- 1991 Principal Investigator. Graduate Research Seed Grant - College of Health and Human Development, The Pennsylvania State University.

## Honors and Awards:

- 2004/05      Research Fellowship - Alexander von Humboldt Foundation.
- 2002          Gordon H. DeFries Career Development in Aging Research Award. Institute on Aging – The University of North Carolina.
- 2000          Social Science Faculty Research Award. Institute for Research in the Social Sciences - The University of North Carolina at Chapel Hill.
- 1997          Mason and Linda Stephenson Faculty Award - Department of Psychology, The University of North Carolina at Chapel Hill.
- 1997          Junior Faculty Development Award - The University of North Carolina at Chapel Hill.
- 1995          Postdoctoral Award for Completed Research - American Psychological Association, Division 20 (Adult Development and Aging), funded by the Retirement Research Foundation (national competition, one recipient per year).
- 1991, 1993, 1994      Grace M. Henderson Graduate Awards - The Pennsylvania State University.
- 1993/94      Pre-Doctoral Fellowship - AARP Andrus Foundation, administered by the Association for Gerontology in Higher Education (national competition, two recipients).
- 1992-1994      Dissertation Fellowship - Studienstiftung des deutschen Volkes.
- 1992/93      Presidents Research Fellowship - Phi Upsilon Omicron National Honor Society (national competition, one recipient).
- 1992          Dissertation Research Award - American Psychological Association (national competition).
- 1991, 1992      Student Travel Awards for the 3rd and 4th Annual Conventions - American Psychological Society
- 1990/91      Fellowship for Studies in the United States - Studienstiftung des deutschen Volkes
- 1990/91      Fellowship offered by the German Academic Exchange Service (DAAD, declined)
- 1990/91      Fulbright Fellowship offered (declined)
- 1985-1990      Student Fellowship, Studienstiftung des deutschen Volkes

## Journal Articles:

\* student or post-doctoral fellow co-author

Walter, N. T.\*, & **Bayen, U. J.** (in press). Selective effects of acute alcohol intake on the prospective and retrospective components of a prospective-memory task with emotional targets.

*Psychopharmacology*. doi: 10.1007/s00213-015-4110-z

Kuhlmann, B. G.\*, Kornadt, A. E.\*, **Bayen, U. J.**, Meuser, K.\*, & Wulff, L.\* (2015). Multidimensionality of younger and older adults' age stereotypes: The interaction of life domain and adjective dimension. *The Journals of Gerontology Series B: Psychological Sciences and Social Sciences*. Advance online publication. doi: 10.1093/geronb/gbv049

- Arnold, N. R.\*, **Bayen, U. J.**, & Böhm, M. F.\* (2014). Is prospective memory related to depression and anxiety? A hierarchical MPT modelling approach. *Memory*. Advance online publication. doi: 10.1080/09658211.2014.969276
- Arnold, N. R.\*, Bröder, A., & **Bayen, U. J.** (2015). Empirical validation of the diffusion model for recognition memory and a comparison of parameter-estimation methods. *Psychological Research*, 79, 882-898. doi: 10.1007/s00426-014-0608-y
- Groß, J.\*, & **Bayen, U. J.** (2015). Adult age differences in hindsight bias: The role of recall ability. *Psychology & Aging*, 30, 253-258. doi: org/10.1037/pag0000017
- Arnold, N. R.\*, **Bayen, U. J.**, & Smith, R. E. (2015). Hierarchical multinomial modeling approaches: An application to prospective memory and working memory. *Experimental Psychology*, 62, 143-152 doi: 10.1027/1618-3169/a000287
- Groß, J.\*, & **Bayen, U. J.** (2015). Hindsight bias in younger and older adults: the role of access control. *Aging, Neuropsychology, and Cognition*, 22, 183-200. doi:10.1080/13825585.2014.901289
- Horn, S. S.\*, & **Bayen, U. J.** (2015). Modeling criterion shifts and target checking in prospective-memory monitoring. *Journal of Experimental Psychology: Learning, Memory, and Cognition.*, 41, 95-117. doi: 10.1037/a0037676
- Küppers, V.\*, & **Bayen, U. J.** (2014). Inconsistency effects in source memory and compensatory schema-consistent guessing. *Quarterly Journal of Experimental Psychology*, 67, 2042-2059. doi: 10.1080/17470218.2014.904914
- Grundgeiger, T. \*, **Bayen, U. J.**, & Horn, S. S.\* (2014). Effects of sleep deprivation on prospective memory. *Memory*, 22, 679-686.
- Horn, S. S.\*, **Bayen, U. J.**, & Smith, R.E. (2013). Adult age differences in interference in a prospective-memory task: A diffusion-model analysis. *Psychonomic Bulletin & Review*, 20, 1266-1273.
- Bayen, U. J.**, Dogangün, A.\*, Grundgeiger, T.\*, Haese, A.\*, Stockmanns, G., & Ziegler, J. (2013). Evaluating the effectiveness of a context-adaptive memory aid system. *Gerontology*, 59,77-84.
- Arnold, N. R.\*, **Bayen, U. J.**, Kuhlmann, B. G.\*, & Vaterrodt, B. (2013). Hierarchical modeling of contingency-based source monitoring: A test of the probability-matching account. *Psychonomic Bulletin & Review*, 20, 326-333.
- Kuhlmann, B. G.\*, Vaterrodt, B., & **Bayen, U. J.** (2012). Schema bias in source monitoring varies with encoding conditions: Support for a probability-matching account. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 38, 1365-1376.
- Smith, R. E., Horn, S. S.\*, & **Bayen, U. J.** (2012). Prospective memory in young and older adults: The effects of ongoing task load. *Aging, Neuropsychology, and Cognition*, 19, 495–514.
- Schnitzspahn, K. M.\*, Horn, S. S.\*, **Bayen, U. J.**, & Kliegel, M. (2012). Age effects in emotional prospective memory: Cue valence differentially affects the prospective and retrospective component. *Psychology & Aging*, 27, 498–509.
- Czernochowski, D.\*, Horn, S. S.\*, & **Bayen, U. J.** (2012). Does frequency matter? ERP and behavioral correlates of prospective memory monitoring. *Neuropsychologia*, 50, 67-76.

- Bayen, U. J., & Kuhlmann, B. G.\*** (2011). Influences of item-source contingency and schematic knowledge on guessing bias in source monitoring: Tests of the probability matching account. *Journal of Memory and Language, 64*, 1-17.
- Horn, S. S.\*, **Bayen, U. J.**, Smith, R. E., & Boywitt, C. D.\* (2011). The multinomial model of prospective memory: Validity of ongoing-task parameters. *Experimental Psychology, 58*, 247-255.
- Horn, S. S.\*, **Bayen, U. J.**, & Smith, R. E. (2011). What can the diffusion model tell us about event-based prospective memory? *Canadian Journal of Experimental Psychology, 65*, 69-75.
- Pohl, R. F., **Bayen, U. J.**, & Martin, C. (2010). A multi-process account of hindsight bias in children. *Developmental Psychology, 46*, 1268-1282.
- Smith, R. E., **Bayen, U. J.**, & Martin, C. (2010). The cognitive processes underlying event-based prospective memory in school age children and young adults: A formal model-based study. *Developmental Psychology, 46*, 230-244.
- Dew, I. T. Z.\*, **Bayen, U. J.**, & Giovanello, K. S. (2007). Implicit relational memory in young and older adults. *Zeitschrift für Psychologie/Journal of Psychology, 215*, 25-34.
- Bayen, U. J.**, Pohl, R.F., Erdfelder, E., & Auer, T.-S.\* (2007). Hindsight bias across the life span. *Social Cognition, 25*, 83-97.
- Bayen, U. J.**, Erdfelder, E., Bearden, J. N.\*, & Lozito, J. P.\* (2006). The interplay of memory and judgment processes in effects of aging on hindsight bias. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 32*, 1003-1018.
- Smith, R. E.\*, & **Bayen, U. J.** (2006). The source of adult age differences in prospective memory: A multinomial modeling approach. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 32*, 623-635.
- Bann, C. M., **Bayen, U. J.**, McCormack, L. A., & Uhrig, J. D. (2006). Effects of reading habits, reading comprehension, and memory beliefs on older adults' knowledge about Medicare. *Journal of Applied Gerontology, 25*, 49-64.
- Smith, R. E.\*, Lozito, J. P.\*, & **Bayen, U. J.** (2005). Adult age differences in distinctive processing: The modality effect in false recall. *Psychology and Aging, 20*, 486-492.
- Bayen, U. J.**, McCormack, L. A., & Bann, C. M. (2005). Educating older adults about Medicare: The role of cognitive variables. *Educational Gerontology, 31*, 663-681.
- Smith, R. E.\*, & **Bayen, U. J.** (2005). The effects of working memory resource availability on prospective memory: A formal modeling approach. *Experimental Psychology, 52*, 243-256.
- Spaniol, J.\*, & **Bayen, U. J.** (2005). Aging and conditional-probability judgments: A global matching approach. *Psychology and Aging, 20*, 165-181.
- Spaniol, J.\*, & **Bayen, U. J.** (2004). Formal modeling in research on episodic memory and aging. *Psychology Science, 46*, 477-513.
- Smith, R. E.\*, & **Bayen, U. J.** (2004). A multinomial model of event-based prospective memory. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 30*, 756-777.
- Woods, C. M.\*, Vevea, J. L., Chambless, D. L., & **Bayen, U. J.** (2002). Are compulsive checkers impaired in memory? A meta-analytic review. *Clinical Psychology: Science and Practice, 9*, 353-366.
- Spaniol, J.\*, & **Bayen, U. J.** (2002). When is schematic knowledge used in source monitoring? *Journal of Experimental Psychology: Learning, Memory, and Cognition, 28*, 631-651.

- Keefe, R. S. E., Arnold, M. C.\*, **Bayen, U. J.**, McEvoy, J. P., and Wilson, W. H. (2002). Source monitoring deficits for self-generated stimuli in schizophrenia: Multinomial modeling of data from three sources. *Schizophrenia Research, 57*, 51-67.
- McCormack, L. A.\*, Garfinkel, S. A., Hibbard, J. H., Norton, E. C., & **Bayen, U. J.** (2001). Health plan decision-making with new Medicare information materials. *Health Services Research, 36*, 531-554.
- Lichstein, K. L., Durrence, H. H.\*, Riedel, B. W.\*, & **Bayen, U. J.** (2001). Primary versus secondary insomnia in older adults: Subjective sleep and daytime functioning. *Psychology and Aging, 16*, 264-271.
- Bayen, U. J.**, Nakamura, G. V., Dupuis, S. E.\*, & Yang, C.-L.\* (2000). The use of schematic knowledge about sources in source monitoring. *Memory & Cognition, 28*, 480-500.
- Bayen, U. J.**, Phelps, M. P.\*, & Spaniol, J.\* (2000). Age-related differences in the use of contextual information in recognition memory: A global matching approach. *Journals of Gerontology: Psychological Sciences, 55B*, P131-P141.
- Bayen, U. J.** (1999). Aging and source monitoring of characters in literary texts. *Aging, Neuropsychology, and Cognition, 6*, 187-200.
- Keefe, R. S. E., Arnold, M. C.\*, **Bayen, U. J.**, & Harvey, P. D. (1999). Source monitoring deficits in patients with schizophrenia: A multinomial modeling analysis. *Psychological Medicine, 29*, 903-914.
- Jones, B. D.\*, & **Bayen, U. J.** (1998). Teaching older adults to use computers: Recommendations based on cognitive aging research. *Educational Gerontology, 24*, 675-689.
- Murnane, K., & **Bayen, U. J.** (1998). Measuring memory for source: Some theoretical assumptions and technical limitations. *Memory & Cognition, 26*, 674-677.
- Bayen, U. J.**, & Murnane, K. (1996). Aging and the use of perceptual and temporal information in source memory tasks. *Psychology and Aging, 11*, 293-303.
- Bayen, U. J.**, Murnane, K., & Erdfelder, E. (1996). Source discrimination, item detection, and multinomial models of source monitoring. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 22*, 197-215.
- Murnane, K., & **Bayen, U. J.** (1996). An evaluation of empirical measures of source identification. *Memory & Cognition, 24*, 417-428.

### **Book:**

- Haag, G., & **Bayen, U. J.** (1996). *Verhaltensmedizinische Konzepte bei Älteren. Verhaltensbezogene Diagnostik, Therapie und Rehabilitation in der Geriatrie.* [Behavioral medicine with older adults. Behavioral assessment, therapy and rehabilitation in geriatrics]. Cologne, Germany: Deutscher Ärzte-Verlag. (190 pages).

### **Book Reviews in Refereed Journals:**

- Bayen, U. J.**, & Smith, R. E. (2008). Prospective memory from the perspective of the multiprocess framework (Review of *Prospective memory: An overview and synthesis of an emerging field* by M. A. McDaniel and G. O. Einstein). *Experimental Psychology, 55*, 214.
- Bayen, U. J.** (1998). All you ever wanted to know about aging. Review of *The encyclopedia of aging* (2nd ed.) (Editor-in-Chief G. L. Maddox). *Death Studies, 22*, 85-90.

### Peer-Reviewed Papers in Conference Proceedings:

- Erdfelder, E., Murnane, K., & **Bayen, U. J.** (1995). Die Messung kognitiver Prozesse im Paradigma der Quellediskrimination [The measurement of cognitive processes in the source monitoring paradigm]. In K. Pawlik (Ed.), *Bericht über den 39. Kongreß der Deutschen Gesellschaft für Psychologie in Hamburg 1994* [Proceedings of the 39th Conference of the German Society for Psychology in Hamburg 1994] (Vol. 2) (pp. 541-547). Göttingen, Germany: Hogrefe.
- Erdfelder, E., & **Bayen, U. J.** (1991). Episodisches Gedächtnis im Alter: Methodologische und empirische Argumente für einen Zugang über mathematische Modelle [Episodic memory in old age: Methodological and empirical arguments for a mathematical modeling approach]. In D. Frey (Ed.), *Bericht über den 37. Kongreß der Deutschen Gesellschaft für Psychologie in Kiel 1990* [Proceedings of the 37th Conference of the German Society for Psychology in Kiel 1990] (Vol. 2, pp. 172-180). Göttingen, Germany: Hogrefe.

### Book Chapters:

\* student or post-doctoral fellow co-author

- Kuhlmann, B. G.\*, & **Bayen, U. J.** (2015, published online). *Metacognitive aspects of source monitoring*. In J. Dunlosky & S. U. Tauber (Eds.), *The Oxford Handbook of Metamemory*. New York, NY: Oxford University Press. 10.1093/oxfordhb/9780199336746.013.8
- Bayen, U. J.** (2012, 2009, 2006). Gedächtnis, Irrtum und Vernehmung [Memory, error, and the eyewitness interview]. In M. Hermanutz, & S. M. Litzcke (Eds.), *Vernehmung in Theorie und Praxis. Wahrheit – Irrtum – Lüge* [Interviewing eyewitnesses and suspects in theory and practice. Truth – error – lie] (pp. 84-97). Stuttgart, Germany: Boorberg.
- Horn, S.\*, Smith, R. E., & **Bayen, U. J.** (2008/2009). A multinomial model of event-based prospective memory. In *Jahrbuch der Heinrich-Heine-Universität Düsseldorf 2008/2009* [Yearbook of the Heinrich-Heine-University Düsseldorf 2008/2009] (pp. 275-283). Düsseldorf, Germany.
- Heuft, G., Haag, G., & **Bayen, U. J.** (2007). Psychoanalytische Psychotherapie und Verhaltenstherapie bei alten Menschen [Psychoanalytic psychotherapy and behavior therapy with older adults]. In W. Senf, & M. Broda (Eds.), *Praxis der Psychotherapie* [Practice of psychotherapy] (4th ed., pp. 691-700). Stuttgart, New York: Thieme.
- Heuft, G., Haag, G., & **Bayen, U. J.** (2004). Psychoanalytische Psychotherapie und Verhaltenstherapie bei alten Menschen [Psychoanalytic psychotherapy and behavior therapy with older adults]. In W. Senf, & M. Broda (Eds.), *Praxis der Psychotherapie* [Practice of psychotherapy] (3rd ed., pp. 679-688). Stuttgart, New York: Thieme.
- Graesser, A. C., Bowers, C. A., **Bayen, U. J.**, & Hu, X. (2000). Who said what? Who knows what? Tracking speakers and knowledge in narrative. In W. van Peer, & S. Chatman (Eds.), *Narrative perspective: Cognition and emotion* (pp. 255-272). New York: SUNY Press.
- Heuft, G., Haag, G., & **Bayen, U. J.** (2000). Alte Menschen [Older adults]. In W. Senf, & M. Broda (Eds.), *Praxis der Psychotherapie* [Practice of psychotherapy] (2nd ed., pp. 625-633). Stuttgart, New York: Thieme.
- Bayen, U. J.**, Haag, G., & Wiech, K. (1999). Alter [Old age]. In H. Flor, N. Birbaumer, & K. Hahlweg (Eds.), *Enzyklopädie für Psychologie. Grundlagen der Verhaltensmedizin*. Serie Klinische Psychologie, Band 3

[Encyclopedia of psychology. Basics of Behavioral Medicine. Series Clinical Psychology, Vol. 3]. (pp. 487-556). Göttingen: Hogrefe.

- Haag, G., & **Bayen, U. J.** (1996). Alte Menschen: Verhaltenstherapie. [Older adults: Behavior therapy]. In W. Senf, & M. Broda (Eds.), *Praxis der Psychotherapie. Ein integratives Lehrbuch für Psychoanalyse und Verhaltenstherapie* [Practice of psychotherapy: An integrative textbook of psychoanalysis and behavior therapy] (pp. 458-461). Stuttgart, New York: Thieme.
- Bayen, U. J.**, & Haag, G. (1994). Gerontopsychologie [Gerontopsychology]. In W.-D. Gerber, H.-D. Basler, & U. Tewes (Eds.), *Medizinische Psychologie. Mit Psychobiologie und Verhaltensmedizin* [Medical psychology. With psychobiology and behavioral medicine] (pp. 365-374). Munich, Germany: Urban & Schwarzenberg.
- Bayen, U. J.**, & Haag, G. (1993). Psychologische Aspekte des Alterns [Psychological aspects of aging]; In A. tum Suden-Weickmann (Ed.), *Physiotherapie in der Geriatrie* [Physical therapy in geriatrics] (pp. 73-78). Munich, Germany: Pflaum-Verlag.
- Haag, G., & **Bayen, U. J.** (1993). Psychische Störungen im Alter [Mental health problems in old age]. In A. tum Suden-Weickmann (Ed.), *Physiotherapie in der Geriatrie* [Physical therapy in geriatrics] (pp. 205-228). Munich, Germany: Pflaum-Verlag.
- Schaie, K. W., Plomin, R., Willis, S. L., Gruber-Baldini, A., Dutta, R., & **Bayen, U.** (1993). Longitudinal studies of family similarity in intellectual abilities. In J. J. F. Schroots & J. E. Birren (Eds.), *The next generation of longitudinal studies of health and aging* (pp. 183-198). Amsterdam, The Netherlands: Elsevier.
- Ernst, A. M., **Bayen, U. J.**, & Spada, H. (1992). Informationssuche und -verarbeitung zur Entscheidungsfindung bei einem ökologischen Problem [Information search and processing for decision making in an ecological dilemma]. In K. Pawlik & K. H. Stapf (Eds.), *Umwelt und Verhalten. Perspektiven und Ergebnisse ökopsychologischer Forschung* [Environment and Behavior. Perspectives and results of ecopsychological research] (pp. 107-127). Bern, Switzerland: Huber.
- Bayen, U. J.** (1991). Verhaltenstherapie und kognitive Therapie bei Depressionen im höheren Lebensalter: Empfehlungen für Praxis und Forschung [Behavior therapy and cognitive therapy with depressed older adults. Recommendations for practice and research]. In G. Haag, & J. C. Brengelmann (Eds.), *Alte Menschen. Ansätze psychosozialer Hilfen* [Older adults. Approaches to psychosocial assistance] (pp. 115-125). Munich, Germany: Röttger-Verlag.
- Haag, G., & **Bayen, U. J.** (1990). Rehabilitationspsychologische Aspekte bei der wohnortnahen Versorgung behinderter Menschen [Aspects of rehabilitation psychology in community care for people with disabilities]. In M. Schmidt-Ohlemann & J. Harms (Eds.), *Soziale Netzwerke und Regionalisierung - Perspektiven für Behinderte* [Social Networks and Regionalization - Perspectives for People with Disabilities] (pp. 25-38). Frankfurt am Main, Germany: Haag und Herchen.
- Haag, G., & **Bayen, U.** (1989). Verhaltensmedizin in der Gerontologie [Behavioral medicine in gerontology]. In R. Wahl & M. Hautzinger (Eds.), *Verhaltensmedizin* [Behavioral Medicine] (pp. 206-215). Cologne, Germany: Deutscher Ärzte-Verlag.

### **Study Guide:**

- Bayen, U. J.**, & Edwards, A. B. (1995). *Study Guide for HDFS 249, Adult Development and Aging*. Independent Learning Program, Department of Distance Learning. The Pennsylvania State University. (245 pages)



**Other Non-Refereed Publication:**

**Bayen, U. J., & Hacker, W.** (2005). Was geschieht mit dem Gedächtnis wenn wir älter werden? [What happens to memory as we get older?]. *Psychologie Heute*, 2005 (8), 30-34.

**Journal Editing:****Associate Editor:**

*Experimental Psychology* (2006 - 2008)

**Consulting Editor:**

*Journal of Experimental Psychology: Learning, Memory, and Cognition* (January 2002 to 2013)

*Aging, Neuropsychology, and Cognition* (October 2004 to present)

*Experimental Psychology* (2005 – 2006; 2009 to 2014)

**Member of Review Panels:**

- since 2009 Studienstiftung des deutschen Volkes (Panels for Undergraduate, Master's and Doctoral Fellowships)
- since 2007 Deutsche Forschungsgemeinschaft (Research Unit, Collaborative Research Center, International Research Training Group)
- 2003-2007 Permanent Member, Cognition and Perception Study Section, National Institutes of Health, Center for Scientific Review (three panel meetings per year)
- 2006 U.S. National Science Foundation; Perception, Action, and Cognition (PAC) program

**Ad hoc Reviews:****For Grant Agencies:**

- 2015 Vontobel Foundation, Switzerland
- 2013 Russian Federation Ministry of Education and Science / New Eurasia Foundation Megagrants
- 2012 Medical Research Council, United Kingdom
- 2012 Biotechnology and Biological Sciences Research Council, United Kingdom
- since 2012 Alexander von Humboldt Foundation (Research Fellowship for experienced researchers; Feodor Lynen Research Fellowship; Anneliese Maier Research Award; Sofja Kovalevskaja Award; Humboldt Research Award for leading foreign scientists), Germany
- 2011 Cyprus Research Promotion Foundation (Young Researchers of Cyprus Programme)
- 2011 German Academic Exchange Service (Doctoral Fellowship)
- 2010 Social Sciences and Humanities Research Council of Canada
- 2009 Netherlands Organisation for Scientific Research
- 2009 NIH Challenge Grants in Health and Science Research, U.S.A.
- 2008 University of Padua, Italy (Progetto di Ricerca di Ateneo)
- 2008 German National Fellowship Foundation (Doctoral Fellowships)
- 2007, 2011 U.S. National Science Foundation
- since 2007 German National Science Foundation

2005 German Federal Ministry for Education and Research, German-Israeli Project Cooperation Program  
 1999, 2000 Institute on Aging of the UNC System, Exploratory Research Grants  
 1996 APA Division 20 (Adult Development and Aging) Student Research Awards

For Journals:

*Acta Psychologica; Aging, Neuropsychology, and Cognition; Advances in Cognitive Psychology; American Journal of Psychology; Applied Cognitive Psychology; Behavior Research Methods, Instruments, & Computers; Consciousness and Cognition; Current Gerontology and Geriatrics Research; Developmental Psychology; Developmental Review; Ergonomics; Experimental Psychology; European Journal of Ageing; GeroPsych The Journal of Gerontopsychology and Geriatric Psychiatry; International Journal of Psychology; Journal of Abnormal Psychology; Journal of Cognitive Psychology; Journal of Experimental Psychology: General; Journal of Experimental Psychology: Learning, Memory, and Cognition; Journal of Gerontology: Psychological Sciences; Journal of Mathematical Psychology; Journal of Memory and Language; Memory; Memory & Cognition; Neuropsychology; Neurosciences & Biobehavioral Review; PLoS ONE; Psychological Assessment; Psychological Medicine; Psychological Methods; Psychological Research; Psychological Science; Psychology Science; Psychology and Aging; Psychometrika; Psychonomic Bulletin and Review; Quarterly Journal of Experimental Psychology; Social Cognition; Zeitschrift für Klinische Psychologie; Zeitschrift für Psychologie/Journal of Psychology*

For Book Publishers: APA Books; Lawrence Erlbaum; McGraw Hill; Oxford Handbook Series; Sage Publications; Taylor & Francis Psychology Press; Wadsworth

For Professional Meetings: American Psychological Association; Gerontological Society of America

## **Supervision of Student Research:**

Postdoctoral Trainees:

Dr. Julia Groß (since 2014)

Dr. Nora Walter (2012-2015)

Beatrice Kuhlmann, Ph.D. (2013-2015) currently Assistant Professor of Cognitive Psychology at the University of Mannheim, Germany

Miri Besken, Ph.D. (2013-2014) currently Assistant Professor at Belkent University, Ankara, Turkey

Tobias Grundgeiger, Ph.D. (2010-2012), currently at the University of Würzburg, Germany

Dr. Daniela Czernochowski (2007-2010), currently Assistant Professor of Cognitive Science, Technische Universität Kaiserslautern, Germany

Rebekah Smith, Ph.D. (2000-2004), currently tenured Full Professor of Psychology and Department Chair, University of Texas at San Antonio, U.S.A.

Dissertations supervised:

*The babyboomers and the future: The mobility of older adults in the year 2030* (by Nicolas Haverkamp, Universität Düsseldorf, 2015, currently Postdoctoral Fellow at the University of Bonn, co-advised with Georg Rudinger, Bonn)

*Hierarchical multinomial modeling of individual differences in memory* (by Nina Arnold, Universität Düsseldorf, 2014, currently Postdoctoral Fellow at the University of Mannheim)

*Adult age differences in hindsight bias* (by Julia Groß, Universität Düsseldorf, 2013, currently Postdoctoral Fellow at the Heinrich-Heine-Universität Düsseldorf)

*Source monitoring: Source-memory effects and guessing strategies* (by Viviane Küppers, Universität Düsseldorf, 2012, currently Project Manager at Carl Zeiss Vision)

*Cognitive modeling of interference from prospective-memory tasks* (by Sebastian S. Horn, Universität Düsseldorf, 2012, currently Postdoctoral Fellow at the Max-Planck Institute, Berlin)

*Aging and judgments of frequency and conditional probability* (by Julia Spaniol, UNC Chapel Hill, 2003, currently tenured Associate Professor at Ryerson University, Toronto, Canada and Canada Research Chair in Cognitive Aging)

#### Mentor on Training Grants:

Mentor, Selma-Meyer Mentoring Program (for young female scientists), Heinrich-Heine Universität Düsseldorf (2008 to 2010)

Mentor, Individual National Research Service Award for Dr. Rebekah Smith's postdoctoral training, National Institute on Aging, F32 AG20021 (2001-2003).

Mentor, *Carolina Program in Healthcare and Aging Research* (CPHAR), T32 institutional training grant funded by the National Institute on Aging and awarded to the Institute on Aging of the University of North Carolina at Chapel Hill (2002 - 2006).

#### **Professional Society Memberships:**

The Psychonomic Society	Fellow
Deutsche Gesellschaft für Psychologie [German Society for Psychology] (Divisions: General & Cognitive, Developmental, Research Methods)	Member
Women in Cognitive Science	Member

#### **Service for Professional Societies:**

Chair of the selection committee for the biannual Heinz-Heckhausen Award for Young Scientists (2016)

Invited Keynote Speaker and Discussant, 2nd Workshop for Doctoral Students of the Division for Cognitive Psychology of the German Society for Psychology, Trier (2013)

Invited Keynote Speaker and Discussant, Workshop for Doctoral Students of the Division for Developmental Psychology of the German Society for Psychology, Dresden (2010)

Chair, Award Committee, Mentoring Award of the Division for Developmental Psychology of the German Society for Psychology (2009)

Member, Award Committee, Margret M. and Paul B. Baltes Dissertation Award, awarded by the Division for Developmental Psychology of the German Society for Psychology (2009)

Elected Treasurer and Member of the Board, Division for Developmental Psychology of the German Society for Psychology (2007 - 2009)

Member, National Education Committee, APA Division 20 (Adult Development and Aging) (1995-1998)

Editor, Syllabi Collection, APA Division 20 (1995-1996)

President, American Psychological Society Student Caucus, Penn State Chapter (1991-1993)

Conference Chair, Second Regional Scientific Psychology Conference of the American Psychological Society Student Caucus at Penn State University (1992)

Member, American Psychological Society National Mentorship Committee (1991)

### **Departmental and University Service:**

#### *Heinrich-Heine-Universität Düsseldorf (since 2007)*

Consulting outside Member of Search Committees (Berufungsbeauftragte) (since 2012)

Vertrauensdozentin (Mentor) for about 15 student fellows of the Studienstiftung des deutschen Volkes (since 2012)

Departmental Representative to the Interdisciplinary Graduate and Research Academy Düsseldorf (iGrad) (since 2011)

Alternate member of the University Senate (since 2011)

Chair of the Studies and Examination Committee for the Graduate Diplom program (since 2011)

Director of Undergraduate Education and Examination, Institute for Experimental Psychology (2009 - 2011)

High School Liaison of the Institute for Experimental Psychology (since 2009)

Member, Master's Studies and Examination Committee, Institute for Experimental Psychology (2009 - 2011)

Member and alternate Chair of Search Committee for Associate Professor in Comparative Psychology (2009)

Member of the selection committee for the Best Dissertation Awards 2008, 2010, 2011, 2012, 2013 College of Mathematics and Natural Sciences

Member of Search Committee for Full Professor in Comparative Physiological Psychology (2007)

#### *University of North Carolina at Chapel Hill (1996 – 2006)*

Chair of the Library Committee, Dept. of Psychology (2006)

Elected alternate UNC-CH delegate to the Faculty Assembly of the Univ. of North Carolina System (2004 - 2006)

Chair of the Research Ethics Committee, Dept. of Psychology (March - July 2004)

Member of the Personnel Committee (tenure and hiring recommendations), Dept. of Psychology (2003 - 2006)

Member of General Education Curriculum Committee, Dept. of Psychology (2003-2004)

Member of the Undergraduate Education Committee, Dept. of Psychology (2002-2004)

Member of the Research Ethics Committee, Dept. of Psychology (2000-2004)

Advisory Board, Certificate on Aging, Institute on Aging (1999 - 2006)

Department Representative to the University Libraries, Dept. of Psychology (1997 - 2006)

Member of the organizational committee for the 2002 Meeting of the North Carolina Cognition Group

Member of Search Committees (for Assistant Professors in Cognitive Psychology), Dept. of Psychology (2000/2001 and 2001/2002)

Elected Member of the Department Chair Nominating Committee (1998)

Organizer, Duke and University of North Carolina Cognitive Consortium (DUNCCC) (1996 - 1999)

#### *The University of Memphis (1995 – 1996)*

Member of Search Committee (for Assistant Prof. in Clinical Psychology) (1995/96)

#### *The Pennsylvania State University (1992 – 1994)*

Elected Students' Representative, departmental Committee on Program Planning, Development and Evaluation (1993/94)

Students' Representative, departmental committees on teaching evaluations, and the improvement of graduate students' teaching experience (1993/94)  
 Co-Chair, Research Advisory Committee, Kappa Omicron Nu and Phi Upsilon Omicron Honor Societies, Penn State Chapters (1992-1994)  
 Workshops on Applying to Graduate School, Second Regional Scientific Psychology Conference, Penn State University; KONu and PhiU Honor Societies, Penn State Chapters (1992)  
 Student Representative, departmental Graduate Admissions Committee (1992)

**Teaching:**

*Cognitive Psychology*  
*Human Memory*  
*Life-Span Development*  
*Quantitative Methods*  
*Mathematical Psychology*  
*Research Methods*  
*Program Evaluation*  
*Cognitive Aging*  
*History of Psychology*  
*Introduction to Psychology*

**Volunteer Work:**

<i>Humboldt High School, Düsseldorf</i>	Elected parents' representative (since 2010)
<i>St. Peter's Elementary School, Düsseldorf</i>	Elected parents' representative (2010 to 2012)