

ANSGAR D. ENDRESS

Education

2001 – 2005	Ph.D. in cognitive science, EHESS, Paris, France. Advisor: Jacques Mehler.
2000 – 2001	M.Sc. in cognitive science, Ecole Polytechnique, Palaiseau, France. Advisor: Jacques Mehler.
1998 – 2000	Generalist engineering degree, Ecole Polytechnique, Palaiseau, France.
1996 – 1998	Undergraduate degree in physics ("Vordiplom"), University of Essen, Germany.

Research Experience

Since 2007	Postdoctoral Fellow at Harvard University. Advisor: Marc D. Hauser <i>Main projects: I. Constraints on artificial language learning in nonhuman and human primates. II. Perception of pictorial symbols in nonhuman primates.</i>
2005 – 2007	Postdoctoral Fellow at the International School for Advanced Studies, Trieste, Italy. Advisor: Jacques Mehler. <i>Main projects: I. Memory mechanisms in word segmentation and word learning. II. Language-universal speech cues to word categories.</i>
2000 – 2005	Research for M.Sc. and Ph.D. in cognitive science. Laboratoire de Sciences Cognitives et Psycholinguistique, EHESS, Paris, France. Advisor: Jacques Mehler. <i>Studied how evolutionarily ancient perceptual and memory mechanisms determine the kinds of language-like "grammars" humans can learn.</i>
2000	Research for Ecole Polytechnique diploma. (Prepared at the Biophysics Sector of the International School for Advanced Studies, Trieste, Italy). Advisors: Vincent Torre & Paolo Carloni. <i>Modeled the 3D structure of an ion channel and a thermophilic alcohol dehydrogenase and simulated their electrostatic properties.</i>
1997 (summer)	Division of Power Systems Research at Electricité de France, Clamart, France. <i>Simulated the effects of power plant incidents on the UCPT power grid.</i>

Honors, Awards

Since 2007	Mind, Brain and Behavior Postdoctoral Fellowship from Harvard University, Cambridge, MA
2005 – 2007	Postdoctoral Fellowship from the International School for Advanced Studies, Trieste, Italy
2001 – 2005	Ph.D. scholarship from Ecole Polytechnique, Palaiseau, France

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Honors, Awards (continued)

2000 – 2001	M.Sc. scholarship from Ecole Polytechnique, Palaiseau, France
1998 – 2000	German Academic Exchange Service scholarship
1998 – 2000	Kölner Gymnasial- und Stiftungsfond scholarship
1995 – 2001	German National Merit Foundation scholarship
1995	Winner of the classics competition of the German Federal State North-Rhine-Westphalia ("Certamen Carolinum")

Publications

- Endress, A.D.** & Mehler, J. (in press). The surprising power of statistical learning: When fragment knowledge leads to false memories of unheard words. *Journal of Memory and Language*.
- Endress, A.D.** & Mehler, J. (in press). Primitive computations in speech processing. *Quarterly Journal of Experimental Psychology*.
- Versace, E., **Endress, A.D.** & Hauser, M.D. (2008). Pattern recognition mediates flexible timing of vocalizations in nonhuman primates: experiments with cotton-top tamarins. *Animal Behaviour*, 76(6), 1885-1892.
- Toro, J.M., Shukla, M., Nespors, M., & **Endress, A.D.** (2008). The quest for generalizations over consonants: Asymmetries between consonants and vowels are not the by-product of acoustic differences. *Perception and Psychophysics*, 70(8), 1515-1525.
- Endress, A.D.** & Bonatti, L. (2007). Rapid learning of syllable classes from a perceptually continuous speech stream. *Cognition*, 105(2), 247-299.
- Endress, A.D.**, Dehaene-Lambertz, G. & Mehler, J. (2007). Perceptual constraints and the learnability of simple grammars. *Cognition*, 105(3), 577-614.
- Mehler, J., Gervain, J., **Endress, A.D.** & Shukla, M. (2007). Mechanisms of language acquisition: imaging and behavioral evidence, In: C. A. Nelson & M. Luciana (eds.): *Handbook of Developmental Cognitive Neuroscience*. 2nd edition. Cambridge, MA: MIT Press.
- Mehler, J., Nespors, M., **Endress, A.D.** & Gervain, J. (2007). From Perception to Grammar, In: A.D. Friederici & G. Thierry (eds.): *Early Language Development: Bridging Brain and Behaviour*. Trends in Language Acquisition Research (TiLAR), Volume 5, Amsterdam: John Benjamins.
- Endress, A.D.**, Scholl, B.J. & Mehler, J. (2005). The role of salience in the extraction of algebraic rules. *Journal of Experimental Psychology: General*, 134 (3), 406-419.

Manuscripts in preparation or under review

- Endress, A.D.** & Mehler, J. (under review). Perceptual constraints in phonotactic learning.
- Endress, A.D.**, Nespors, M. & Mehler, J. (under review). Perceptual and memory constraints on language acquisition.

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Manuscripts in preparation or under review (continued)

- Endress, A.D.** & Hauser, M.D. (under review). Cross-linguistic word segmentation with a universal prosodic mechanism.
- Endress, A.D.**, Cahill, D., Block, S., Watumull, J. & Hauser, M.D. (under review). An evolutionary primitive to affixation rules in human language.
- Endress, A.D.**, Carden, S., Versace, E. & Hauser, M.D. (under review). The apes' edge: Positional learning in chimpanzees and humans.
- Endress, A.D.** & Hauser, M.D. (under review). The influence of type and token frequency on the acquisition of affixation patterns.
- Kovács, Á.M. & **Endress, A.D.** (in preparation). Seven-month-old infants learn recursive "grammars."
- Kovács, Á.M., Téglás, E. & **Endress, A.D.** (in preparation). Automatic belief attribution to potential agents in adults and 7-month-old infants.
- Hochmann, J.R., **Endress, A.D.**, Mehler, J. (in preparation). Identifying and using function words: An eye-tracker study.
- Endress, A.D.** & Wood, J.N. (in preparation). From movements to actions: Two mechanisms of learning movement sequences.

Languages

German	Mother tongue
English	Near-native fluency
French	Near-native fluency
Italian	Fluent
Latin	"Latinum" (6 years of high school study)
Classical Greek	"Graecum" (4 years of high school study)

Computer Skills

Scientific Software	AMBER, E-Prime, EUROSTAG, EXPE, Maple, Matlab, MODELER, Praat, Presentation, Psyscope, R, SNNS, SPSS,...
Office Software	Different Offices, GIMP, LaTeX, ...
Programming Languages	AWK, C, HTML, Java, Javascript, Matlab, Pascal, PERL,...