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Appointments

2016–2017 **Postdoctoral Researcher** [Bootphon](#) Team (ENS/CNRS/EHESS)

Formation

2016 **PhD Cognitive Science** Université Paris 6
Supervisors : [Emmanuel Dupoux](#) and [Francis Bach](#)
Lab : [LSCP](#) (ENS/CNRS/EHESS) and [SIERRA](#) (ENS/CNRS/INRIA)

2007–2011 **Magistère Informatique et Télécommunications** ENS Cachan

2011 **M.Sci Cognitive Science** ENS, EHESS, Paris 5

2009 **Master 1 Computer Science** Université de Rennes I

2008 **B.Sci Mathematics** Université de Rennes I
B.Sci Computer Science Université de Rennes I

2004–2007 **Classes préparatoires MPSI/MP*** Lycée Chateaubriand, Rennes

Publications ([Google Scholar profile](#))

Phonetic naturalness and the shaping of sound patterns : the role of learning bias and its transmission across generations *Martin, A., Guevara-Rukoz, A., Schatz, T. & Peperkamp, S.* Submitted to Phonology.

A Quantitative Measure of the Impact of Coarticulation on Phone Discriminability (2017) *Schatz, T., Turnbull, R., Bach, F. & Dupoux, E.* Submitted to INTERSPEECH, 2017.

ASR Systems as Models of Phonetic Category Perception in Adults (2017) *Schatz, T., Bach, F. & Dupoux, E.* Submitted to CogSci, 2017.

ABX-Discriminability Measures and Applications (2016) *Schatz, T.* PhD Thesis.

The Zero Resource Speech Challenge (2015) *Versteegh, M.* , Thiollière, R.* , Schatz, T.* , Cao, X-N., Anguera, X., Jansen, A. & Dupoux, E.* Proceedings of INTERSPEECH, 2015.

Mothers Speak Less Clearly to Infants Than to Adults : A Comprehensive Test of the Hyperarticulation Hypothesis (2015) *Martin, A., Schatz, T., Versteegh, M., Miyazawa., K., Mazuka, R., Dupoux, E. & Cristia, A.* Psychological Science, (Vol. 26, n°3, pp. 341-347).

Phonetics Embedding Learning with Side Information (2014) *Synnaeve, G., Schatz, T. & Dupoux, E.* Proceedings of SLT, 2014.

Evaluating Speech Features with the Minimal-Pair ABX Task (II) : Resistance to Noise (2014) *Schatz, T., Peddinti, V., Cao, X., Bach, F., Hermansky, H. & Dupoux, E.* Proceedings of INTERSPEECH, 2014.

Exploring the Relative Role of Bottom-up and Top-down Information in Phoneme Learning (2014) *Fourtassi, A., Schatz, T., Varadarajan, B. & Dupoux, E.* Proceedings of ACL, 2014.

Evaluating Speech Features with the Minimal-Pair ABX Task (I) : Analysis of the Classical MFC/PLP Pipeline (2013) *Schatz, T., Peddinti, V., Bach, F., Jansen, A., Hermansky, H. & Dupoux, E.* Proceedings of INTERSPEECH, 2013.

A Summary of the 2012 JHU CLSP Workshop on Zero Resource Speech Technologies and Models of Early Language Acquisition (2013) *Jansen, A., Dupoux, E., Goldwater, S., Johnson, M., Khudanpur, S., Church, K., Feldman, N., Hermansky, H., Metze, F., Rose, R., Seltzer, M., Clark, P., McGraw, I., Varadarajan, B., Bennett, E., Borschinger, B., Chiu, J., Dunbar, E., Fourtassi, A., Harwath, D., Lee, C-y., Levin, K., Norouzi, A., Peddinti, V., Richardson, R., Schatz, T. & Thomas, S.* Proceedings of ICASSP, 2013.

Learning Motor Dependent Crutchfield's Information Distance to Anticipate Changes in the Topology of Sensory Body Maps (2009) *Schatz, T. & Oudeyer, P-Y.* Proceedings of ICDL, 2009. (Best student paper award)

Languages

Native French ; Fluent English ; Basic German.

* Joint first authors.