Curriculum Vitae

Leyla Roksan Çağlar
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EDUCATION

Ph.D. Candidate, Psychology Department
Rutgers, The State University, Newark, New Jersey, 2015 - Present
- Advisor: Dr. Stephen José Hanson
- Area of concentration: Computational Cognitive Neuroscience
- Affiliations: Rutgers Mind Brain Analysis Group; Rutgers Brain Imaging Center (RUBIC)

Master of Arts (M.A.) (Hons.), Psychology
Rutgers University, Newark, United States, 2015-2017
- Advisor: Dr. Stephen José Hanson
- Area of concentration: Computational Cognitive Neuroscience

Master of Arts (M.A.) (Hons.), Linguistics
Utrecht University, Utrecht, the Netherlands, 2001-2002
- Research Master, 'Linguistics: the Study of the Language Faculty'
- MA thesis: 'Traumatized Broca's Area: A Linguistic Analysis of Speech in Posttraumatic Stress Disorder'
- Advisor: Dr. Sergey Avrutin
- Area of concentration: Psycholinguistics, Neurolinguistics, Language Acquisition

Bachelor of Arts (Hons.), Major in Social Sciences, Minor in Humanities
University College Utrecht, Utrecht, the Netherlands, 2007-2010
- BA Thesis: 'Language Transfer, Dominance and the Use of Evidentiality Markers: A Proposal to Research German-Turkish Bilingual Children, the Use of Evidentiality and Crosslinguistic Influence';
- Advisor: Dr. Sergey Avrutin
- Areas in Social Sciences: Sociology, Anthropology, Psychology
- Areas in Humanities: Linguistics

SCHOLARSHIPS & AWARDS

- Dissertation Fellowship, 2019-2020
- Teaching Assistant and Graduate Assistant Professional Development Fund, 2017-2018
- Teaching Assistant and Graduate Assistant Professional Development Fund, 2016-2017

• Women of MathPsych (WoMP) Travel and Networking Award 2016 for the Professional Development Symposium and Meeting of the Society for Mathematical Psychology, New Brunswick, NJ, August 4th-7th, 2016
• Helmsley Fellowship: Genetics & Neurobiology of Language Course at Cold Spring Harbor Laboratory, 2016
• Rutgers University: Daniel S. Lehrman Fellowship, 2015 - 2016
• Travel Scholarship: RefNet Summer School on 'Psychological and Computational Models of Language Production', August 23rd – 30th, and the RefNet Workshop on Psychological and Computational Models of Reference Comprehension and Production, August 31st, Edinburgh, United Kingdom
• Selection to the Dan Sperber PLM 1st Master Class on 'Communication, Culture and Cognition', December 10th-11th 2012, Institut Jean Nicod, Paris, France
• Selected for the student-designed and student-lead interdisciplinary Sirius honors course 'Sirius Program for Excellence in Education' funded by the Dutch government on Historical Romance Linguistics

PEER-REVIEWED PUBLICATIONS

Tamm, A., **Caglar L.R**., Aksu-Koc A., Csibra G. (*in preparation*) Generic grammar makes Turkish preschoolers generalize statements and tolerate exceptions.

Colantonio, J.A., Durkin, K., **Caglar L.R.,** Shafto, P., & Bonawitz, E. (*under review*) Intentional Selection Assumption.

Gee, D.G., Hanson, C., **Caglar L.R.,** Fareri, D.S., ... (*under review*) Experimental evidence for a child-to-adolescent switch in human amygdala-prefrontal cortex communication.

Hanson, S.J., **Caglar L.R.,** & Hanson, C. (*submitted*) Thurstone, the Law of Effect, and the dynamics of Deep Learning.

Hanson, C., **Caglar, L.R.**, & Hanson, S.J. (2018). Attentional Bias in Human Category Learning: The Case of Deep Learning. *Frontiers in psychology*, *9*, 374.

Caglar, L.R., & Hanson, S.J. (2017). Back to the future: The return of cognitive functionalism. *Behavioral and Brain Sciences*, *40*.

Rhodes, M., Bonawitz, E., Shafto, P., Chen, A., & **Caglar, L**. (2015). Controlling the message: preschoolers' use of information to teach and deceive others. *Frontiers in psychology*, *6*, 867.
Durkin, K., **Caglar, L.,** Bonawitz, E., & Shafto, P. (2015) Explaining Choice Behavior: The intentional selection assumption. *Proceedings of the Thirty-seventh Cognitive Science Society.*

Caglar, L.R. (2011). "Romanization or no Romanization, that is the Question – In Search for Socio-Linguistic Identity". *Synergies Turquie*. 4. 131-138.

POSTER & ORAL PRESENTATIONS

Caglar, L.R., Hanson, S.J., Hanson, C. "Deep Learning and Attentional Bias in Human Category Learning" Conference Poster. Annual Conference on Cognitive Computational Neuroscience, New York, USA. 6-8 September, 2017.

Caglar, L.R., Hanson, S.J. "Deep Learning and Attentional Bias in Human Category Learning" Conference Poster. 15th Neural Computation and Psychology Workshop on Contemporary Neural Networks. Philadelphia, PA, USA. 8-10 August, 2016.

Caglar, L.R., Hanson, S.J. "Deep Learning and Attentional Bias in Human Category Learning" Conference Poster. 38th Annual Conference of the Cognitive Science Society. Philadelphia, PA, USA.10-13 August, 2016.

Caglar, L.R., Hanson, S.J. "Deep Learning and Attentional Bias in Human Category Learning" Conference Poster. 49th Annual Meeting of the Society for Mathematical Psychology. New Brunswick, NJ, USA. 4-7 August, 2016.

Aksu-Koc, A., **Caglar, L.R.**, Tamm A., Csibra G. "Do Turkish indirect evidential sentences provide information but thwart generalization?" Workshop Presentation. Empirical Evidence for Evidentiality. Radbound University, Nijmege, the Netherlands. 9-10 January, 2014.

Tamm, A., **Caglar L.R.,** Aksu-Koc A., Csibra G. "Generic grammar makes Turkish preschoolers generalize statements and tolerate exceptions" Poster. Budapest CEU Conference on Cognitive Development (BCCCD14) Budapest, Hungary. 10-12.01.2013.

Caglar, L.R. "Language Transfer, Dominance and the Use of Evidentiality Markers." Poster. Budapest CEU Conference on Cognitive Development (BCCCD13) Budapest, Hungary. 10-12.01.2013.

Caglar, L.R., Jellinek, S., Tamm, A. "Vonzásban és vonzáson túl - néhány gondolat az evidencialitásró"l [In and out of argument structure: some thoughts on evidentiality]. Vonzásban és változásban [Argument structure and language change] workshop. Pécs, Dec 20-21.

Caglar, L.R., Jellinek, S., Tamm, A. "Evidentiality and Language Change: Observations and Predictions for Dominant Language-transfer in German, Turkish, Hungarian and Estonian." Language Theory and Contact Linguistics. Piliscsaba, Hungary. 13-14 November, 2012.

RESEARCH POSITIONS

Lab Manager, Computational Cognitive Development Lab, Psychology Department, Rutgers, the State University, Newark, New Jersey, USA, 2013-2015
- Principle Investigator: Dr. Elizabeth Bonawitz
- Helping build and maintain collaborations at local daycares and museums; responsible for data collection involving conducting interviews and experiments with children and adults; keeping organized records of participant pool and data; preparing progress reports; directing undergraduate research assistants
- Organizing weekly departmental Developmental Brown Bag (Fall 2014 – Spring 2015)

Research Fellow, Cognitive Science Department, Central European University, Budapest, Hungary, 2012-2013
- Research topics: Evidentiality and generics and their cognitive implications in concept formation
- Supervisors: Dr. Gergely Csibra, Dr. Anne Tamm
- Carrying out experiments with 4 and 6 year-old children at Boğaziçi University with Dr. Ayhan Aksu-Koç, February-March 2012

Researcher, Department of Psychiatry, New York University, New York, United States of America, June-August 2012
- Research topics: Speech and Posttraumatic Stress Disorder
- Supervisor: Dr. Alexander Neumeister

Intern, 'PluS' Research Group, University of Vienna, Vienna, Austria, Fall 2011
- 'When Plurilingual Speakers Encounter Unilingual Environments. Migrants from African Countries in Vienna: Language Practices and Institutional Communication' (PluS)
- Supervisor: Univ.-Prof. Dr. Brigitta Busch

Conceptualizing and Running an Honors Course, Sirius Honors Course 'Sirius Program for Excellence in Education', University College Utrecht, Utrecht, the Netherlands, 2009-2010
- student-designed and student-led interdisciplinary Sirius honors course on Historical Romance Linguistics funded by the Dutch government
- Group research topic: 'From Vulgar Latin to the Romance Languages'
- Supervisors: Dr. Thomas Hard, Dr. Rosemary Orr

Intern, Max Plank Institute for Psycholinguistics, Nijmegen, the Netherlands, Summer 2009

• Research topics: 'Grammatical Evidentiality Development in Turkish-German Bilingual Children'
• Supervisor: Dr. Özge Öztürk

TEACHING EXPERIENCE

Statistical Methods for the Cognitive and Behavioral Sciences (undergraduate level)
    • Teaching Assistant, Fall 2017 – Spring 2019

Experimental Methods for the Cognitive and Behavioral Sciences (undergraduate level)
    • Teaching Assistant, Spring 2017

Principles of Psychology (undergraduate level)
    • Teaching Assistant, Fall 2016

PROFESSIONAL EXPERIENCE

Translator (Freelance)
    • 'Conflict in Diversity' project of the Max Planck Institute for the Study of Religious and Ethnic Diversity translated from Turkish to German, Goettingen, 2010
    • 'Noel Baba'dan Mektuplar' ("Letters from Father Christmas") (J.R.Tolkien) translated from English to Turkish for Okuyan Us Yayinlari Publishing House, published in Nov. 2006.

Native Language Assistant (NLA)
    • Turkish Language contribution to European Telecom Standard in Spoken Command Vocabulary for ICT devices and services, 2009-2010

ACADEMIC SERVICES

Graduate Representative, Psychology Graduate Students
    • Rutgers University Graduate Student Government, 2016 – Present

Rutgers Teaching Assistants and Graduate Assistants Union Representative for the Psychology Department (2017 – Present)

Editorial Services
    • Ad hoc reviewer for: Acta Linguistica, Hungarica, NeuroImage

Conference/Colloquium Organization
  • **Co-organizer** of the prospective graduate student recruitment day 2018
  • **Organizer** of a colloquium for Dr. Willem Frankenhuis, Fall 2017
  • **Co-organizer** of the prospective graduate student recruitment day 2017
  • **Co-organizer** of the 'Computational Models of Cognitive Development' Pre-Conference at the bi-annual Cognitive Development Society Meeting, October 18th-19th 2013, Memphis, Tennessee, United States
  • **Co-Organizer** of the public symposium for the Sirius honors course in 2010
  • **Co-Organizer** of the International Colloquium 'Transnational Linguistic Repertoires: Communication in Courts and Public Agencies', 3-4 November 2011, Vienna, Austria

PROFICIENCES

Data Sciences
  • Brain Imaging: functional Magnetic Resonance Imaging (fMRI), FSL
  • Artificial neural networks, deep learning, dimensionality reduction, graph analysis, machine learning, multivariate statistics, psychophysics

Programming
  • CHAT, Bash, Python, R, SPSS

Presentation
  • Amazon Mechanical Turk, Jupyter, LaTeX, Qualtrics, SurveyMonkey

LANGUAGE SKILLS

• German, native	• Italian, advanced (C1)	• Dutch, elementary (A2)
• Turkish, native	• French, intermediate (B2)	• Latin, advanced (Latinum)
• English, near-native (C2)	• Hungarian, elementary (A2)	• Ancient Greek, (Graecum)