The Norwegian Institute at Athens cordially invites you to an Open Seminar organized by Professor Arve Egil Asbjørnsen from the Department of Biological and Medical Psychology at the University of Bergen.

Implicit Learning of Distributed Cues in Language and Music

NIA: Seminar Room

The workshop will take place on **Monday, 20 May 2024,** from **10 a.m.** to **2 p.m.** (EEST) at the Norwegian Institute at Athens, Tsami Karatasou 5, 11742, and it will also be live streamed via Zoom.

Registration is required for both in-person and virtual attendance.

To attend in-person, please register at norwinst@uib.no

To attend via Zoom, please register via the following link:

https://uib.zoom.us/meeting/register/u5cldeihqz8vGtQVXhNGafBHffy-8OCv6ZmF

The Seminar

Language disorders affect a significant number of our children, and language-based learning disorders have serious impact on the lives of a considerable part of the population. More established theoretical models have only yielded limited success as tools for intervention and remediation of language disorders. Recent studies on implicit learning of distributed stimuli have unveiled insights into the acquisition of probabilistic knowledge and the formation of anticipatory mechanisms in both linguistic and musical domains. Implicit statistical learning is not only fundamental to our adaptive capabilities but also pivotal to our cognitive development. Recent scholarly attention has shifted towards unraveling the contribution of this elemental learning process to more sophisticated forms of knowledge acquisition, both within music and language.

During our seminar, we will engage in a dive into the practical applications of implicit statistical learning. We will discuss its potential and its contributions to our knowledge on perception of music and language as well as on language learning. Statistical language learning has also shown valuable as a tool for developing intervention for language disorders, and we will discuss how this research pave the way for innovative strategies in treating language disorders.

List of Speakers

Arve Asbjørnsen, Professor of Logopedics, Department of Biological and Medical Psychology, The University of Bergen

Elena Plante, Professor, Department of Speech, Language and Hearing Science, The University of Arizona, Tucson Arizona

Vera (Barbara) Tsogli, PhD, Secondary Education Teacher and volunteer research assistant in the Laboratory of Cognitive Neuroscience and Sensorimotor Control, University of Athens.

Sunniva S. Eidsvåg, Associate Professor and PhD candidate, Department of Biological and Medical Psychology, The University of Bergen

Frøydis Morken, Associate Professor, Department of Biological and Medical Psychology, The University of Bergen

Program

10.00-10.15	Welcome and opening remarks	Arve Asbjørnsen,
10.15-10.45	Introduction to implicit statistical learning	Arve Asbjørnsen
10.45-11.15	The neural reality of statistical learning	Elena Plante,
11.15-12.00	Coffee and discussions	
12.00-12.30	How the Brain Reacts to Violations of Predictions Based on Statistical Learning.	Vera Tsogli,
12.30-13.00	Exploring Factors that Might Affect Statistical Language Learning: Conclusions from a PhD project	Sunniva S. Eidsvåg
13.00-13.30	"SpedAims": A long-term investigation of special needs and inclusive practice	Frøydis Morken,
13.30-14.00	Discussion	