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# Bshara Awwad

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## ***SUMMARY***

- Experience of 15 years in the clinical audiology field and the neuroscience behind it
  - Deep integrative and interdisciplinary knowledge about hearing and the auditory system with other fields
  - Research oriented to clinical and basic science
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## **WORK HISTORY**

### ***Saint Vincent de Paul Hospital***

*Supervisor on the infant hearing screening program and the Audiological Clinic | Nazareth | January 2010- current*

- Supervising 3000 annual newborns hearing screening that include training new audiologists, fulfil the requirements of the ministry of health, and the relevant follow up
- In charge of all the activities in the Audiological Clinic

### ***The Holy Family Hospital***

*Supervisor on the infant hearing screening program | Nazareth | January 2010- current*

- Supervising 2300 annual newborns hearing screening that include training new audiologists, fulfil the requirements of the ministry of health, and the relevant follow up

### ***Sonova (formerly Steiner hearing instruments LTD.)***

*Clinical Audiologist and Regional Manager | ISRAEL | June 2005-AUG 2016*

- Evaluated and treated a wide range of conditions including: hearing aids fitting for pediatric and adult patients, consultation for cochlear implants candidates, educating patients about: tinnitus, Auditory Processing Disorders (APD) and middle and inner ear diseased
- Creating co-operative links with ENTs and family physicians, hospitals, universities and private clinics
- Led the planning and achievements of goals and objectives consistent with the agency mission and philosophy
- Recruited, hired and trained new Audiologists

- Supervised and managed the daily activities of clinical team consisting of audiologists, speech pathologists and supporting staff

### ***Saint Vincent De Paul- THE CHILD DEVELOPMENT CENTER***

*Speech Pathologist | Nazareth | Jan. 2005- Jan. 2010*

- Treating wide range of speech and language impairments in wide range of speech disorders and syndromes

### ***Ha'emek Hospital***

*Clinical audiologist | Afula | Jan. 2005- Dec. 2008*

- Auditory evoked potentials assessments

### ***Tali Bitan LAB***

Haifa University

*Research assistance | Haifa | Jan. 2008-Jan. 2009*

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## **EDUCATION**

### ***Ph.D. candidate in Auditory neuroscience***

The Hebrew University of Jerusalem

Israel Nelken LAB

Jerusalem | Current

- *Thesis project: Representation of temporal sound features in the mammalian Auditory Cortex*

### ***M.A neuroscience (Private Track)***

Haifa University

Haifa, | 2011

- *Thesis Project: neural development of the Auditory Brainstem Responses and the late latency responses over the first year after Cochlear Implantation*

## ***B.A in communication sciences and disorders***

Haifa University

Haifa | 2004

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### **Certifications and Courses**

NeuroBridges | 2018

Cluny-FRANCE

- *A Mediterranean, Middle eastern Summer School in Computational Neuroscience*

### ***TIP***

The Hebrew University of Jerusalem | 2017

- *Trans disciplinary Innovation program (TIP)*

### ***Clinical Evoked Potentials***

International Federation of Clinical Neurophysiology (IFCN)

By the Technion Institute

Haifa | 2008

- *Workshop on clinical Auditory, Visual and Somatosensory evoked potentials*

### ***Evoked Potentials and behavior***

Technion Institute

Haifa | 2008

- *-course number 278303*

### ***Short latency evoked potentials***

Technion Institute

Haifa | 2007

- *- course number 278302*

### ***Hires90k CI***

Advanced Bionics LTD.

Varese-ITALY | 2007

- Electrophysiology assessments in Hires90K Cochlear Implant system

### ***Hires90k CI***

Advanced Bionics LTD.

Nottingham -UK | 2007

- Workshop on Hires90K Cochlear Implant system
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## **Publications and Abstracts**

- Synaptic Recruitment enhances Gap Responses in the Rat Auditory Cortex. *(in prep.)*. Bshara Awwad and Israel Nelken
- Multiple timescales account for the commonality of adaptive responses across sensory modalities. *(in prep.)*. Dylan Barbera, Adrienne Fairhall, Bshara Awwad, Ilan Lmaple, Israel Nelken , and Nicholas Priebe
- Stimulus Specific Adaptation in the Auditory System – Models and Data. COSYNE 2014. Israel Nelken, Leila khouri, Bshara Awwad, Itai Hershenhoren, Amit Yaron and Tohar Yarden.

## **Presentations and Posters**

- The Role of interneurons in maintaining sensitivity to sensory cue in on-going sounds: The case of gap detection in the mouse Primary Auditory Cortex. POSTER in ARO conference 2019- Baltimore.
- Synaptic Recruitment for maintaining sensitivity to important sensory cues: the case of Temporal Gaps in the Rat Auditory Cortex. POSTER in Leopoldina meeting 2018-Berlin
- Synaptic Recruitment for maintaining sensitivity to important sensory cues: the case of Temporal Gaps in the Rat Auditory Cortex. PRESENTATION in the Israel Society of Auditory Research 2017- Tel Aviv
- Cortical mechanism underlying responses to temporal gaps. POSTER in SFN conference 2017- Washington DC
- Stimulus Specific Adaptation to temporal gaps in Anesthetized and freely moving Rats. PRESENTATION in the Israel Society of Auditory Research 2015- Tel Aviv
- Stimulus Specific Adaptation to temporal gaps. POSTER in Auditory Cortex conference 2014- Magdeburg

- Changes in the Neural Activity in the Auditory Brainstem Responses following Cochlear Implantation. PRESENTATION in the Israel Society of Auditory Research 2011- Tel Aviv
- Cortical Plasticity through the first year after cochlear implantation. PRESENTATION in Israeli Speech, Hearing and Language Association conference 2011- Tel Aviv

### **Honors and awards**

2016- Tsvi Yanay grant from the ministry of Science, Technology and Space (250k nis)