

# Curriculum Vitae

## Alex Bahar-Fuchs, PhD, MAPS

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### Contact

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### Summary of Skills

- Clinical interviewing skills
  - Extensive knowledge of psychological test administration and interpretation
  - Experience employing brief therapeutic interventions including CBT, cognitive rehabilitation
  - Excellent verbal and written communication skills
  - Fluency in three languages (English, Hebrew, Spanish)
  - Extensive knowledge in research methods, statistical analysis, and the use of statistical software packages (SPSS, SAS, AMOS)
  - Preparation and delivery of talks and lectures
  - Communication of research findings via manuscripts and conference appearances
  - Basic computer programming skills
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### Education Summary

2005-2009     **PhD (Clinical Neuropsychology)**, Monash University, Melbourne, Australia. Thesis Title: Olfaction and the Early Detection of Alzheimer's Disease (Supervision: A/Prof Greg Savage & Dr Simon Moss).

**Note:** The equivalent of a masters degree was also completed between 2005-2007, including all coursework and practica requirements.

2004     **Postgraduate Diploma in Psychology (First Class Honors)**, The University of Melbourne. Thesis Title: Screening for Cognitive Deterioration in the Elderly: Detection of Clock-Anomalies, and Object-Place Association (Supervision: Prof Michael Saling)

1999-2002     **Bachelor of Arts (Major in Psychology)**, Ben-Gurion University, Beer-Sheba, Israel

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## Current Appointments

2011-            **Postdoctoral Research Fellow** – Centre for Mental Health Research, ANU

## Past Appointments

2008–2011    **Research Neuropsychologist**, Department of Nuclear Medicine, Austin Hospital

**Duties:** Neuropsychological assessment of persons enrolled in various imaging studies in the Nuclear Medicine Department. Participation in team meetings. Contribution to manuscript preparation

2009-2011    **Clinical Neuropsychologist**, Kingston Centre, Melbourne

**Duties:** Neuropsychological assessment of persons with acquired brain injuries and neurological disorders. Assessments of decision-making capacity for court hearings. Cognitive rehabilitation, counseling and psycho-education of patients and their families. Development and promotion of quality projects, education sessions, and professional development

2008            **Clinical Neuropsychologist**, Caulfield and Epworth Hospitals, Melbourne

**Duties:** Neuropsychological assessment of older persons with acquired brain injuries and neurological disorders. Assessments of decision-making capacity for court hearings. Cognitive rehabilitation, counseling and psycho-education of patients and their families.

2008            **Research Methods Unit Coordinator**, School of Psychology, The University of Melbourne

**Duties:** Head tutor in the undergraduate Research Methods Unit. Preparation of lecture material, group instruction to tutors in the unit, consultations to students

2005- 2007    **Research Assistant/Statistician**, Monash-Epworth Rehabilitation Research Centre

**Duties:** Management and statistical analysis of a large data-base of TBI outcome data. Contribution to report-writing to funding body (TAC) and to manuscript preparation for peer-reviewed journals

2005            **Tutor**, School of Psychology & Psychiatry, Monash University

**Units taken:** Developmental Psychology & Research Methods

**Duties:** Taught 4 weekly in-class hours. Preparation of class material and assignment marking

2004            **Research Assistant**, Department of Psychology, Melbourne University, Melbourne

**Duties:** Administration of experiments in the psycholinguistics laboratory

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## Publications and Papers

### Refereed journal articles

**Bahar-Fuchs, A.**, Moss, S., Rowe, C., & Savage, G. (In Press). Awareness of olfactory deficits in healthy ageing, amnesic mild cognitive impairment, and Alzheimer's disease. *International Psychogeriatrics*. DOI:10.1017/S1041610210002371

**Bahar-Fuchs, A.**, Chételat, G., Moss, S., Pike, K., Villemagne, V., Masters, C., Rowe, C. & Savage, G. (2010). The relationship between olfactory deficits and Beta-Amyloid burden in AD, MCI and healthy aging: A PIB-PET study. *Journal of Alzheimer's Disease*, 22(4), 1081-1087.

**Bahar-Fuchs, A.**, Moss, S., Rowe, C., & Savage, G., (2010). Can I smell gas (or is it lilac)? Olfactory semantic deficits in Mild Cognitive Impairment and Alzheimer's disease. *Chemosensory Perception*. 3(2), 118-128. DOI: [10.1007/s12078-010-9069-x](https://doi.org/10.1007/s12078-010-9069-x)

**Bahar-Fuchs, A.**, Moss, S., Rowe, C., & Savage, G., (2010). Unirhinal olfactory performance in MCI and AD: Evidence for asymmetry in performance. *Chemical Senses*, 35(9), 855-862. DOI:10.1093/chemse/bjq094

Ponsford, J., Hill, B., Karamitsios, M., & **Bahar-Fuchs, A.** (2008). Factors influencing outcome after orthopedic trauma. *J Trauma*, 64(4), 1001-1009.

Ponsford, J., Whelan, R. & **Bahar-Fuchs, A.** (2007) Alcohol and Drug Use Following Traumatic Brain Injury: A Prospective Study. *Brain Injury* 21(13) 1385-1392

Ellis KA, Bush AI, Darby D, De Fazio D, Foster J, Hudson P, Lauteschlager NT, Lenzo N, Martins RN, Maruff P, Masters C, Milner A, Pike K, Rowe C, Savage G, Szoeki C, Taddei K, Villemagne V, Woodward M, Ames D, and the AIBL Research Group<sup>1</sup>. (2009) The Australian Imaging, Biomarkers and Lifestyle Study of ageing (AIBL): methodology and baseline characteristics of 1112 individuals recruited for a longitudinal study of Alzheimer's disease. *International Psychogeriatrics*, 21(4); 672-687

### Papers in preparation

**Bahar-Fuchs, A.**, Villemagne, V., Lamb, F., Pejoska, S., Rowe, C., Darby, D. "Olfactory identification, memory decline and A $\beta$  burden in healthy older adults". (In Preparation)

Ong, K., Villemagne, V., **Bahar-Fuchs, A.**, Reininger, C., Putz, B., Rohde, B., Masters, C., Rowe, C. "Assessment of A-beta Deposition in Mild Cognitive Impairment with 18F-Florbetaben". (In Preparation)

### Published abstracts

Ong K, Villemagne V, **Bahar-Fuchs A**, Lamb F, Chételat G, Reininger C, Putz B, Rohde B, Masters C, Rowe C. (2011). Conversion from mild cognitive impairment to Alzheimer's disease over 12 months: Predictive value of A $\beta$  imaging with 18F-Florbetaben. *The Journal of Nuclear Medicine*, 52(S1), p170.

Ong, K., Villemagne, V., **Bahar-Fuchs, A.**, Reininger, C., Putz, B., Rohde, B., Masters, C., Rowe, C. (2010). Assessment of A $\beta$  Deposition in Mild Cognitive Impairment with 18F-Florbetaben. *The Journal of Nuclear Medicine*, 51(S2), p438.

Ong, K., Villemagne, V., **Bahar-Fuchs, A.**, Langdon, N., Holl, G., Reininger, C., Putz, B., Jones, G., Mulligan, R., Pejoska, S., Rohde, B., Masters, C., Rowe, C. (2010). Assessment of A-beta Deposition in Mild Cognitive Impairment with 18F-Florbetaben. *Alzheimer's and Dementia*, 6(S1), S26

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<sup>1</sup> As part of the AIBL study team

**Bahar-Fuchs, A.,** Moss, S., & Savage, G. (2008). Unirhinal Olfactory Identification and Memory in Alzheimer's disease, Mild Cognitive Impairment and Healthy Aging. *Brain Impairment*, 9, 77-78.

**Bahar-Fuchs, A.,** Moss, S., Pike, K., Villemagne, V., Rowe, C. & Savage, G. (2008) The relationship between olfactory deficits and Beta-Amyloid burden in AD, MCI and healthy aging: A PIB-PET study. *Alzheimer's and Dementia*, 4(S4), T251-T252

**Bahar-Fuchs, A.,** Savage, G., Rowe, C., & Moss, S. (2007). Decline of olfactory identification in MCI and AD: Evidence for the breakdown of olfactory "semantics". *Journal of the International Neuropsychological Society*, 13(S2), 102.

**Bahar-Fuchs, A.,** & Savage, G. (2006). Asymmetrical decline of olfactory identification in MCI and AD: Evidence for the breakdown of olfactory "semantics". *Australian Journal of Psychology*, 58(S1), p224.

**Bahar-Fuchs, A.** & Saling, M. (2006). Screening for cognitive deterioration in the elderly: Clock anomalies detection and object-place association task. *Australian Journal of Psychology*, 57(S1), p8.

### **Conference presentations (not published as abstracts/proceedings), invited papers**

**Bahar-Fuchs, A.,** Villemagne, V., Lamb, F., Pejoska, S., Rowe, C. (2010). The relationship between olfactory identification and episodic memory decline in healthy older adults with and without A $\beta$  burden on PiB PET. Paper presented at the 16<sup>th</sup> Annual Conference of the APS College of Clinical Neuropsychology, Notre Dame University, Fremantle, WA, Australia. September 30- October 2, 2010

Ong, K., Villemagne, V., **Bahar-Fuchs, A.,** Langdon, N., Holl, G., Reininger, C., Putz, B., Rohde, B., Masters, C., Rowe, C. (2010) Assessment of A-beta Deposition in Mild Cognitive Impairment with 18F-Florbetaben. Poster presented at the Society of Nuclear Medicine Annual Meeting, Salt Lake City, Utah, USA, June 2010

**Bahar-Fuchs, A.** (2007). Olfactory semantics in dementia. Invited Speaker, Macquarie Centre for Cognitive Science, Sydney, Australia, 12th June, 2007

**Bahar-Fuchs, A.** (2007). Decline in Olfactory Identification among AD & MCI Patients. Invited Speaker, Psychology Postgraduate Colloquium, Department of Psychology, Melbourne University, Melbourne 27th April, 2007

### **Ad hoc Reviewer (Journals)**

- *Journal of Neurology, Neurosurgery, and Psychiatry*
- *Journal of the International Neuropsychological Society*
- *Journal of Alzheimer's Disease*

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## **Memberships and Awards**

### **Memberships**

- Registered Psychologist, **Psychology Board of Australia**
- Endorsed as a clinical neuropsychologist by the **Psychology Board of Australia**
- Member of the **Australian Psychological Society (APS)**
- Member of the **APS College of Clinical Neuropsychologists**
- Member of the **Australian Society for the Study of Brain Impairment**

- Member of the **Australian Association for Cognitive and Behavior Therapy**

#### **Awards**

- 2008 Recipient of the '**Best Poster Presentation Award**', at the 31<sup>st</sup> conference of the Australian Society for the Study of Brain Impairment, May 1-3, 2008, Melbourne, Australia.
- 2005-2009 Recipient of the **Monash International Research Scholarship (MIPRS)**
- 2005-2009 Recipient of the **Monash Graduate Scholarship (MGS)**
- 2004 Recipient of the University of Melbourne '**International Postgraduate Coursework Scholarship**'
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