

# Sin Hang (Aubrey) Lau

Phone: (712) 360-1752 | Email: aubreylausinghang@gmail.com | Website: www.lausinhang.com

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## Research Interests

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**Broad:** Psycholinguistics

**Narrow:** Language production, sentence processing, corpus linguistics

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## Education

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### UNIVERSITY OF CALIFORNIA, SAN DIEGO

*Ph.D. in Experimental Psychology (Cognitive)*

Advisor: Dr. Victor S. Ferreira

San Diego, CA  
Fall 2017 - Present

### UNIVERSITY OF HONG KONG

*B.A. in General Linguistics*

- First Class Honors
- Dean's Honors List (2012-2013; 2014-2015; 2015-2016)

Hong Kong  
2012-2016

### UNIVERSITY OF CALIFORNIA, SANTA BARBARA

*UCEAP Exchange Program*

- Evergreen Scholarship (HKD \$12,000)
- Dean's Honors (Letters and Science, Spring Quarter)

Santa Barbara, CA  
Winter & Spring Quarters, 2015

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## Research Experience

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### LANGUAGE PRODUCTION LAB

*University of California, San Diego, PIs: Dr. Victor S. Ferreira and Dr. Tamar Gollan*

Sept 2017- Present

- Graduate Student Researcher, conducting speech planning and syntactic processing research using error elicitation techniques, artificial language learning paradigms, and corpus studies

### HKU LANGUAGE PROCESSING LAB

*University of Hong Kong, PI: Dr. Heeju Hwang*

Sept 2015 - May 2016

- Research Assistant, assisted in Cantonese pronoun processing, Chinese-English and Korean-English bilingual and cross-linguistic research

### SCHOOL OF ENGLISH

*University of Hong Kong, Supervisors: Dr. Adrian Pablé and Dr. Chris Hutton*

May – Jul 2014  
May – Aug 2013

- Research Assistant, assisted in philosophy of language and models of communication research

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## Publications

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Lau, S. H., Huang, Y., Ferreira, V. S., & Vul, E. (*in press*). Perceptual Features Predict Word Frequency Asymmetry Across Modalities. *Special Issue in Attention, Perception, & Psychophysics*.

Lau, S., & Hwang, H. (2016). The Effects of Frequency on Pronoun Production. *Journal of Cognitive Science*, 17(4), 547-569.

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## Conference Presentations

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### INTERNATIONAL WORKSHOP ON LANGUAGE PRODUCTION (IWLP)

*Poster presentation entitled "Learning Structural Generalizations: What tells learners how to generalize?"*

Nijmegen, the Netherlands  
Jul 2018

\* Runner-up for the Student Poster Award (100 Euro)

### INTERNATIONAL WORKSHOP ON LANGUAGE PRODUCTION (IWLP)

*Poster presentation entitled "Frequency affects pronoun production"*

San Diego, CA  
Jul 2016

\* The abstract was also accepted by Architectures and Mechanisms for Language Processing (AMLaP)

## INTERGRATIONISM AND HUMANISM

(International Association for the Integral Study of Language & Communication)  
Short talk entitled "Reflections on Integrationism from an Undergraduate's Perspective"

Oberägeri, Switzerland  
Jun 2014

\* The pedagogical methodology, learning outcomes, and social implications of communication theories and models

## INTERNATIONAL COLLOQUIUM ON INTEGRATIONAL LINGUISTICS

Short Powerpoint presentation entitled "HKU Teaching Integrational Linguistics to First-year Undergraduates"  
with Dr. Adrian Pablé

Hong Kong  
Jun 2013

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### Service

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## ANNUAL RESEARCH FORUM, THE LINGUISTICS SOCIETY OF HONG KONG

Student Volunteer

Hong Kong  
Dec 2015

\* Assisted presenters with technological issues and provided concierge services

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### Research Skills

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#### Survey/ Data Collection

*Qualtrics*  
*Amazon Mechanical Turk*

#### Experimental Design

*OpenSesame*  
*E-Prime and E-Run*  
*Psychopy*

#### Programming

*Python and NLTK* Data extraction (corpora and tree banks), frequency distribution, regular expressions, basic part-of-speech tagger training and implementation, basic Context-Free Grammar and Probabilistic Context-Free Grammar

#### Phonetic Analysis

*Praat* Voice-onset time analysis, basic spectrogram analysis

#### Statistical Analysis

*Excel* Preliminary analysis, data visualization  
*R* ANOVAs, mixed-effects models, ggplot2 data visualization

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### Languages

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#### Cantonese

*Native*

#### English

*Professional* (GRE: 161V 88<sup>th</sup> Percentile; TOEFL: 117/120)

#### Mandarin

*Professional*