# **Kevin Tang**

Ph.D. (UCL), M.Eng. (Cambridge), M.A. (Cambridge & UCL), CMALT

➤ Postal: Letter box 9616 / • Office: Room 14, 1st floor

School of International Studies, East Building 5

Zijingang Campus, Zhejiang University

No. 866 Yuhangtang Road, Hangzhou, Zhejiang

Postcode: 310058, China

ORCID: 0000-0001-7382-9344 **Google** Scholar: goo.gl/pcjXNX

in kevintangcantab

# Academic employment

2017-Present Zhejiang University, Hangzhou, China

Department of Linguistics and Translation, School of International Studies

Position: Assistant Professor

(ZJU 100 Young Professor, 'Hundred Talents Program')<sup>1</sup>

2015-2017 Yale University, New Haven, CT, USA

Position: Postdoctoral Associate in Linguistics

SUPERVISOR: Ryan Bennett

Education

2011–2015 University College London, London, United Kingdom

Ph.D. in Linguistics, October 2015

Thesis: Naturalistic Speech Misperception

ADVISORS: Andrew Nevins (Primary) & Stuart Rosen (Secondary) VIVA COMMITTEE: John Harris (Internal) & Bert Vaux (External)

2010–2011 University College London, London, United Kingdom

M.A. in Linguistics, November 2011

DISSERTATION: Phonetic trends in slips of the ear

Supervisor: Andrew Nevins

Class: Distinction (Dissertation and all modules)

2009–2010 University of Cambridge, Cambridge, United Kingdom

M.Eng. in Engineering, June 2010

Advisors: Dong Fang Liang & Rebecca Zeckoski

CLASS: Honours Pass (Dissertation: Honours with Merit; Modules: Honours

Pass)

2006–2009 University of Cambridge, Cambridge, United Kingdom

B.A. in Engineering, June 2010

Class: 2.i.

<sup>&</sup>lt;sup>1</sup>The Hundred Talents Program: http://www.1000plan.org/qrjh/article/54499 1 of 15

#### **Publications**

#### Ph.D. Thesis

2015

**Kevin Tang**. 2015. Naturalistic speech misperception. University College London dissertation [pdf] [bib]

This thesis yielded a new corpus containing  $\approx 5,000$  instances of naturally occurring misperception of conversational English. Please see the SEAR (Slips of the **EAR**) Project for more details: www.searproject.org

#### JOURNAL ARTICLES AND PROCEEDINGS (PUBLISHED OR ACCEPTED)

Accepted

M.M.C. DeMille, **Kevin Tang**, C. Mehta, Christopher Geissler, J.G. Malins, N.R. Powers, B.M. Bowen, A.K. Adams, D.T. Truong, J.C. Frijters & J.R. Gruen. Accepted. Worldwide distribution of the DCDC2 READ1 element and its relationship with phoneme variation across languages. *Proceedings of the National Academy of Sciences* [SCI]

2017

Peter Howell, Kaho Yoshikawa, **Kevin Tang**, John Harris & Clarissa Sorger. 2017. Intervention for word-finding difficulty for children starting school who have diverse language backgrounds. In Robert Eklund & Ralph Rose (ed.), *Proceedings of Disfluencies in Spontaneous Speech*, 8th workshop, vol. 58, 33–36. Stockholm, Sweden: KTH Royal Institute of Technology, TMH-QPSR [pdf] [bib]

2017

Peter Howell, **Kevin Tang**, Outi Tuomainen, Sin Kan Chan, Kirsten Beltran, Avin Mirawdeli & John Harris. 2017. Identification of fluency and word-finding difficulty in samples of children with diverse language backgrounds. *International Journal of Language & Communication Disorders* 52(5). 595–611. http://dx.doi.org/10.1111/1460-6984.12305 [pdf] [bib] [SSCI, SCI Expanded]
(Part of the Fluency In School Team project: www.fistproject.org)

2015

Andrew Nevins, Cilene Rodrigues & **Kevin Tang**. 2015. The rise and fall of the l-shaped morphome: diachronic and experimental studies. *Probus: International Journal of Latin and Romance Linguistics* 27(1). 101–155. http://dx.doi.org/10.1515/probus-2015-0002 [pdf] [bib] [SSCI, A&HCI] (Equal contribution authorship.)

2014

Kevin Tang & Andrew Nevins. 2014. Measuring segmental and lexical trends in a corpus of naturalistic speech. In Hsin-Lun Huang, Ethan Poole & Amanda Rysling (eds.), Proceedings of the 43rd meeting of the north east linguistic society, vol. 2, 153–166. GLSA (Graduate Linguistics Student Association) [pdf] [bib]

## JOURNAL ARTICLES (SUBMITTED OR IN REVISION)

Revised Resubmitted & **Kevin Tang** & Ryan Bennett. In revision. Contextual predictability influences word duration in a morphologically complex language (kaqchikel mayan). The Journal of the Acoustical Society of America [SCI, SCI Expanded] 2 of 15

Revised Resubmitted Ryan Bennett, **Kevin Tang** & Juan Ajsivinac. Revised & Resubmitted. Statistical and acoustic effects on the perception of stop consonants in Kaqchikel (Mayan). *Laboratory Phonology* [SSCI, A&HCI]

In revision

Ryan Bennett, **Kevin Tang** & Juan Ajsivinac. In revision. Laryngeal cooccurrence restrictions as constraints on sub-segmental articulatory structure. Natural Language & Linguistic Theory [SSCI, A&HCI]

#### WORKING PAPERS

2013 **Kevin Tang** & Andrew Nevins. 2013. Quantifying the diachronic productivity of irregular verbal patterns in Romance. *UCL Working Papers in Linguistics* 25. 289–308 [pdf] [bib]

2012 **Kevin Tang**. 2012. A 61 million word corpus of brazilian portuguese film subtitles as a resource for linguistic research. *UCL Working Papers in Linguistics* 24. 208–214 [pdf] [bib]

#### Manuscripts in Preparation

In prep. John Harris, **Kevin Tang** & Eno-Abasi Urua. In prep. Lenition as modulation reduction: consonant allophony in Ibibio.

In prep. **Kevin Tang** & John Harris. In prep. A functional-load account of geminate contrastiveness: a meta-study.

In prep. Peter Howell, Li Ying Chua, Kaho Yoshikawa, John Harris & **Kevin Tang**. In prep. An In-School Intervention for Reception-Class Children who have Fluency Difficulty.

In prep. John Harris, Nicholas Neasom & **Kevin Tang**. In prep. Phonotactics with [awt] rules: the learnability of a simple, unnatural pattern in English.

#### Presentations

#### PEER-REVIEWED TALKS

2018	Kevin Tang & Faruk Akkus. January, 2018. OCP Effects in Turkish Partial
	Reduplication: Locality and Feature Specificity. The 15th Old World Confer-
	ence in Phonology, London, United Kingdom.
2017	Ryan Bennett, <b>Kevin Tang</b> & Juan Ajsivinac Sian. October, 2017. Laryn-
	geal co-occurrence restrictions in kaqchikel reflect articulatory timing. Eighth
	Conference on Indigenous Languages of Latin America, University of Texas,
	USA.
2017	Ryan Bennett & Kevin Tang. May, 2017. Laryngeal co-occurrence restric-
	tions reflect sub-segmental articulatory structure. 25th Manchester Phonology
	Meeting, University of Manchester, UK.

2017 Ryan Bennett & Kevin Tang. January, 2017. Acoustic and lexical effects on speech perception in kaqchikel (mayan). The 91st Annual meeting of the Linguistic Society of America, Austin, TX, USA. [Handout] 2016 Ryan Bennett & Kevin Tang. November, 2016. Perceptual similarity in the stop consonants of kaqchikel. Form and Analysis in Mayan Linguistics IV, Universidad de Oriente, Valladolid, Yucatán, México. 2016 Ryan Bennett & Kevin Tang. October, 2016. Against phonetic realism as the source of root co-occurrence restrictions. Annual Meeting on Phonology, University of Southern California, Los Angeles, USA. [Handout] 2016 Ryan Bennett & Kevin Tang. July, 2016. Modeling phonetic and phonological variation with 'small' data: evidence from kaqchikel mayan. The 15th Conference on Laboratory Phonology, Cornell University, USA. 2016 John Harris, Nicholas Neasom & Kevin Tang. May, 2016(a). Phonotactics with [awt] rules: the learnability of a simple, unnatural pattern in English. 24th Manchester Phonology Meeting, University of Manchester, UK. [Handout] 2016 Ryan Bennett & Kevin Tang. May, 2016. Modeling the production and perception of kaqchikel mayan with 'small' data. 24th Manchester Phonology Meeting, University of Manchester, UK. 2014 Kevin Tang & John Harris. September, 2014. A functional load account of geminate contrastiveness: a meta-study. Annual Meeting of the *Linguistics* Association of Great Britain, University of Oxford, UK. 2014 **Kevin Tang.** May, 2014. Using subtitle corpora to model aspects of spoken language. Corpus Linguistics in the South 7: Spoken Language, University College London, UK. Kevin Tang & Yan Lou. January, 2014. Mandarin chinese speech percep-2014 tion in noise: phonological implications. The 11th Old World Conference in Phonology, Amsterdam-Leiden, The Netherlands. Kevin Tang, Sam Green & Stefanie Anyadi. November, 2013. When in-2013 terdisciplinarity assists peer-learning: PeerWise at UCL. Higher Education Academy (HEA) STEM: Interdisciplinary show case, BBC Broadcast Centre, London, UK. [Slides] 2013 Kevin Tang, Andrew Nevins & Michael Becker. January, 2013(a). Prosody drives alternations: evidence from a 61 million word corpus of Brazilian Portuguese. The 10th Old World Conference in Phonology, Istanbul, Turkey. 2012 Kevin Tang & Andrew Nevins. October, 2012. Naturalistic speech misperception - a computational corpus-based study. The 43rd Annual Meeting of the North East Linguistic Society, Computational Linguistics Workshop, New

York City, NY, The City University of New York, USA

2012 **Kevin Tang** & Andrew Nevins. May, 2012. Learning from mistakes: computational modelling of slips of the ear. 20th Manchester Phonology Meeting, University of Manchester, UK.

# Invited talks 2017 **Kevin Tang.** June, 2017. Experience and expectation predict fine details of perception and production. Shortlisted Job Talk, Zhejiang University, China. 2017 **Kevin Tang.** April, 2017. Experience and expectation predict fine details of perception and production. Shortlisted Job Talk, National Research University Higher School of Economics, Russia. 2017 Kevin Tang & Ryan Bennett. March, 2017. Expectation shapes speech perception in Kaqchikel Mayan: Psycholinguistics with "Small Data". Staff Talk, Haskins Laboratories, USA. **Kevin Tang.** March, 2017(a). Experience and expectation predict fine de-2017 tails of perception and production. Linguistics and Modern Language (LML) Seminar Series, The Education University of Hong Kong, China 2017 **Kevin Tang.** March, 2017(b). Experience and expectation predict fine details of perception and production. Linguistics Seminar Series, The Hong Kong Polytechnic University, China 2017 Kevin Tang. March, 2017(c). Experience and expectation predict fine details of perception and production. Linguistics Seminar Series, University of Hong Kong, China 2017 Kevin Tang. March, 2017(d). Experience and expectation predict fine details of perception and production. The Ling-Lang Lunch series, Brown University, USA. 2017 Kevin Tang. March, 2017(e). Pushing the lexicon to its limits. Shortlisted Job Talk, University of Essex, UK. 2016 **Kevin Tang.** December, 2016. What is your vision for research-led teaching in corpus linguistics at the undergraduate level? Shortlisted Job Talk, University College Dublin, Ireland. 2016 John Harris, Nicholas Neasom & **Kevin Tang**. May, 2016(b). Phonotactics with [awt] rules: the learnability of a simple, unnatural pattern in English. Cambridge Linguistics Society, University of Cambridge, UK. 2016 Lawrence Solan, Silvia Dahmen & Kevin Tang. March, 2016. Legal indeterminacy in the spoken word. Linguistics Friday Lunch Time Talk, Yale University, USA. 2015 Andrew Nevins & Kevin Tang. September, 2015. A graceful degradation account of lexical retrieval – evidence from naturalistic misperception. Linquistics Monday Colloquia, Yale University, USA.



## Peer-reviewed posters

2017	<b>Kevin Tang</b> & Faruk Akkus. February, 2017. The importance of sampling and task effects: Turkish Partial Reduplication revisited. The 14th <i>Old World Conference in Phonology</i> , Düsseldorf, Germany.
2017	<b>Kevin Tang</b> & Andrew Nevins. January, 2017. Expectation and lexical retrieval in naturalistic and experimental misperception. The 91st Annual meeting of the <i>Linguistic Society of America</i> , Austin, TX, USA. [Poster]
2016	M.M.C. DeMille, J.C. Frijters, <b>Kevin Tang</b> , Christopher Geissler, N.R. Powers, B.M. Bowen, A.K. Adams, D.T. Truong & J.R. Gruen. October, 2016. An investigation of the evolution and worldwide distribution of the READ1 element in DCDC2 and its contribution to language development. The 66th Annual Meeting of the <i>American Society of Human Genetics</i> , Vancouver, Canada. [Poster]
2015	Kevin Tang, Ye Tian, E-L. Schwabe, Jyrki Tuomainen & Judit Druks. January, 2015. Chinese abstract verbs and nouns electrified: behavioural and electrophysiological evidence for grammatical class difference at single word processing level. <i>Thirty-Third European Workshop on Cognitive Neuropsychology</i> , Bressanone, Italy. [Poster]
2014	<b>Kevin Tang</b> & Brent de Chene. July, 2014. A new corpus of colloquial Korean and its applications. <i>The 14th Conference on Laboratory Phonology</i> , Tachikawa, Tokyo, Japan. [Poster]
2013	<b>Kevin Tang</b> , Andrew Nevins & Michael Becker. January, 2013(b). Prosody drives alternations: evidence from a 61 million word corpus of brazilian portuguese. The 87th Annual Meeting of the <i>Linguistic Society of America</i> , Boston, Massachussetts, USA. [Poster]

# Outreach

# NEWSPAPER ARTICLES

M.C. Carmo & **Kevin Tang**. 2015. Alternância, 'auternância' ou 'arternância': variação dos sons da fala. *Diário da Região*. 28 Feburary 2015, 4C–4C [Article: https://goo.gl/QT6WKQ]

# Fellowships, awards, and grants

WHILE AT	Yale (	(Post-doc)
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2017	Research Grant. \$14,500. Salomon Award. "Multi-purpose corpora for modern Mayan languages". Co-applicant with Prof. Scott AnderBois (Brown), Prof. Ryan Bennett (Yale) and Prof. Robert Henderson (Arizona)
2016	Research Grant. £1200. International Association for Forensic Phonetics and Acoustics (IAFPA) "The Phonetics of Trademark Law". Co-applicant with Silvia Dahmen (University of Cologne) and Lawrence Solan (Brooklyn Law School)

# WHILE AT UNIVERSITY COLLEGE LONDON (GRADUATE)

2013	European Science Foundation Short Visit Grant received by NetWordS - 09-RNP-089, The European Network on Word Structure. Openlexicons project at the Center for Reading Research, Department of Experimental Psychology, Ghent University, Belgium
2013	The Big Data Hackathon - April - Data Science London. Second Prize for the Data Visualization Challenge (in 24 hours): develop a data visualization based on data provided by Peerindex (with Joaquin Atria, Mauricio Figueroa & Tim Schoof) [See the final product "Twittrends": https://goo.gl/o243ZI]
2011–2012	Teaching Innovation Grant (Holder: Prof. Andrew Nevins), University College London, London. As part of a small interdisciplinary university-wide team to develop and implement the use of the peer-assisted learning package, <i>PeerWise</i> .
2011	Arts and Humanities Research Council. M.Phil./Ph.D. Studentship: M.Phil./Ph.D. in Linguistics at University College London

# WHILE AT UNIVERSITY OF CAMBRIDGE (UNDERGRADUATE)

2009	The Institution of Engineering and Technology. The IET Innovation Award, Finalist: Gap year project: Automatic Testing of Novel High Resolution X-ray Optics Using Matlab
2009	Cambridge University Language Centre. Bursaries for Science and Medical Students for Language Courses Abroad: Summer Intensive Course for Modern Greek at University of Cyprus
2006	The Year In Industry Contribution to Business Award, Finalist: Gap year project
2005	The Institution of Engineering and Technology. The IET Fuse Scholarship: University

# **Teaching**

#### ZHEJIANG UNIVERSITY

2018 Introduction to Linguistics

Primary Instructor

2018 Introduction to Phonetics and Phonology (Officially: Experimental Phonetics)

Primary Instructor

#### YALE UNIVERSITY

2017 Quantitative Linguistics using Corpora

Primary Instructor

2016 Topics in Phonology: The Phonetics-Phonology Interface

Primary Instructor (with Prof. Ryan Bennett)

#### University College London

2014 Introduction to Statistics for Linguists using R

Primary Instructor

2012, 2013 Introduction to Statistics for Linguists using R

Primary Instructor (with Dr. Ye Tian)

2011, 2012 Introduction to Phonetics and Phonology B

Teaching Assistant (Instructor: Prof. Andrew Nevins.)

2011, 2012 Introduction to Phonetics and Phonology A

Teaching Assistant (Instructor: Prof. Andrew Nevins.)

#### INVITED GUEST LECTURES

2017 Slips of the Ear as a Window into Grammar

Brown University, USA

Course: CLPS 0050M, Host: Prof. Scott AnderBois, Date: March 8th 2017

2017 Sufficient Data, Not 'Big' Data – A case of using 'Small' Data to Model the

Production and Perception of Kaqchikel Mayan Aristotle University of Thessaloniki, Greece

Course: Computational Linguistics, Host: Prof. Alexandros Tantos, Date:

June 2nd 2016

# Advising

Ph.D. Students: Qualifying Paper Advisees (at Yale)

2015–2017 Luke Lindemann and Martin Fuchs

Ph.D. Students: Unofficial Advisees (at Yale)

2015–2017 Jun Chen, Nick Frisch and Josh Philips

# GRADUATE: M.A. DISSERTATIONS (AT UNIVERSITY COLLEGE LONDON)

2013	Carly Morris, The Effect of Alcohol on Consonant Cluster Reduction Distinction (Co-advising with Prof. John Harris)
2013	Mike Hindley, A Study into the Effect of Alcohol on L2: Germans Speaking English Distinction (Co-advising with Prof. Andrew Nevins)
2013	Ji Hye Kwon, The Effect of Alcohol on the L2 Vowels of Korean L1 Speakers Distinction (Co-advising with Prof. Andrew Nevins)
2013	Yan Lou, Mandarin Chinese Speech Perception in Noise Distinction (Co-advising with Prof. Andrew Nevins)
2013	Yuen Lam, Slips of the Ear in Mandarin Chinese Pass (Co-advising with Prof. Andrew Nevins)

# Service to the field

### ARTICLE REVIEWING

ARTICLE REVIEWI	$\overline{\mathrm{NG}}$
$Ad\ hoc$	$PLOS\ One$ — The world's first multidisciplinary Open Access journal (3)
(5 journals)	Lingua – An International Review of General Linguistics (1, pre- $Glossa$ )
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	Linguistics Vanguard – A Multimodal Journal for the Language Sciences (1)
	Opticon 1826 – An all-faculty, peer reviewed academic journal, run and edited by University College London postgraduate students (1)
Abstract/paper	REVIEWING FOR CONFERENCES
2018	Interspeech 2018, Hyderabad, India, September 2018
2018	$26^{th}$ Conference of the Student Organisation of Linguistics in Europe (ConSOLE), London, UK, February 2018
2017	$92^{nd}$ Annual Meeting of the Linguistic Society of America , Salt Lake City, USA, January 2018
2017	Interspeech 2017, Stockholm, Sweden, August 2017
2017	ICASSP, The 42nd IEEE International Conference on Acoustics, Speech and Signal Processing, New Orleans, USA, March 2017
2016	Interspeech, San Francisco, USA, September 2016
2016	$24^{th}$ Conference of the Student Organisation of Linguistics in Europe (ConSOLE), York, UK, January 2016
2015	$2^{nd}$ University College London Graduate Conference in Linguistics, London, UK, November 2015
2013	$1^{st}$ University College London Graduate Conference in Linguistics, London, UK, November 2013
ARTICLE EDITING	

2013 University College London Working Papers in Linguistics, Volume 25

# Departmental service

2011–2015	Organiser, Laboratory for Language and Speech Diversions, Director: Prof. Andrew Nevins, University College London
2013–2014	Organiser (with Nicholas Neasom), Phonology Reading Group, University College London
2011-2012	Student academic representative, M.Phil/Ph.D. in Linguistics, University College London

# Professional affiliations

2014–Present Member, Association for Laboratory Phonology (LabPhon)

2013–Present Member, Linguistic Society of America (LSA)

2013–Present Certified Member of Association for Learning Technology (CMALT)

CMALT is a portfolio-based professional accreditation scheme developed by Association For Learning Technology to enable people whose work involves learning technology to have their professional experience and capabilities as-

sessed by peers. http://www.alt.ac.uk/cmalt/.

# Experimental-Computational skills

PROGRAMMING Python & Matlab

Data Lab-experiment: PsychoPy; Web-experiment: Experigen (https://github.

COLLECTION com/tlozoot/experigen) & Amazon Mechanical Turk

Data analysis R Statistical Software, Praat, Forced-Alignment, EEGLAB & ERPLAB

DOCUMENT LaTeX, Markdown & {Microsoft, Open} Office

OS Unix/Linux(Terminal) & Windows

Languages

English Fluent

Cantonese Advanced

Mandarin Advanced Courses at Cambridge University Engineering Language Depart-

Chinese ment, 2006–2008.

Modern Intermediate Level 2/5 course at University of Cyprus. July–Aug 2009.

Greek

Spanish Beginner A1 course at El Instituto Salmantino de Lenguas Aplicadas,

Spain, Aug-Sep 2007.

Industry employment

Sep-Dec 2013 Altitude Education Ltd, London, UK – E-Learning

Position: Linguistic consultant (Part-time)

DESCRIPTION: Examined and restructured the English phonics encoding for

the *Pippop* phonics course app (www.pippoplearning.com)

Manager: Alexander Thompson

July-Aug 2008 Hyder Consulting, Hong Kong – Engineering consultancy

Position: Summer Trainee (Part-time)

DESCRIPTION: Site investigation, report writing, administrative work

2005–2006 Oxford Danfysik (now FMB Oxford), Oxford, UK – Specialist in synchrotron

components.

Position: Year In Industry Student (Full-time)

DESCRIPTION: Co-founded a project for automatic testing of novel high resolution X-ray optics using Matlab, which subsequently reached finals of the IET Innovation Awards 2009. This software enables unattended motion testing of synchrotron components which allows 70% of the company's testing to

be automated and gives an approximate annual saving of £20,000.

MENTOR: Dr. Alexander Babkevich

#### References

Name Prof. Andrew Nevins Title Professor of Linguistics

Relationship Ph.D. supervisor

Affiliation University College London

Address Room 114, Chandler House, 2 Wakefield Street, London, WC1N 1PF

 $\begin{array}{lll} \text{Tel.} & +442076794278 \\ \text{Email} & \text{a.nevins@ucl.ac.uk} \end{array}$ 

Name Prof. Rvan Bennett

Title Assistant Professor of Linguistics

Relationship Post-Doc supervisor Affiliation Yale University

Address Room 304, Dept. of Linguistics, Yale University, P.O. Box 208366, New Haven,

CT. 06520-8366

Tel. +12034322454

Email ryan.bennett@yale.edu

Name Prof. John Harris Title Professor of Linguistics

Relationship Viva Committee and Collaborator

Affiliation University College London

Address Room 109, Chandler House, 2 Wakefield Street, London, WC1N 1PF

Tel. +442076794042Email john.harris@ucl.ac.uk

Name Prof. Peter Howell

Title Professor of Experimental Psychology

Relationship Collaborator

Affiliation University College London

Address Department of Psychology, University College London, London, WC1E 6BT

 $\begin{array}{lll} \text{Tel.} & +442076797566 \\ \text{Email} & \text{p.howell@ucl.ac.uk} \end{array}$ 

Name Prof. Bert Vaux

Title Reader in Phonology and Morphology

Relationship Viva Committee

Affiliation University of Cambridge

 $\begin{array}{lll} \text{Tel.} & +441223\mathring{3}31649 \\ \text{Email} & \text{bv}230@\text{cam.ac.uk} \end{array}$ 

Name Prof. Lawrence Solan

Title Don Forchelli Professor of Law

Relationship Collaborator

Affiliation Brooklyn Law School

Address 250 Joralemon Street, Brooklyn, NY 11201

Tel. +17187800357

Email larry.solan@brooklaw.edu

Last updated: March 16, 2018