

CNS Satellite Symposium: Neural bases of speech production, 24th March 2017

Jan 23, 2017



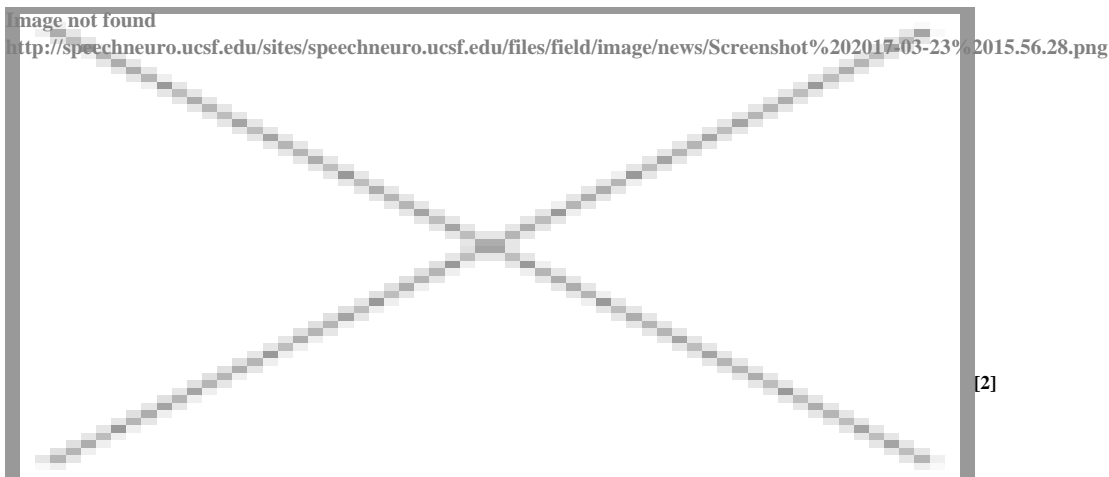
Date:

March 24, 2017

Location:

Nursing School Auditorium N225, 513 Parnassus Ave., University of California San Francisco, San Francisco, CA 94122

Click to register ^[1]



Organisers: Professor John F. Houde ^[3], **Dept. of Otolaryngology ? Head and Neck Surgery & Professor Srikantan Nagarajan** ^[4], **Dept. of Radiology, University of California, San Francisco**

How does the neural circuitry of the brain create speech, and what are the constraints on this process? In the past several years, there has been exciting progress on many aspects of this topic, and at this symposium we will hear from many of the leaders in the field who are advancing it. In a full-day symposium, a series of sixteen speakers will present the latest findings on the neural control of speech output, how sensory feedback interacts with it, and how learning plays a role in the process.

Schedule:

8:45 am

Coffee

Session chair: John F. Houde^[5], *Dept. of Otolaryngology ? Head and Neck Surgery, UCSF*

9:00 am

Opening remarks

John F. Houde^[5], *Dept. of Otolaryngology ? Head and Neck Surgery, UCSF*

9:05 am

Sensorimotor representations in verbal working memory ^[6]

Bradley Buchsbaum, *Rotman Research Institute, Toronto, Canada*

9:27 am

Dissociating input- and output-related representations of speech in s

Jason Bohland, *Dept. of Speech, Language and Hearing Sciences, Boston*

9:49 am

From sensorimotor to cognitive: The neural-computational bases of h

Nicholas Bourguignon, *Dept. of Experimental Psychology, Ghent Univers*

10:09 am

Coffee break (15 min)

Session chair: Carrie Niziolek^[9], *Dept. of Speech, Language and Hearing Sciences, Boston University*

10:27 am

Connectivity profiles of the insular network for speech control ^[10]

Giovanni Battistella, *Dept. of Neurology, Icahn School of Medicine at Mou*

10:49 am

Clinical implications of efference Copy and laryngeal mechanorecept

Michael Hammer, *Dept. of Surgery, Division of Otolaryngology, University*

11:11 am

Auditory Feedback Processing in Alzheimer?s disease ^[12]

Kamalini Ranasinghe, *Dept. of Neurology, UCSF, San Francisco, CA*

11:31 am **Coffee break (15 min)**

Session chair:Zarinah Agnew^[13],*Dept. of Otolaryngology ? Head and Neck Surgery, UCSF*

11:49 am **Human Laryngeal Cortex in Vocal Pitch Production** ^[14]

Benjamin Dichter,*Program in Bioengineering, UCSF, San Francisco, CA*

12:11 pm

Using direct brain recordings for insights in human speech motor control

Jeremy Greenlee, *Dept. of Neurosurgery, University of Iowa, Iowa City, IA*

12:31 pm

Lunch (1 hour)

Session chair:Hardik Kothare^[16],*Dept. of Radiology, UCSF*

1:34 pm

Speech production without the vocal tract ^[17]

Megan Thompson,*Program in Bioengineering, UCSF, San Francisco, CA*

1:56 pm

What sign production can tell us about speech production ^[18]

Karen Emmorey,*Dept. of Speech, Language, and Hearing Sciences, San Diego State University*

2:16 pm

Coffee break (15 min)

Session chair: Inez Raharjo^[19],*Program in Bioengineering, UCSF and UC Berkeley*

2:34 pm

Widespread changes to the cortical sensorimotor network due to somatosensory stimulation

David Ostry,*Dept. of Psychology, McGill University, Montreal, Canada, and UC Berkeley*

2:56 pm

Feedforward and feedback control in patients with cerebellar degeneration

Benjamin Parrell,*Dept. of Linguistics and Cognitive Science and Biomechanics, UC Berkeley*

3:18 pm

Simulating a hierarchical, task-based, state-feedback model of speech production

Vikram Ramanarayanan,*Educational Testing Service Research & Development, Princeton, NJ*

3:38 pm

Coffee break (15 min)

Session chair: Srikantan S. Nagarajan^[4], *Dept. of Radiology, UCSF*

3:56 pm **Modulation of auditory processing during speech movement planning**
Ludo Max, *Dept. of Speech and Hearing Sciences, Dept. of Linguistics, and*

4:18 pm **Modulation of covert speech on overt loudness perception implies the**
Xing Tian, *Dept. of Neural and Cognitive Sciences and NYU-ECNU Institut*

4:40 pm **Observations of task-deactivation and negative BOLD response contr**
Vincent Gracco, *School of Communication Sciences and Disorders and C*

5:00 pm **Concluding remarks**
Srikantan S. Nagarajan^[4], *Dept. of Radiology, Dept. of Otolaryngology ? H*

Contact Us
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Source URL: <https://speechneuro.ucsf.edu/news/cns-satellite-symposium-neural-bases-speech-production-24th-march-2017>

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- [1] <https://www.eventbrite.com/e/cns-satellite-symposium-neural-bases-of-speech-production-tickets-32333003885>
- [2] https://www.youtube.com/watch?v=bjEQi7GXG_0
- [3] <http://profiles.ucsf.edu/john.houde>
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- [6] <http://speechneuro.ucsf.edu/sensorimotor-representations-verbal-working-memory>
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- [19] <https://www.linkedin.com/in/inezraharjo/>
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