

## CURRICULUM VITAE

VINCENT L. GRACCO

Haskins Laboratories  
300 George Street, Suite 900  
New Haven, CT

### EDUCATION

B.A. San Diego State University, San Diego, CA  
Speech Pathology/Psychology, 1976  
M.A. San Diego State University, San Diego, CA  
Speech Pathology, 1978  
PhD University of Wisconsin, Madison WI  
Communicative Disorders/Neuroscience, 1984

### APPOINTMENTS

09/2015-present Vice President of Scientific Operations  
Senior Scientist  
Haskins Laboratories  
New Haven, CT

1/2014-2022 Professor (Post-Retirement)  
School of Communication Sciences & Disorders  
McGill University

8/1999-2013 Associate Professor  
School of Communication Sciences & Disorders  
McGill University

10/1987-present Senior Research Scientist  
Haskins Laboratories  
New Haven, CT

4/2011-08/2015 Director  
Centre for Research on Brain, Language & Music  
McGill University

6/2009-present Member  
Integrated Program in Neuroscience (IPN)  
McGill University

8/2008-3/2011	Director Centre for Research on Language, Mind & Brain McGill University
1/1992-8/1999	Vice President for Research Haskins Laboratories New Haven, CT
1/1989-9/1999	Research Affiliate Department of Psychology Yale University
1/1994-9/1999	Adjunct Professor Department of Otolaryngology Faculty of Medicine Yale University
9/1986-9/1987	Associate Scientist Waisman Center University of Wisconsin
1/1984-8/1986	Assistant Scientist Waisman Center University of Wisconsin
6/1980-12/1983	Project Assistant (Clinical Research Center) NINCDS Program Project Grant: "Neurogenic Speech Disorders"
6/1979-5/1980	Staff Speech Pathologist Department of Otolaryngology Southern California Permanente Medical Group San Diego, California
6/1978-5/1979	Speech Pathologist Speech, Hearing, and Neurosensory Center San Diego, California
6/1976-5/1978	Veterans Administration Trainee in Speech Pathology VA Medical Center San Diego, California

#### HONORS AND AWARDS

2001	Distinguished Alumni Award, San Diego State University
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1984

New Investigator Award, National Institutes of Health

## TEACHING

McGill University, School of Communication Sciences and Disorders

### *Courses Taught*

- SCSD 617 Anatomy and Physiology for Speech and Hearing, 1999-2006, 2007-2012, 2014  
SCSD 609 Neuromotor Speech Disorders, 2000-2005, 2007  
SCSD 652/3 Advanced Research Seminar, 2001: Speech production: models and data  
SCSD 652/3 Advanced Research Seminar, 2007: The neurobiological foundations for the perception-production link  
SCSD 652/3 Advanced Research Seminar, 2013: Issues in neuroplasticity  
SCSD 678 Topics in Communication Sciences & Disorders, 2000: The role of the basal ganglia and cerebellum in motor behavior  
SCSD 678 Topics in Communication Sciences & Disorders, 2001: Neurobiological models of speech timing  
SCSD 678 Topics in Communication Sciences & Disorders, 2004: Current research in cleft palate treatment

### *Faculty Liaison-McGill University*

- SCSD 636 Voice Disorders, 1999-2016  
SCSD 639 Fluency Disorders, 1999-2016  
SCSD 609 Neuromotor Speech Disorders, 2008-2016

### *Courses organized*

- SCSD 689 Management of Cranio-Facial Disorders, Winter, 2010, 2012

### *Seminars organized*

- Seminar Series 2000-2001 (10 lectures)  
Seminar Series 2002-2003 (9 Lectures)

### *Research Trainees Supervised*

<i>Postdoctoral</i>	<i>Department</i>	<i>Institution</i>	<i>Years</i>
J. Hogden		Haskins	1991-1993
E. Klepousniotou	SCSD	McGill	2004-2007
M. Sato (Tomlinson PDF)	SCSD	McGill	2007
D. Shiller	SCSD	McGill	2007-2009
S. Smits-Bandstra (CIHR PDF)	SCSD	McGill	2008-2010
M. Kornisch	SCSD	McGill	2015-2017

<i>Doctoral</i>	<i>Department</i>	<i>Institution</i>	<i>Years</i>	<i>Degree</i>
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H. Kollia	Sp & Hrg Sci	CUNY	1991-1994	1994
J. S. Kalinowski	Sp & Hrg Sci	UCONN	1992-1994	1994
D. Ross	Sp & Hrg Sci	CUNY	1996-1999	1999
P. Tremblay	SCSD	McGill	2002-2008	2008
A. Gange	SCSD	McGill	2007-2008	2008
I. Deschamps	SCSD	McGill	2007	2013
K. Grabski	GIPSA	U Grenoble	2011	2012
F-X. Brajot	SCSD	McGill	2008	2013
B. Elgie	IPN	McGill	2009	2018
F. Mollaei	SCSD	McGill	2010	2016
J. Berken	IPN	McGill	2010	2016
L. Arnaud	IPN	McGill	2011	2018
A. Sares	IPN	McGill	2014	2019
R. van de Worst	SCSD	McGill	2014	2021
H. Sato	SCSC	McGill	2015	2021

<i>Masters</i>	<i>Department</i>	<i>Institution</i>	<i>Years</i>	<i>Degree</i>
B. Elgie	IPN	McGill	2008-2009	2009
Sarah Donnelly**	SCSD	McGill	2001	2001
Julia Boma-Fischer**	SCSD	McGill	2004	2004
Adriana Kruczowyj	SCSD	McGill	2004	2004
Maggie Johns**	SCSD	McGill	2011	2011
Sameena Khaliq**	SCSD	McGill	2012	2012

\* Faculty of Medicine Bursary award

<i>Undergraduate</i>	<i>Department</i>	<i>Institution</i>	<i>Years</i>	<i>Degree</i>
M. Shum	Neurosci	McGill	2010	2010
M. Segado	Neurosci	McGill	2011	2011
C. Cahill***	Anat/Cell Bio	McGill	2010	2010
J. Aspler	Neurosci	McGill	2011-12	2012
L. Dengler	CogSci	McGill	2011-12	2012
J. Boychuk	Neurosci	McGill	2012	2012
I. Deschenes	CogSci	McGill	2012	2012
M. Thomas	CogSci	McGill	2012-13	2013
M. Thomas***	CogSci	McGill	2013	2013
D. Nguyen	Physiol	McGill	2014	2014

\*\* Faculty of Medicine Bursary award

\*\*\* NSERC USRA recipient

### *Invited Presentations*

Gracco, V.L. (1982). Dysarthria management, Part I: Adult neurological disorders. Workshop presented at the Wisconsin Speech and Hearing Association Convention, Oshkosh, Wisconsin.

Gracco, V.L. (1983). Differential sensorimotor mechanism underlying speech motor programming and execution. Presentation at the Motor Control Symposium, Madison, Wisconsin.

Gracco, V.L. (1984). Multiple time varying processes of speech movement control: Potential neural correlates. Presentation at the Symposium on Motor and Sensory Language Processes, Montreal, Canada.

Abbs, J.H. & Gracco, V.L. (1985). Clinical observations on the motor systems in ALS. Colloquium at the NINCDS (NIH) Amyotrophic Lateral Sclerosis Workshop, Lake Bluff, IL, March.

Gracco, V.L. (1985). Mechanisms of speech motor control. Lecture at the Institute on Neurogenic Speech and Language Disorders, Madison, Wisconsin, May.

Gracco, V.L. (1985). Multilevel control model for speech motor activity. Presentation at the International Conference on Speech Motor Dynamics in Stuttering, Nijmegen, The Netherlands, June.

Gracco, V.L. (1985). Sensorimotor processes for speech motor programming and execution. Presentation at the Engineering Foundation Conferences on Biomechanics and Neural Control of Movement: Sensor Based Movement, Henniker, New Hampshire, July.

Gracco, V.L. (1985). Sensory motor mechanisms in the control of movement: Theoretical and practical considerations. Presentation at the Rehabilitation Medicine Lecture Series, Madison, Wisconsin.

Gracco, V.L. (1986). Central and peripheral interactions in the control of speech movements. Symposium presented to the Department of Speech and Hearing Sciences, Indiana University, Bloomington, IN, June.

Gracco, V.L. (1986). Central and peripheral interactions in the control of speech movements. Symposium presented to the Department of Otolaryngology, University of California-San Francisco, San Francisco, CA, July.

Gracco, V.L. (1987). Speech motor control: Recent research. Symposium presented to the Department of Otolaryngology, University of Pittsburgh, Pittsburgh, PA, March.

Gracco, V.L. (1987). Control and coordination of speech movements: Central and peripheral interactions. Colloquium presented at Boys Town National Institute, Omaha, NE, June.

Gracco, V. L. (1988). Assessment of motor speech disorders: Adults and children. Presentation to the New York State Speech-Language Hearing Association convention, Buffalo, April.

Gracco, V. L. (1990). Sensorimotor mechanisms of speech motor control. Presentation at the Second International Conference on Speech Motor Dynamics in Stuttering, Nijmegen, The Netherlands, June.

Gracco, V. L. (1990). Analysis of speech movements: Practical considerations and clinical interpretations. Presentation at the National Institutes of Health Conference on Assessment of Speech and Voice, Bethesda, MD, September.

Gracco, V. L., & Saltzman, E. (1991). Neural and mechanical considerations in the analysis of speech movements. Presented at the 121st Meeting of the Acoustical Society of America, April.

Gracco, V. L. (1994). Invariance and variability in speech production. Presentation at the Research Institute of Logopedics and Phoniatrics, Tokyo, Japan.

Gracco, V. L. (1995). A neurobiological perspective on speech production. Presentation to the Faculty of Medicine, University of Toronto.

Gracco, V. L. (1996). A neurobiological perspective on speech production. Presentation at the ATR Workshop on "A Biological Framework for Speech Perception and Production." Kyoto, Japan.

Gracco, V.L. (1996). A neuromotor perspective on speech production. Presentation at the 3rd International Conference on Speech Motor Production and Fluency Disorders, Nijmegen, The Netherlands, June.

Gracco, V. L. (1996). Speech movement variability: Data and interpretations. Presented at the Joint Meeting of the Acoustical Society of America and the Acoustical Society of Japan, Honolulu, June.

Gracco, V. L. (1997). A conceptual model of speech production. Presentation to the Department of Cognitive and Neural Systems, Boston University.

Gracco, V. L. (1997). A theoretical framework for speech production. Presentation at the City University of New York Graduate Center.

Gracco, V. L. (1998) A theoretical framework for speech production. Presentation to the Department of Biobehavioral Sciences, Teachers College, Columbia University.

Gracco, V. L., (2000). Characteristics of speech movements. Presentation to the School of Occupational and Physical Therapy, McGill University.

Gracco, VL (2004). Some issues in speech motor control: fMRI observations. Presentation to the Department of Speech and Hearing, University of Connecticut, January.

Gracco, VL (2005). Imaging speech production using fMRI. Presentation at the Seminar on the Neurobiology of Language, McGill University, June.

Gracco, VL (2006). Some observations on the neural substrate and network organization for speech production. Presentation at the Institut de la communication parlée, Grenoble, France, November.

Gracco, VL (2006). Observations on the Neural Substrate for Speech. Presentation to the Neuromotor Physiology Section, Scientific Institute Santa Lucia, Rome, Italy.

Gracco, VL (2007). Some observations of the neural processes for speech production. Presentation at the CRLMB Research Day, April.

Gracco, VL (2008). The neural control of speech. Presentation at the Cognitive Neuroscience Seminar, Montreal Neurological Institute, November.

Gracco, VL (2008). Observations on the sensorimotor character of speech production and perception. Presentation at the International Seminar on Speech Production, Strasbourg, France, December.

Gracco, VL (2009). Human Communications Neuroscience. Presentation at the Soup and Science Seminar, Faculty of Science, McGill University, September.

Gracco, VL (2009). Some observations on the neural control of speech production, speech perception and their interactions. Presentation at the International Laboratory for Brain, Music and Sound Research, University of Montreal, September.

Gracco, VL (2011). Sensorimotor adaptation as a window into neuroplasticity and speech learning” (February) *Symposium on Neuro-cognitive determinants of second language literacy in young adults – A multilingual perspective II*, Taiwan, February.

Gracco, VL (2011). Sensorimotor adaptation in speech: A framework for development, disorders and brain-behavior relations. Presentation to the Neuroscience Seminar Group, University of Southern California, January.

Gracco, VL (2011). Sensorimotor integration for speech: Brain and behavioral characteristics. Presentation to the Department of Speech and Hearing Sciences, University of Washington, May.

Gracco, VL (2011). Sensorimotor coupling for speech: A framework for development, disorders and brain-behavioral relations. Presentation at the Haskins Laboratories 75<sup>th</sup> Anniversary Lecture Series, New Haven, CT, November.

Gracco, VL (2013). Neural substrates for speech motor control and speech motor learning. Presentation at the conference on Neural Bases of Speech Production, University of California, San Francisco, December.

Gracco, VL (2014). Sensorimotor integration for speech. Invited presentation at the Second Annual CRBLM Symposium on Selected Topics in Sensorimotor Integration: Music and Speech, Montreal Neurological Institute, April.

Gracco, VL (2014). Sensorimotor integration in speech. Invited presentation at the Cognitive Science Research Day, McGill University, October.

Gracco, VL (2014). Observations on the consequences of age of acquisition on the bilingual brain. Invited presentation to the Department of Linguistics, University of Ottawa, November.

Gracco, VL (2014). Speech perception and speech production: Two sides of the same sensorimotor coin. Invited presentation to the Language and Cognition University Seminar, Columbia University, December.

Gracco, VL (2017). Observations of task-deactivation and negative BOLD response contributions to speech production. Cognitive Neuroscience Society Satellite Symposium: Neural bases of speech production. University of California San Francisco, May.

Gracco, VL (2017). Developing a neural understanding of speech production. Department of Communicative Sciences & Disorders, New York University, November.

Gracco, VL (2018). Functional networks and speech production. Brain Imaging Research Center Speaker Series. University of Connecticut, December.

Gracco, VL (2018). Some behavioral and neural characteristics of typical and atypical speech development. Distinguished lecture at the Center for Research on Challenges in the Acquisition of Language and Literacy (CRCALL), Georgia State University, December.

Gracco, VL (2019). The Scaffolding of Language and Literacy and the Neural Consequences of Developmental Challenges. Nineteenth Encuentro Internacional de Educacion Inicial y Preescolar, Monterrey, N.L., Mexico, October.

## OTHER CONTRIBUTIONS

### *Journals*

1996-2003 Editorial Consultant, Journal of Speech-Language-Hearing Research  
2009-2012 Associate Editor, Canadian Journal of Speech-Language Pathology  
2011-present Reviewer—Nature, Proceedings of the National Academy of Sciences, Brain Structure & Function, Brain Communications, Cerebral Cortex, Experimental Brain Research, Frontiers in Human Neuroscience, Human Brain Mapping, Movement Disorders, NeuroImage, Nature Neuroscience Reviews, Neuropsychologia, Neurobiology of Language, Neuroscience, Neuromodulation, Journal of Neuroscience, Journal of Neurophysiology, Journal of Cognitive Neuroscience, Journal of Fluency Disorders, Brain & Language, Psychology of Music, PLOS One, Neurobiology of Aging

### *Grant Reviews*

#### Panel Member

1992-1997 Member of the Sensory Disorders and Language Study Section at the Center for Scientific Review, National Institutes of Health  
2002-2007 Member of the Motor Speech and Rehabilitation Study Section at the Center for Scientific Review, National Institutes of Health  
2013-2014 Natural Sciences and Research Council Evaluation Group Member, Biological Systems and Functions (Canada).

#### Ad-hoc Reviewer

2010 Reviewer, Special Emphasis Panel, NIH  
2010 Reviewer, Special Emphasis Panel, NIH  
2011 Reviewer, National Science Foundation, Major Research Instrumentation Program  
2011 External assessor, SSHRC  
2013 External reviewer, Fund for Scientific Research-FNRS, Belgium  
2014 Special Emphasis Panel, Biobehavioral and Behavioral Processes, NIH  
2015 Ad hoc, Motor Speech and Rehabilitation Study Section  
2016 -2017 Voice, Speech & Language (VSL) Fellowships Reviewer (NIDCD)  
2018 Special Emphasis Panel (NIDCD)  
2019-2021 VSL Fellowships Reviewer (NIDCD)

### *Administrative Responsibilities*

2008-2015 Director of the Centre for Research on Language, Mind & Brain and the newly formed Centre for Research on Brain, Language & Music (2011) a McGill research centre encompassing over 60



members from all Montreal universities. The Director's responsibilities include administration of the research cluster, including oversight of technical, administrative and secretarial personnel, as well as leadership of the Executive Committee. The Director is responsible for facilitating communication between cluster members and the Executive through annual meetings, tracking cluster activities and progress through annual reports, and stimulating and overseeing various public relations activities to increase centre influence and exposure. Funds provided by the Quebec provincial government (FRQNT, FRQSC), McGill University (Office of the Vice Principal-Research & Innovation, Faculty of Medicine), Montreal Neurological Institute, University of Quebec-Montreal & University of Montreal.

2015-present Vice President for Scientific Operations-Haskins Laboratories. Duties include working with the President and Director of Research and the Vice President of Finance and Administration to establish and implement lab-wide policies and direct the overall operation including inter-university and international interactions in addition to overall supervision of ongoing projects, ensuring research compliance and proper research conduct, overseeing and evaluating grant submissions to ensure adequate technical and administration support, mentoring junior staff on grant writing, facilitating outreach to Yale University and Yale School of Medicine, and acting as liaison with the Yale University Institutional Review Board.

#### *Committees-McGill University*

##### *University—Service*

2000-2003 Faculty Representative, University Senate  
 2001-2015 Member of the Institutional Review Board—Committee “B”, Faculty of Medicine  
 2002-2014 Member of Joint Committee, McGill University/Constance Lethbridge Rehabilitation Centre  
 2007 Chair, School of Nursing Sub-committee of the IRB  
 2009, 2010 NSERC Fellowship review, Life Sciences & Psychology competitions  
 2010 Pro-Dean, Department of Biochemistry  
 2010-11 Neuroscience Workgroup, Provost's RVH Space Reuse Workgroup Committee  
 2011 Search Committee, Director, School of Communication Sciences & Disorders  
 2012 Tomlinson Fellowship review committee  
 2013 Education Strategic Planning Committee, Faculty of Medicine  
 2013 Internal member, academic unit review, Department of Physiology

##### *University--Academic*

1995 Member, PhD Thesis Defense Committee, Jaquin Romero, Department of Linguistics, University of Connecticut  
 1999 External member, PhD Thesis Committee, Ludo Max, Department of Speech and Hearing Science, Kent State University  
 2002 External examiner, Masters thesis, Dahlia Iris Kairy, School of Physical and Occupational Therapy, McGill University  
 2002 Member, PhD Thesis Committee, Douglas Shiller, Department of Psychology, McGill University  
 2004 Comprehensive examination committee, Stephanie Tremblay, Department of Psychology, McGill University  
 2006 Member, PhD Thesis Committee, Stephanie Tremblay, Department of Psychology, McGill University

- 2006 Member, PhD Thesis Committee, Daniel Lametti, Department of Psychology, McGill University
- 2009 Member, PhD Thesis Committee, Yongqiang Feng, Department of Speech and Hearing Science, University of Connecticut
- 2009 Member, Masters' Advisory Committee, Jennika Soles, Integrated Program in Neuroscience, McGill University
- 2009 Internal Examiner, PhD Thesis Defense Committee, Jean Mary Zarate, Department of Neurology and Neurosurgery, McGill University
- 2010 Member, PhD Thesis Defense Committee, Nick Foster, Integrated Program in Neuroscience, McGill University
- 2010 Member, PhD Candidacy exam, Basia Radlinska, Integrated Program in Neuroscience, McGill University
- 2010 External Examiner, PhD Thesis Defense Committee, Janeen Loehr, Department of Psychology, McGill University
- 2010 Comprehensive examination committee, Vincent Freour, Music Technology, McGill University
- 2011 Member, PhD Candidacy exam, Martha Shiell, Integrated Program in Neuroscience, McGill University
- 2011 Member, Master's Thesis Defense Committee, Jennika Soles, Integrated Program in Neuroscience, McGill University
- 2012 Member, PhD Candidacy exam, Emily Coffey, Department of Neuroscience, Integrated Program in Neuroscience, McGill University
- 2012 External Examiner, Master's Thesis, Dana Lovseth, Department of Psychology, McGill University
- 2013 PhD Graduate Advisory Committee, Anna Zamm, Department of Psychology, McGill University
- 2013 Internal Examiner, PhD Thesis Defense Committee, Rachel Brown, Department of Psychology, McGill University
- 2013 Fast-Track Committee reviewer, Anna Zamm, Department of Psychology, McGill University
- 2013 External Examiner, Master's Thesis, Jiwon Shin, Department of Neuroscience, Integrated Program in Neuroscience, McGill University
- 2015 Internal Examiner, PdD Thesis Defence Committee, Martha Shiell, Department of Neuroscience, Integrated Program in Neuroscience, McGill University
- 2015 Internal Examiner, PhD Thesis Defence Committee, Rachel Schwartz, School of Communication Sciences & Disorders, McGill University
- 2015 External Examiner, PhD Thesis, Kristina Kasparian, School of Communication Sciences & Disorders, McGill University
- 2015 Thesis Committee, Katja Hauser PhD, School of Communication Sciences & Disorders, McGill University

*Department--Service*

- 1999 Fellowship Committee, SCSD
- 2000-2001 Graduate Program Director, SCSD
- 2002 Search Committee, Position in Language Neuroscience
- 2000, 2002 Admissions Committee, SCSD
- 2002-2003 Chair, Curriculum Committee on Dysphagia

2007 Finance Committee, Centre for Research on Language, Mind & Brain, McGill University  
 2009-2010 Admissions Committee (co-chair), SCSD  
 2007-2008 Recruitment Committee, SCSD  
 2010 Space Committee, SCSD  
 2011-2012 Chair, Curriculum Committee, SCSD  
 2010 Departmental representative at the annual CCUP-CSD University Programs meeting in Halifax.  
 2010 Clinical Education Advisory Council, SCSD  
 2012-2013 Graduate Research Committee, SCSD  
 2015 Admissions Reviewer, SCSD  
 2015 Graduate Program Director, SCSD

*Department—Academic*

2001 Oral Defense Committee Member, Jeanne Gordon  
 2001 Oral Defense Committee Member, Navid Shahnaz  
 2002 Master's Thesis Committee Member, Henry Cheang  
 2004 Oral Defense Committee Member, Ekaterina Klepousniotou  
 2004 Oral Defense Committee Member, Chris Grindrod  
 2008 Comprehensive Exam Committee, Pi-yu Chiang  
 2009 Master's Thesis Committee Member, Laura Copeland  
 2010 Oral Defense Committee Member, Pi-yu Chiang  
 2011 Comprehensive Exam Committee, Katja Hauser  
 2011 Oral Defense Committee Member, Monika Molnar  
 2012 Comprehensive Exam Committee, Janet Bang  
 2012 Comprehensive Exam Committee, Fatemeh Molleai  
 2015 Comprehensive Exam Committee, Robert van der Worst  
 2016 Comprehensive Exam Committee, Haruka Saito

*Professional Societies*

Society for Neuroscience  
 Society for the Neurobiology of Language

*Other Professional and Scientific Contributions*

2001 External Examiner for the Degree of Doctor of Science, Bruce Murdoch, PhD: The University of New England, Australia.  
 2005 Organized international symposium on the Neurobiology of Language, sponsored by the CRLMB, Montreal, Canada  
 2005 External examiner for promotion and tenure, Marc Joanisse, PhD, Department of Psychology, University of Western Ontario  
 2008 External Examiner for promotion to Professor: Department of Speech-Language Pathology, University of Toronto  
 2008 External Examiner, Aravind Namasivayam, PhD candidate, Department of Speech-Language Pathology, University of Toronto  
 2008 External evaluator, CRC Chair (Tier 2), University of Toronto

- 2009 External reviewer of CIHR application pre-submission, Graduate Studies & Research, Faculty of Rehabilitation Medicine, University of Alberta
- 2009 Representative of the CRLMB in the McGill-Oxford Neuroscience Collaboration, Oxford University, Oxford, England
- 2009 Special Session organizer for the annual IPN retreat on Neuroscientific Approaches to the study of Human Communication
- 2009 Organized the Latest on Language series (sponsored by the CRLMB) comprising four public lectures on language acquisition, bilingualism and reading.
- 2009 Organized Language Lunch Series for 2009-2010 (sponsored by the CRLMB)
- 2009 Tenure evaluation, Pascal van Lieshout, PhD, Department of Speech-Language Pathology, University of Toronto
- 2009-2011 Organizing Committee: Neurobiology of Language Conference
- 2010 Organized Language Lunch Series for 2010-2011 (sponsored by the CRLMB)
- 2011 External examiner, Julie Buchan, PhD candidate, Department of Psychology, Queen's University
- 2011 Co-Chair, Scientific Committee, International Seminar on Speech Production, Montreal, Canada
- 2011 Organizing Committee, International Seminar on Speech Production, Montreal, Canada
- 2011 Guest speaker at the Montreal screening of the movie "The King's Speech"
- 2011 Tenure evaluation, Julia Irwin, PhD, Department of Psychology, Southern Connecticut State University
- 2012-2013 Treasurer, Society for Neurobiology of Language
- 2012 Invited participant in a Scientific Cafe panel on Language and the Brain, as part of Brain Awareness Week, sponsored by Brain Awareness Montreal
- 2012 Promotion and tenure evaluation, David Purcell, PhD, School of Communication Sciences & Disorders, University of Western Ontario
- 2012 Promotion and tenure evaluation for Jana Yunusova, PhD, Department of Speech-Language Pathology, University of Toronto
- 2012 External examiner, Zane Zheng, PhD candidate, Department of Neuroscience Studies, Queen's University
- 2012-13 Co-organizer CRBLM Inaugural Symposium on Music and Language: Development, May 3-4, 2013, Montréal, Canada
- 2013 External examiner, Takashi Mitsuya, PhD candidate, Department of Psychology, Queen's University
- 2013 Review Editor, *Frontiers in Language Sciences*
- 2018 Co-organizer Satellite Symposium of the Society for Neurobiology of Language, "The Bilingual Brain—A lifelong perspective", Quebec City, Canada.
- 2019 Co-organizer/Faculty Haskins Summer Institute--"The Literate Brain: Linking Researchers with Practitioners", July 21-25.
- 2020 Co-chair, International Seminar on Speech Production, New Haven, CT (virtual meeting)
- 2019-2020 ASHA Pathways Program faculty; Mentoring pre and postdoctoral students, presentation on Grant writing

## RESEARCH

### *Research Grants*

*Current (Pending)*

NIH (NIDCD) R21 Network-targeted transcranial direct current stimulation as a treatment for laryngeal dystonia. Total Direct Cost \$275,000 V. Gracco (PI)	2022-2024
NIH (NIDCD/NICHHD) R01 Brain and behavior development in cochlear implanted children Total Direct Cost \$2,480,470 V. Gracco (PI)	2022-2027
Haskins Laboratories/Oberkotter Foundation Collaborative Project Total Cost requested \$1,595,570	2022-2023
NIH (NIDCD) R01 Subtyping Persistent Stuttering* Total Direct Cost \$2,495,372 V. Gracco/M. Milham (MPI)	2023-2028

\* submitted next round (June)

*Current (Active)*

National Spasmodic Dysphonia Association Network targeted transcranial direct current stimulation as a treatment for Laryngeal Dysphonia Total Cost \$55,000 V. Gracco (PI)	2022-2023
NIH (NICHHD) R03 The neurodevelopmental trajectory of reading: a publicly available multimodal neuroimaging database. Total Direct Cost \$100,000 V. Gracco (PI)	2021-2022
Oberkotter Foundation Haskins Laboratories/Oberkotter Foundation Collaborative Project Total Direct Cost \$1,347,640 V Gracco (PI)	2020-2022
NIH (NIDCD) R01 Sensory basis of speech motor learning McGill subcontract V Gracco (PI)	2018-2023

*Past*

Oberkotter Foundation Haskins Laboratories/Oberkotter Foundation Collaborative Project Total Direct Cost \$1,008,631 V Gracco (PI)	2018-2019
NIH (NIDCD) R21	2017-2018

The Negative BOLD Response in Speech Production and Persistent Stuttering Total Direct Cost \$275,000 V. Gracco (PI)	
NIH (NIDCD) R01 Sensory Basis for Speech Motor Learning Total funding \$D. Ostry (PI)	2017-2019
CIHR Operating Grant Neural substrate and sensorimotor dysfunction in developmental stuttering. Total funding \$709,800 V. Gracco (PI), w/Doug Shiller & L. Max	2013-2019
NIH (NIDCD) R21 The Negative BOLD Response in Speech Production and Persistent Stuttering Total Direct Cost \$275,000 V. Gracco (PI), w H. Ohashi	2017-2019
Fonds de recherche Nature et technologies (FRQNT) Team grant The mechanisms underlying social facilitation of vocal learning. Total funding \$180,000 J. Sakata (PI) w/S. Wooley, M. Schoenweisner	2015-2018
Fonds de recherche Nature et technologies (FRQNT) Team grant Perceptual learning in the acquisition of motor skills. Total funding \$180,000 D. Ostry (PI) w/J. Doyon & J. Near	2015-2018
NIH (NIDCD) R21 Somatosensory function in speech perception. Total funding \$275,000 V. Gracco (PI), w/ T. Ito & D. Ostry	2014-2017
NIH R01 Speech motor learning and sensory plasticity in children and adults Total funding \$1,783,030 (US\$) w/D. Ostry (PI) & D. Shiller Gracco (PI) McGill subcontract	2012-2018
FRQNT/FRQSC Regroupement Stratigiques Centre for Research on Brain, Language & Music Total funding \$2,250,000 V. Gracco (PI) w/ S. Baum, L. Menard, I. Peretz & R. Zatorre	2011-2017
NSERC Discovery Grant Studies of neuroplasticity in speech processes Total funding \$155,000 V. Gracco (PI)	2012-2017
Fonds de recherche Societe et culture (FRQSC) Team Grant Multilinguisme : les défis et les impacts cognitifs et socio-culturels Total funding \$326,920 w/ S. Baum (PI), D. Titone, D. Klein, N. Phillips	2013-2017
FRQNT Team Grant Substrats Neuronaux Du Développement Moteur De La Parole Total funding \$238,500 w/ D. Ostry (PI) & D. Shiller	2012-2015

SSHRC Insights Development Grant Étude prosodique de la parole produite par des enfants au développement typique et des enfants atteints de troubles du spectre autistique Total funding \$74604 w/ L. Ménard (PI), J. Irwin & A. Nadig	2012-2014
Cerebral Palsy International Research Foundation Neural correlates of intensive voice treatment effects on children with cerebral palsy. Total funding: \$98,560 w/ C. Boliek (PI), D. Robin, P. Fox, J. Watt, C. Beaulieu, C. Lebel, C. Fox, R. Patel	2013-2014
SSHRC Operating Grant Bilingual speech processing Total funding \$174,363 w/S. Baum (PI) & D. Klein	2010-2013
CRBLM Research Incubator Award Behavioural markers and neural substrate of speech motor deficits in Childhood Apraxia of Speech Total funding \$15,000 w/D. Shiller (PI), A. MacLeod, B. Pike	2012-2013
NIH Operating Grant Somatosensory basis of speech learning and control Total funding \$1,687,327 (US\$) w/ D. Ostry (PI)	2007-2012
NIH Operating Grant Neural control and sensorimotor mechanisms in stuttering Total Direct Cost \$1,250,000 (US\$) w/ L. Max (PI) Haskins subcontract V. Gracco (PI)	2006-2012
NSERC Discovery Grant Empirical investigations of speech motor control Total funding \$129,935 V. Gracco (PI)	2007-2012
Oxford McGill Neuroscience Collaboration. Pilot project. The neural basis of fluent and disfluent speech in bilinguals who stutter. Total funding £7,450 total (Approx: 11,400 CAD) w/ K. Watkins (Oxford), D. Klein (McGill)	2011-2012
CIHR Operating Grant Functional imaging studies of spoken language production Total funding \$194,853 V. Gracco (PI)	2006-2010
SSHRC Standard Research Grant Le développement du contraste i/y en français : Le rôle des indices visuels et auditifs Total funding \$154,000 w L. Menard (PI) & S. Baum	2004-2007
REPRIC Integration Program – Pilot Project	2004-2005

Sentence processing as measured by integrated ERP/fMRI techniques  
Total funding \$10,000 w/ D. Sumier (PI), N. Phillips, & S. Baum

NSERC Discovery Grant 2002-2007  
Empirical Investigations of Speech Motor Control  
Total support \$98,000 V. Gracco (PI)

CFI New Opportunities Program 2001-2004  
A Laboratory for Physiological Investigations of Human Communication  
and Communication Disorders  
Total funding: \$375,000

NIH Research Grant 1989-2004  
Mechanisms of Speech Motor Control  
Total Direct Cost \$1,243,832 1999-2004 (US\$) V. Gracco (PI)

NIH Research Grant 1997-2003  
Production Characteristics of Stutterers' Fluent Speech  
Total Direct Cost \$675,948 (US\$) V. Gracco (PI)

Principal Investigator 1995-1999  
Research collaboration with ATR Human Information Processing  
Laboratories, Japan  
Annual Grant \$20,000 (US\$)

NIH Program Project Grant 1992-1996  
Grant P01 DC00121 Research Program on Dynamics of Speech Articulation  
Total Direct Cost \$3,825,874 (US\$) Co-PI w/ K. Harris

NIH Small Instrumentation Program 1993-1994  
Total funding \$41,524 (US\$)

NIH Small Instrumentation Program 1991-1992  
Total funding \$12,804 (US\$)

NIH Small Instrumentation Program 1990-1991  
Total funding \$12,718 (US\$)

NIH New Investigator Research Award 1984-1987  
Sensorimotor Mechanisms of Speech Movement Coordination  
Total Direct Cost \$107,438 (US\$) V. Gracco (PI)

*Internal (McGill)*

Speech Production and Perception: Models and Data 2000-2001  
Faculty of Graduate Studies & Research, McGill University  
Research Seminar Grant \$1200



Research Development Fund 2001-2003  
Functional Imaging Studies of Speech \$20,000

Topics in Human Communication 2003-2004  
Faculty of Graduate Studies & Research, McGill University  
Research Seminar Grant \$1500

Centre for Research on Language, Mind, and Brain Seminar Series 2004-2005  
Faculty of Graduate Studies & Research, McGill University  
Research Seminar Grant \$2000

### *Publications*

#### Theses

Time varying sensorimotor processes of the perioral system during speech, Ph. D. dissertation, University of Wisconsin-Madison, 1984. Supervisor: Dr. James H. Abbs.

Some physiological effects of Dantrium on dysarthric cerebral palsied speech, M.A. thesis, San Diego State University, 1978. Supervisor: Dr. Elizabeth J. Allen.

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van den Bunt MR, Groen MA, Frost SJ, Lau A, Preston JL, Gracco VL, Pugh KR, Verhoeven L (2018). Sensorimotor control of speech and reading development. *Scientific Studies of Reading*, 22(6), 503-516.

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\* Students/supervisees

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### ***Book chapters***

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