**NINA F. DRONKERS, PH.D.**

Curriculum Vitae – June 2022

## CURRENT POSITIONS

Full Adjunct Professor

Department of Psychology

University of California, Berkeley

Email: dronkers@berkeley.edu

Full Adjunct Professor

Department of Neurology

University of California, Davis

Director Emerita, Center for Aphasia and Related Disorders

VA Northern California Health Care System

## EDUCATION

University of California, Berkeley – June 1976 - A.B. - Linguistics

University of California, Berkeley – Dec. 1978 - M.A. - Educational Psychology

University of California, Berkeley – May 1985 - Ph.D. - Neuropsychology (Interdisciplinary)

**Summer Education**

University of Lausanne, Switzerland 1973

Linguistic Society of America Institute, Honolulu, Hawaii 1977

Linguistic Society of America Institute, Salzburg, Austria 1979

## AREAS OF ACADEMIC SPECIALIZATION

Aphasia

Cerebral localization of language

Language disorders in neurodegenerative diseases

Cognitive deficits resulting from brain injury

## PROFESSIONAL AWARDS AND HONORS

1979 Fellowship, Linguistics Society of America

1980 - 1984 Grants and Fellowships, University of California, Berkeley

1982 Fellowship, Max-Planck-Institut fur Psycholinguistik, Nijmegen

1982, 1983 Research Grant-in-Aid, Sigma Xi, The Scientific Research Society

1983 Chancellor's Award, University of California, Berkeley

1983 Grant-in-Aid, Founder Region of Soroptimist International

1999 Finalist, UCD Academic Federation Teaching Award

1997 - 1999 Elected President, Academy of Aphasia

2006 - 2018 Research Career Scientist Awardee, Dept. of Veterans Affairs

2008 Contra Costa County “Woman of the Year” for Innovations in Science

2012 - 2015 Elected to the Governing Board, Academy of Aphasia

2014 - 2015 Elected President, Society for the Neurobiology of Language

2015 - 2017 Elected President, Academy of Aphasia

2016 Inaugural speaker for the INS Edith Kaplan Memorial Lecture Series

## LANGUAGE PROFICIENCY

Fluent in English and Dutch; facility in French, German, Spanish; limited Danish

## PROFESSIONAL EXPERIENCE

1984 - 1987 Research Psychologist

VA Medical Center, Martinez, California

1987 - 2018 Research Scientist

VA Medical Center/VA Northern California Health Care System, Martinez, California

1987 - 2006 Chief, Speech Pathology Section

VA Medical Center, Martinez, California

1989 - present Assistant/Associate/Full Adjunct Professor

Department of Neurology, School of Medicine,

University of California, Davis

1989 - 2005 Assistant/Associate/Full Adjunct Professor

Department of Linguistics, University of California, Davis

1992 - 2006 Acting Chief/Chief, Audiology and Speech Pathology Service

VA Northern California Health Care System, Martinez, California

2000 - 2018 Director, Center for Aphasia and Related Disorders

VA Northern California Health Care System, Martinez, California

2003 - 2012 Research Scientist, Center for Research in Language

University of California, San Diego

2006 - 2017 VA Research Career Scientist

VA Northern California Health Care System, Martinez, California

2011 Acting Associate Chief of Staff for Research

VA Northern California Health Care System, Martinez, California

2018 - 2019 Visiting Scientist, Department of Psychology

University of California, Berkeley

2020 - present Full Adjunct Professor, Department of Psychology

University of California, Berkeley

2018 Retired from VA Northern California Health Care System to pursue full-time research at UC Berkeley

## PROFESSIONAL AFFILIATIONS

1982, 1999 Visiting Scholar - Max-Planck-Institut fur Psycholinguistik, Nijmegen, The Netherlands

1990 Consultant - Lawrence Hall of Science, University of California, Berkeley

1991 - 1997 Consultant - Honolulu Heart Program, Kuakini Medical Center

1992 Consultant - Division of Neuropsychology, National Institutes of Health

1994 Summer Faculty - Cognitive Science Institute, SUNY Buffalo

1995 Summer Faculty - Cognitive Science Institute, Sofia, Bulgaria

1998 Visiting Scholar - Department of Psychology and Institute for Personality and Social Research, University of California, Berkeley

1998 Summer Faculty - McDonnell Summer Institute for Cognitive Neuroscience, Squaw Valley, California

2002 Consultant - Washington University, St. Louis

2001 - present Consultant – Memory and Aging Center, Department of Neurology, University of California, San Francisco

2014 - 2017 Academic Supervisor – International Neurolinguistics Laboratory, Moscow Research University, Higher School of Economics

## MEMBERSHIP IN SCIENTIFIC SOCIETIES

Academy of Aphasia (twice former President)

American Academy of Neurology

American Association for the Advancement of Science

Cognitive Neuroscience Society

International Neuropsychological Society

International Association of Logopedics and Phoniatrics (invited member)

Organization for Human Brain Mapping

Société Anatomique de Paris (invited member)

Society for Neuroscience

Society for the Neurobiology of Language (former President)

World Federation of Neurology (invited member)

## SERVICE TO SCIENTIFIC SOCIETIES

1992 - 1995 Chair, Membership Committee, Academy of Aphasia

1992 & 1994 Program Committee, International Neuropsychological Society

1995 - 1999 Board of Governors, Academy of Aphasia

1997 - 1999 Chair, Board of Governors, Academy of Aphasia

1999 - 2005 Administrative Advisor, Academy of Aphasia

2012 - present Board of Governors, Academy of Aphasia

2013 - 2015 Board of Directors, Society for the Neurobiology of Language

2014 - 2015 President, Society for the Neurobiology of Language

2015 - 2017 Chair, Board of Governors/President, Academy of Aphasia

## OTHER PROFESSIONAL ACTIVITIES

**National/International Program Review Boards**

1994 - 1997 National Center for Neurogenic Communication Disorders, Tucson, Arizona

2003 - 2008 National Institute of Deafness and Communication Disorders

2006 NIH Stroke Progress Review Group

2009 - 2013 VA Research Career Scientist/Promotions Evaluation Committee

2012 VA RR&D Center of Excellence Site Reviewer

2017 – present Program Reviewer, Max Planck Institute for Cognitive Neuroscience, Leipzig, Germany

**Ad hoc Grants Reviewer (since 1992) for:**

National Institute of Deafness and Communication Disorders

National Institute of Neurological Disorders and Stroke

State of Calif. Health Services Dept., Alzheimer's Disease Program

VA Career Development Awards

VA Merit Review Board

VA Rehabilitation Research and Development

Wellcome Trust (United Kingdom); Medical Research Council (United Kingdom)

**Ad hoc Journal Reviewer for:**

*Aphasiology*

*Brain*

*Brain and Language*

*Cerebral Cortex*

*Cognition*

*Cortex*

*Journal of Cognitive Neuroscience*

*Journal of Neurolinguistics*

*Journal of Neurology*

*Journal of Neuroscience*

*Nature*

*Nature* *Neuroscience*

*Neurocase*

*Neuroimage*

*Neurological Sciences*

*Neuropsychiatry, Neuropsychology, and Behavioral Neurology*

*Neuropsychologia*

*Proceedings of the National Academy of Sciences*

*Science*

*Trends in Cognitive Sciences*

**Service on Local VA Research Committees**

1988 - 1997 Scientific Review Committee - VAMC Martinez Research Service

1997 - 2003 Research and Development Committee

1999, 2014 Search Committee - Associate Chief of Staff for Research

1999 - 2003 Board of Directors, East Bay Institute for Research and Education

2001 - present Magnetic Resonance Imaging Research Committee

1. Research Service Reorganization Committee

2005 - 2006 Search Committee - Associate Chief of Staff for Research

2009 - 2013 Research Space Committee

2011 - 2012 Chair/Member, Search Committee - Associate Chief of Staff for Research

2011 - 2012 Chair/Member, Steering Committee for Research Service

2011 Leader, ReSTORE Team for Research Service

2011 Team Leader, Process Action Team for Research Administration

2012 Member, Search Committee – Research Administrative Assistant

2014 Search Committee - Associate Chief of Staff for Research

2014 - 2018 Investigator Liaison for new neuroscience research building

2015 - 2018 Research and Development Committee

**Service on other VANCHCS Administrative Committees**

1995 - 2006 Joint Executive Board/Leadership Forum

1997 - 1999 Strategic Planning Committee

1997 - 2002 Information Management Committee

1998 - 2000 Reorganization Task Force

2003 - 2009 Planning Committee for new Center for Neurorehabilitation Services

2006 - 2008 Search Committee – Chief, Audiology and Speech Pathology

### Service on University of California, Davis Committees

1999 - 2008 School of Medicine promotion committees

2003 Dept. of Linguistics/Center for Mind and Brain Search Committee

2014 Dept. of Neurology, Faculty Mentoring Committee

### Service at University of California, Berkeley

2020-2022 Co-organizer of Cognitive Neuroscience Colloquium

Fall 2021 Head of Psychology Dept. Cognitive Neuroscience Specialty Area

### COMMUNITY SERVICE

1973 - 1991 Co-Founder and Board of Directors of Creative Dimensions, Inc.

1993 - 2008 Fund-raiser for public school programs

1996 - present Visiting Science Instructor for local schools

2006 - 2013 American Heart Association volunteer

ongoing Lecturer at local community events

### LARGER RESEARCH GRANTS AS PRINCIPAL INVESTIGATOR (Direct Costs)

1987 - 1990 $174,000, "Structure and Facilitation of Naming Abilities in Aphasia", Veterans Administration Department of Medicine and Surgery, no Co-Investigators

1991 - 1994 $160,000, "Lexical-Semantic Aspects of Naming Abilities in Aphasia", Veterans Administration, Department of Medicine and Surgery, no Co-Investigators

1994 - 1999 $350,000, “Semantic Access in the Right Cerebral Hemisphere”, National Institute on Neurological Disorders and Stroke, with Kathleen Baynes, Ph.D. as Co-Principal Investigator

1999 - 2002 $230,000, “Contributing Factors to Post-Stroke Depression in Aphasia”, Department of Veterans Affairs Medical Research, with Kathleen Baynes, Ph.D. and Rita Hargrave, M.D. as Co-Investigators

2002 - 2008 $974,000, “Cognitive Disorders in Stroke: Project 3 - Language”, National Institute on Neurological Disorders and Stroke, with Kathleen Baynes, Ph.D. and Diane Swick, Ph.D. as Co-Investigators

2004 - 2008 $3,070,000, “Cross Linguistic Studies of Aphasia”, National Institute on Deafness and Communication Disorders, originally awarded to Elizabeth Bates, Ph.D. in 2001.

2005 - 2009 $506,000, “Executive Functioning in Stroke Patients with Aphasia”, Department of Veterans Affairs Medical Research, with Juliana Baldo, Ph.D. as Co-Investigator

2010 - 2015 $619,000, “Language Disorders Due to Fiber Tract Disconnection in Aphasic Patients”, Department of Veterans Affairs Medical Research, with And Turken, Ph.D., Robert Knight, M.D. and Juliana Baldo, Ph.D. as Co-Investigators

2016 - 2018 $644,000, “Neural Predictors of Recovery from Auditory Comprehension Deficits in Aphasia”, Department of Veterans Affairs Medical Research, with And Turken, Ph.D., Robert Knight, M.D. and Juliana Baldo, Ph.D. as Co-Investigators

2017 – 2022 $1,610,000, “Neural Mechanisms and Recovery of Language Production Deficits in Aphasia”, National Institute on Deafness and Communication Disorders, with Maria Ivanova, Ph.D. and Juliana Baldo, Ph.D. as Co-Investigators.

2019 – 2020 $250,000, “Neural Mechanisms of Language Production Decline in Primary Progressive Aphasia”, National Institute on Deafness and Communication Disorders, Supplement to above grant, with Maria Ivanova, Ph.D. and Maria Luisa Gorno-Tempini, M.D., Ph.D. as Co-Investigators.

### RESEARCH CAREER SCIENTIST AWARD

2006 - 2018 Full-time salary and benefits to conduct VA-relevant research full-time, mentor and train students and fellows, collaborate with other investigators, and participate in research administration at the local and national levels. This award is funded by the Department of Veterans Affairs, Office of Research and Development, Clinical Sciences R&D Program and is only given to the VA’s top scientists.

### SMALLER RESEARCH GRANTS AS PRINCIPAL INVESTIGATOR

1987 $3,000, "Differential Diagnosis of Neurogenic Communicative Disorders: A Pilot Study", Veterans Administration Health Services Research and Development

1989 $3,000, "Assessment of Linguistic Dysfunction in Alzheimer's Disease", Veterans Administration Health Services Research and Development

1992 - 1993 $20,000, "Linguistic Analysis and Cerebral Localization of Language Deficits", National Science Foundation (Co-Principal Investigator with Robert Van Valin, Ph.D., David Wilkins, Ph.D. and Jeri Jaeger, Ph.D.)

1992 - 1993 $5,000, "Cerebral Localization of Speech and Language Deficits in Bilinguals", UC Davis Dean's Research Award

1993 - 1994 $20,000, “Lexical-Semantic Aspects of Linguistic Dysfunction in Alzheimer’s Disease”, UC Davis Alzheimer’s Disease Center

1. $14,000, “A Pilot Study of Intensive Speech Treatment in a Group of Brain-Injured Aphasic Patients”, Wells Fargo Foundation

### RESEARCH GRANTS FUNDED AS CO-INVESTIGATOR

1988 - 1992 $559,700, "Rehabilitation of Neurogenic Communicative Disorders in Remote Settings: Field Trial", Veterans Administration Health Services Research and Development (PI = Robert T. Wertz. Ph.D.)

1990 $7,500, "Effects of Site and Size of Brain Damage on Severity and Prognosis in Aphasia", Veterans Administration Health Services Research and Development (PI = Robert T. Wertz. Ph.D.)

1. $8,000, "Effects of Site of Brain Damage on Severity and Prognosis in Aphasia", Veterans Administration Health Services Research and Development (PI = Robert T. Wertz. Ph.D.)

1997 - 1999 $60,000, “The Use of Multiple Mental Representations in Rehabilitation”, McDonnell Foundation (Co-Principal Investigator with Kathleen Baynes, Ph.D. and Lynn Robertson, Ph.D.)

2004 - 2008 $1,000,000, “Progressive Aphasia: Cognition, Anatomy, and Progression”, National Institute on Neurological Disorders and Stroke (PI = Maria Luisa Gorno-Tempini, M.D., Ph.D.)

2004 - 2009 $763,000, “Attentional Disorders in Patients with Brain Injury”, Department of Veterans Affairs Medical Research (PI = Lynn Robertson, Ph.D.)

2009 - 2012 $620,000, “Executive Functioning in OEF/OIF Veterans with Traumatic Brain Injury”, Department of Veterans Affairs Medical Research (PI = Juliana Baldo, Ph.D.)

2012 – 2016 $1,135,000, “White matter pathway disconnection and cognitive control impairments in stroke”, Department of Veterans Affairs Medical Research (PI = And Turken, Ph.D.)

2014 - 2018 $973,000, “Brain Biomarkers of Response to Treatment for Apraxia of Speech”, Department of Veterans Affairs Medical Research (PI = Juliana Baldo, Ph.D.)

2019 – 2013 $1,046,453, “Impact of Left Hemisphere Stroke on Cognitive Functioning and Implications for Driving”, Department of Veterans Affairs Medical Research (Co-PIs = Juliana Baldo, Ph.D. and Krista Schendel Parker, Ph.D.)

2021 – 2022 $98,000, “Auditory Verbal Short-Term Memory Deficits in Dyslexia”, Schwab Center for Dyslexia and Cognitive Diversity Innovation Fund (PI = Sladjana Lukic, Ph.D.)

### RESEARCH GRANTS FUNDED AS CONSULTANT

2008 - 2012 $1,250,000, “Progressive Aphasia: Cognition, Anatomy, and Progression”, National Institute on Neurological Disorders and Stroke (PI = Maria Luisa Gorno-Tempini, M.D., Ph.D.)

2008 - 2013 $5,000,000, “Center for the Study of the Neural Bases of Language and Learning”, National Institute on Neurological Disorders and Stroke (PI = Doris Trauner, M.D.)

2012 - 2017 $1,500,000, “Progressive Aphasia: Cognition, Anatomy, and Progression”, National Institute on Neurological Disorders and Stroke (PI = Maria Luisa Gorno-Tempini, M.D., Ph.D.)

2017 - 2022 $1,500,000, “Progressive Aphasia: Cognition, Anatomy, and Progression”, National Institute on Neurological Disorders and Stroke (PI = Maria Luisa Gorno-Tempini, M.D., Ph.D.)

### MENTORING

**Post-Graduate Fellows**

Analia Arevalo, Ph.D. University of California, San Diego

Juliana Baldo, Ph.D. University of California, Berkeley

Sasha Best, Ph.D. VANCHCS Neuropsychology Postdoctoral Fellow

Jary Larsen, Ph.D. California School of Professional Psychology

Lindall McIntire, M.S. California State University, Hayward

Jenny Ogar, M.S. California State University, San Francisco

Vitoria Piai, Ph.D. University of California, Berkeley

Patty Phaneuf, M.S. California State University, East Bay

Stephanie Ries, Ph.D. University of California, Berkeley

Ruth Salo, Ph.D. University of California, Davis

Krista Schendel, Ph.D. University of California, Davis

Ana Soper, Ph.D. VANCHCS Neuropsychology Postdoctoral Fellow

Kate Taylor, M.S. Ohio State University

And Turken, Ph.D. University of California, Santa Barbara

Alana Vernon, Ph.D. VANCHCS Neuropsychology Postdoctoral Fellow

**VA/NIH Career Development Award Mentor/Co-mentor/Consultant**

Juliana Baldo, Ph.D. NIH NRSA post-doctoral fellowship mentor

Edward Chang, M.D. NIH K99/R00 co-mentor

Adeen Flinker NIH NRSA pre-doctoral fellowship co-mentor

Brian Pasley, Ph.D. NIH K99/R00 collaborator

Stephanie Ries, Ph.D. NIH NRSA post-doctoral fellowship co-mentor

Stephen Wilson, Ph.D. NIH R03 co-mentor

And Turken, Ph.D. VA Career Development Award co-mentor

Anna Jafarpour NIH K99/R00 consultant (current)

**Fulbright Scholars Sponsored**

Ching Ching Lu, Ph.D. National Hsinchu University of Education, Taiwan

Olga Dragoy Ph.D. Moscow Research University, Moscow, Russia

**Student Committees**

**Ph.D. Dissertation Co-Chair and Committee Member**

Analia Arevalo University of California, San Diego

Suzanne Gahl University of California, Berkeley

Magaly Lagunas-Carvacho University of California, Davis

Suzanne Moineau University of California, San Diego

Johnna Shapiro University of California, Davis

**Ph.D. Dissertation Committee Member**

Arielle Borovsky University of California, San Diego

Marilyn Heine University of California, Davis

Amy Lincoln University of California, Davis

Sheri Scarborough California School of Professional Psychology

Wei-chun Wang University of California, Davis

Sara Popham University of California, Berkeley (recently completed)

**Ph.D. Oral Examination Committee**

Suzanne Gahl University of California, Berkeley

Lori Miyasato University of California, Davis

Lillian Park University of California, Berkeley

Sarah Partan University of California, Davis

Iliana Reyes University of California, Berkeley

Johnna Shapiro University of California, Davis

Suzanne Shdo University of California, Berkeley (recently completed)

Wei-chun Wang University of California, Davis

# Ph.D. Students Mentored

Claudia Cramer King’s College, London (current)

Michael deRiesthal Vanderbilt University

Adeen Flinker University of California, Berkeley

Selvi Paulraj Palo Alto University

Orly Rubenstein Ben Gurion University, Israel

Alexis Pracar University of California, Berkeley (current)

Melissa Prather University of California, Davis

Ayse Pinar Saygin University of California, San Diego

Christine Wu University of California, Davis

**Master’s Thesis Sponsor and Committee Member**

Courtney Jacks University of California, Davis

Siew-Peen Chong University of California, Davis

Paula Lee University of California, Davis

Brenda Redfern University of California, Davis

**Master’s Student Interns Mentored**

Francis Balcomb California State University, Hayward

Francesca Beghin University of Padoa, Italy

Carl Ludy University of California, Davis

Michele Miller California State University, East Bay

Yumi Yamasaki University of California, Davis

**Postbaccalaureate Students Mentored**

Sandhya Kannan University of California, Berkeley (current)

Jessica Lawien University of California, Berkeley

**Postgraduate Interns Mentored**

Rita Barakat University of California, Berkeley

Jenny Dorman University of California, Berkeley

Jenny Hume University of California, Davis

Darren Husted University of California, Davis

Jessica Lawien University of California, Berkeley

Sandhya Kannan University of California, Berkeley

Fedor Petrenko University of California, Berkeley

Alexis Pracar George Washington University, Washington, D.C.

Andrea Zvinakis University of California, Berkeley

Allison Zhong University of California, Berkeley

**Honor’s Thesis Sponsor and Committee Member**

Adam Greene University of California, Davis

Jelena Jovanovic University of California, Berkeley

Melissa Snow University of California, Berkeley

**Undergraduate Student Interns Mentored**

Vanessa Anderson University of California, Berkeley (current)

Eric Byrd California State University, Sacramento

Giana Cirolia University of California, Berkeley

Rebecca De Carlo University of California, Berkeley

Arturo Hernandez University of California, Berkeley

Jennifer Harvey Hiram University, Ohio

Benjamin Russell California State University, San Francisco

Angelica Vance University of California, Berkeley (current)

## TEACHING

**University Courses Taught**

1987 - 2002 The Biological Basis of Language, Dept. of Linguistics, University of California, Davis (average rating = 4.9 out of 5.0; outstanding)

1987 - 2002 Independent Study, Dept. of Linguistics, University of California, Davis

2019 - 2020 Specialty Clinic, Dept. of Psychology, University of California, Berkeley

(co-taught with Robert Levenson, Ph.D.)

## Other Teaching Experience

1969 - 1986 *Instructor* of music, Berkeley and Oakland, California

1975 - 1977 *Instructor* and tutor in English as a Second Language for UC Berkeley and UC Extension

## TITLES OF THESES

Master's Thesis - *Brain and the Bilingual*

Doctoral Dissertation - *Neuropsychological Processes of Automatic Speech in Aphasia*

**BIBLIOGRAPHY**

### A. PRIMARY PUBLISHED OR CREATIVE WORK

### A.1. Journal Publications

1. Rohwer, W.D., Rabinowitz, M. & Dronkers, N.F. Event knowledge, elaborative propensity, and the development of learning proficiency. *Journal of Experimental Child Psychology,* 1982, *33*, 492-503.
2. Chiarello, C., Dronkers, N.F. & Hardyck, C. Choosing sides: Some questions concerning the apparent instability of language lateralization in normal populations. *Neuropsychologia*, 1984, *22(3)*, 363-373.
3. Hardyck, C., Chiarello, C., Dronkers, N.F. & Simpson, G.V. Orienting attention within visual fields: how efficient is interhemispheric transfer. *Journal of Experimental Psychology*, 1985, *11(5)*, 650-666.
4. Hardyck, C., Dronkers, N.F., Chiarello, C. & Simpson, G. The 'eyes' have it: Exposure times and saccadic movements in visual half-field experiments. *Brain and Cognition*, 1985, *4(4)*, 430-439.
5. Bernstein-Ellis, E., Wertz, R.T., Dronkers, N.F. & Milton, S.B. PICA performance by traumatically brain-injured and left hemisphere CVA patients. *Clinical Aphasiology*, 1985, *15*, 97-106.
6. Wertz, R.T., Dronkers, N.F. & Deal, J.L. Language and localization: A comparison of left, right and bilaterally brain-damaged patients. *Clinical Aphasiology*, 1985, *15*, 141-148.
7. Ober, B.A., Dronkers, N.F., Koss, E., Delis, D. & Friedland, R.F. Retrieval from semantic memory in Alzheimer-type dementia. *Journal of Clinical and Experimental Neuropsychology*, 1986, *8(1)*, 75-92.
8. Wertz, R.T., Dronkers, N.F. & Shubitowski, Y. Discriminant function analysis of performance by normals and left hemisphere, right hemisphere, and bilaterally brain damaged patients on a word fluency measure. *Clinical Aphasiology*, 1986, *16*, 257-266.
9. Hardyck, C., Dronkers, N.F., Chiarello, C. & Simpson, G. On preaching the commandments of proper research: A rejoinder. *Brain and Cognition*, 1987, *6*, 238-242.
10. Wertz, R.T., Dronkers, N.F., Bernstein-Ellis, E., Shubitowski, Y., Elman, R., Shenaut, G.K. & Knight, R.T. Appraisal and diagnosis of neurogenic communication disorders in remote settings. *Clinical Aphasiology*, 1987, *17*, 117-123.
11. Dronkers, N.F. Crossed aphasia. *Clinical Aphasiology,* 1987, *17*, 339-348.
12. Wertz, R.T., Dronkers, N.F., Knight, R.T., Shenaut, G.K. & Deal, J.L. Rehabilitation of neurogenic communication disorders in remote settings. *Journal of Rehabilitation Research and Development*, 1987, *25(1)*, 446-447.
13. Wertz, R.T., Dronkers, N.F., Knight, R.T., Shenaut, G.K. & Deal, J.L. Rehabilitation of neurogenic communication disorders in remote settings. *Journal of Rehabilitation Research and Development,* 1988, *26(1)*, 350-351.
14. Dronkers, N.F. & Knight, R.F. Right-sided neglect in a left-hander: Evidence for reversed hemispheric specialization for attention capacity. *Neuropsychologia*, 1989, *27(5)*, 729-736.
15. Wertz, R.T., Dronkers, N.F., Shenaut, G.K. & Knight, R.T. Neurogenic communication disorders in remote settings. *Journal of Rehabilitation Research and Development,* 1990, *28(1),* 364-365.
16. Wertz, R.T. & Dronkers, N.F. Effects of age on aphasia. *ASHA Report 19: Proceedings of the Research Symposium on Communication Sciences and Disorders and Aging,* 1990, 88-98.
17. Dronkers, N.F. & Swain, B.E. Statistical power in aphasia research. *Clinical Aphasiology*, 1991, *19*, 15-19.
18. Wertz, R.T., Dronkers, N.F., Bernstein-Ellis, E.G., Sterling, L.R., Shubitowski, Y., Elman, R.J., Shenaut, G.K., Knight, R.T. & Deal, J.L. The potential of telephonic and television technology for appraising and diagnosing neurogenic communication disorders in remote settings. *Aphasiology*, 1992, *6*, 195-202.
19. Wertz, R.T., Dronkers, N.F. & Hume, J.L. PICA intrasubtest variability (PMD) and prognosis for improvement in aphasia. *Clinical Aphasiology*, 1993, *21*, 207-211.
20. Elman, R.J., Klatzky, R.L., Dronkers, N.F. & Wertz, R.T. Phonologic priming and picture naming in aphasic and normal subjects. *Clinical Aphasiology*, 1993, *21*, 255-262.
21. Henik, A., Dronkers, N.F., Knight, R.T. & Osimani, A. Differential effects of semantic and identity priming in patients with left and right hemisphere lesions. *Journal of Cognitive Neuroscience*, 1993, *5(1)*, 45-55.
22. Friedland, R.P., Koss, E., Lerner, A., Hedera, P., Ellis, W., Dronkers, N., Ober, B.A. & Jagust, W.J. Functional imaging, the frontal lobes, and dementia. *Dementia*, 1993, *4*, 192-203.
23. Wertz, R.T. & Dronkers, N.F. PICA performance following left and right hemisphere brain damage: Influence of side and severity. *Clinical Aphasiology*, 1994, *22*, 157-164.
24. Dronkers, N.F. A new brain region for speech: The insula and articulatory planning. *Nature*, 1996, *384*, 159-161.
25. Dronkers, N.F., Ludy, C.A. & Redfern, B.B. Pragmatics in the absence of verbal language: Descriptions of a severe aphasic and a linguistically feral adult. *Journal of Neurolinguistics*, 1998, *11(1-2)*, 179-190.
26. Dronkers, N.F. The pursuit of brain-language relationships. *Brain and Language*, 2000, *71(1)*, 59-61.
27. Dronkers, N.F. The gratuitous relationship between Broca’s aphasia and Broca’s area. *Behavioral and Brain Sciences*, 2000, 30-31.
28. Walker-Batson, D., Curtis, S., Natarajan, R., Ford, J., Dronkers, N.F., Salmeron, E., Lai, J. & Unwin, D.H. A double-blind placebo-controlled study of the use of amphetamine in the treatment of aphasia. *Stroke*, 2001, *32(9)*, 2093-2098.
29. Dick, F., Bates, E., Wulfeck, B., Utman, J., Dronkers, N.F., & Gernsbacher, M. Language deficits, localization and grammar: Evidence for a distributive model of language breakdown in aphasics and normals*. Psychological Review,* 2001, *108(4)*, 759-788*.*
30. Bates, E., Reilly, J., Wulfeck, B., Dronkers, N.F., Opie, M., Fenson, J., Kriz, S., Jeffries, R., Miller, L., & Herbst, K. Differential effects of unilateral lesions on language production in children and adults. *Brain and Language,* 2001, *79*, 223-265.
31. Watkins, K.E., Dronkers, N.F., Vargha-Khadem, F. Behavioral analysis of an inherited speech and language disorder: comparison with acquired aphasia. *Brain,* 2002, *125(3)*, 452-464.
32. Saygin, A.P., Dick, F., Wilson, S.W., Dronkers, N.F., Bates, E.A. Neural resources for processing language and environmental sounds: evidence from aphasia. *Brain*, 2003, *126(4)*, 928-945.
33. Bates, E., Wilson, S.M., Saygin, A.P., Dick, F., Sereno, M., Knight, R.T. & Dronkers, N.F. Voxel-based lesion-symptom mapping. *Nature Neuroscience*, 2003, *6(5)*, 448-450.
34. Dronkers, N.F., Wilkins, D.P., Van Valin, R.D. Jr., Redfern, B.B. & Jaeger, J.J. Lesion analysis of the brain areas involved in language comprehension. *Cognition*, 2004 *92*,145-177.
35. Saygin, A.P., Wilson, S.M., Dronkers, N.F. & Bates, E. (2004). Action comprehension in aphasia: linguistic and non-linguistic deficits and their lesion correlates. *Neuropsychologia*, 2004*, 42*, 1788-1804.
36. Gorno-Tempini, M.L., Dronkers, N.F., Rankin, K.P., Ogar, J.M., Phenegrasamy, L., Rosen, H.J., Johnson, J.K., Weiner, M.W., Miller, B.L. Cognition and anatomy in three variants of primary progressive aphasia. *Annals of Neurology*, 2004, *55(3)*, 335-346.
37. Dronkers, N.F. & Ogar, J. Brain areas involved in speech production (invited editorial). *Brain*, 2004, *127,* 1461-1462.
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### A.2. Books

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12. Baldo, J.V. & Dronkers, N.F. Lesion studies. In A. deGroot & P. Hagoort (Eds.), *Research Methods in Psycholinguistics*, Wiley-Blackwell, 2017, 309-328.
13. Baldo, J.V., Ivanova, M.V., Herron, T.J., Wilson, S.M. & Dronkers, N.F. Voxel-based lesion symptom mapping.In Pustina, D. & Mirman, D. *Lesion-to-Symptom Mapping: Principles and Tools*, in press.
14. Dronkers, N.F. & Ivanova, M.V. The neuroscience of language and aphasia. In Crosson, B., Brown, G.G., Haaland, K. & King, T. (Eds.), *APA Handbook of Neuropsychology*, in press.

### B. OTHER WORK

### B.1. Published Abstracts

1. Wertz, R.T., Shubitowski, Y., Dronkers, N.F., Lemme, M.L. & Deal, J.L. Word fluency measure reliability in normal and brain-damaged adults. *ASHA*, 1985, *27*, 158.
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3. Friedland, R.P., Jagust , W.J., Ober, B.A., Dronkers, N.F., Koss, E., Simpson, G.V., Ellis, W.G. & Budinger, T.F. The pathophysiology of Pick's disease: A comprehensive case study. *Neurology*, 1986, *36* (Suppl. 1), 268-269.
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7. Wertz, R.T., Dronkers, N.F., Bernstein-Ellis, E.G., Shubitowski, Y., Elman, R.J., Shenaut, G.K. & Knight, R.T. Appraisal and diagnosis of neurogenic communication disorders in remote settings. *ASHA*, 1987, *29*, 79-80.
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9. Wertz, R.T. & Dronkers, N.F. Discriminating among neurogenic communication disorders with the PICA. *ASHA*, 1988, *30*, 174.
10. Wertz, R.T., Dronkers, N.F., Bernstein-Ellis, E.G. & Shubitowski, Y. Treating aphasic patients who reside in remote settings. *ASHA*, 1990, *32*, 65.
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57. de Mornay Davies, P., Ludy, C. & Dronkers, N.F. Agrammatic aphasia, inflectional morphology and receptive phonology – what’s the connection? *Journal of Cognitive Neuroscience,* 2006, *Suppl.*
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59. Baldo, J. & Dronkers, N.F. Neurological and genetic factors affecting severity of aphasia following stroke. Journal of the International Neuropsychological Society, 2007, 13, Suppl. S1, 133.
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62. Galantucci, S., Tartaglia, M.C., Wilson, S.M., Henry, M., Jang, J., Filippi, M., Agosta, F., Dronkers, N.F., Ogar, J.M., Miller, B.L., Gorno-Tempini, M.L. White matter microstructural damage in language tracts in primary progressive aphasias: a diffusion-tensor tractography study. *Neurology*, 2011, *76, Suppl 4,* A77.
63. Tartaglia, M.C., Galantucci, S., Wilson, S., Henry, M., Growdon, M., Filippi, M., Dronkers, N., Miller, M., Gorno-Tempini, M.L. Diffusivity abnormalities in specific white matter tracts contribute to impairment in repetition in primary progressive aphasia. *Neurology,* 2011, *76, Suppl 4*, A456.

(discontinued recording after 2011)

### B.2. Invited Presentations

1. Automatic speech in aphasia. University of Maryland, College Park, May 1981.
2. Formulaicity in aphasic speech. Conference on "Formulaicity in Language", College Park, Maryland, July 1982.
3. Using what you've got: Automatic speech as a communicative device in aphasia. Max-Planck-Institut fur Psycholinguistik, Nijmegen, The Netherlands, October 1982.
4. Language and the brain. California School of Professional Psychology, Berkeley, California, May 1985.
5. Language and the brain. California School of Professional Psychology, Berkeley, California, May 1986.
6. Automatic speech in aphasia. University of California, San Francisco, October 1986.
7. Neurolinguistics. Department of Anatomy and Physiology, University of California, Berkeley, April 1987.
8. Neuropsychological contributions to the management of aphasia and related disorders. Conference on "International and Interdisciplinary Approaches to the Management of Aphasia and Related Disorders", San Francisco, California, April 1987.
9. Aphasia. Department of Psychology, University of California, Davis, February 1988.
10. Language and the Brain. St. Mary's Hospital, San Francisco, California, February 1988.
11. Neuroanatomy by brain dissection. California State University, San Francisco, February 1988.
12. Adult language disorders. St. Mary's Hospital, San Francisco, California, March 1988.
13. Wertz, R.T. & Dronkers, N.F. Influence of aging on aphasia. American Speech-Language-Hearing Association Research Symposium on Communication Sciences and Disorders and Aging. Washington, D.C. September 1988.
14. Neurolinguistics and cognitive neuro "modularity". Department of Psychology, University of California, Berkeley, April-May 1989.
15. The role of neurolinguistics in aphasia research. University of California, San Francisco, May 1989.
16. Language and the brain. University of California, Davis, January 1991.
17. Cerebral localization of language. University of California, Berkeley, April 1991.
18. Cerebral localization of language. SUNY, Buffalo, May 1991.
19. Language deficits associated with diseases of aging. University of California, Davis, November 1991.
20. Cerebral localization of language. University of Hawaii, November 1991.
21. Cerebral localization of language. University of California, Berkeley, February 1992.
22. Cerebral localization of language. University of California, Davis, March 1992.
23. A new approach to the cerebral localization of language. University of California, San Diego, June 1992.
24. Cerebral localization of language. VA Medical Center, Albuquerque, New Mexico, September 1992.
25. Cerebral localization of language revisited. Eastern States Conference on Linguistics, Buffalo, New York, November 1992.
26. Aphasia. Merrithew Memorial Hospital, Martinez California, January 1994.
27. Language Dissolution in Alzheimer’s Disease and Stroke, Center for Aging and Health, University of California, Davis, January 1994.
28. Cerebral localization of language. University of California, San Diego, March 1994.
29. Localization studies of aphasia. Cognitive Science Institute, SUNY, Buffalo, July 1994.
30. Dronkers, N.F., Yamasaki, Y., Ross, G.W. & White, L. Assessment of bilinguality in aphasia: Issues and examples from multicultural Hawai’i. IALP Aphasia Committee Meeting, Bordeaux, France, August 1994.
31. Language localization by lesion analysis. McDonnell-Pew Program in Cognitive Neuroscience Annual Meeting. Tucson, Arizona, January 1995.
32. Cerebral localization of language. Cognitive Science Colloquium, University of Oregon, May 1995.
33. Broca’s and Wernicke’s areas: A second century of lesion analysis. McDonnell-Pew Cognitive Neuroscience retreat, San Diego, California, May 1995.
34. Mapping language areas in the human brain, Cognitive Science Colloquium, University of California, Berkeley, March 1996.
35. Lesion analysis of cognitive abilities in aphasia. World Federation of Neurology, Squaw Valley, California, March 1996.
36. Aphasia. Neurology Grand Rounds. Merrithew Memorial Hospital, Martinez, California, May 1996.
37. Semantic priming in aphasia. University of California, San Diego, May 1996.
38. Cerebral localization of language. University of California, San Diego, May 1996.
39. Acquired aphasia. Continuing Medical Education Lecture, VA Northern California Health Care System, Martinez, California, June 1996.
40. Dronkers, N.F., Ludy, C.A. & Redfern, B.B. Pragmatics in the absence of verbal language: Descriptions of a severe aphasic and a linguistically feral adult. Aphasia Committee, International Association of Logopedics and Phoniatrics, Montreal, Quebec, July 1997.
41. Language localization by lesion analysis. Montreal Neurological Institute, Montreal, Quebec, July 1997.
42. The neural architecture of language. Cognitive Neuroscience Summer Institute, Lake Tahoe, California, July 1998.
43. Cerebral localization of language. American Psychological Association, San Francisco, California, August 1998.
44. L’aire de Broca: 137 ans plus tard. Société Anatomique de Paris, Paris, France, January, 1999.
45. Cerebral localization of language: Broca’s area and beyond. California State University, Hayward, February 1999.
46. Language dysfunction in Alzheimer’s disease. UC Davis Alzheimer’s Disease Center, April 1999.
47. Effects of brain injury on adult language. Sackler advisory board on neurodevelopmental language disorders, Venice, Italy, August, 1999.
48. MRI Comparison of the brains of Paul Broca’s historic cases with modern cases of aphasia. University of California, San Francisco, August, 1999.
49. Effects of brain injury on adult language. University of California, San Francisco, September, 1999.
50. Effects of brain injury on adult language. University of California, Berkeley, September, 1999.
51. Dronkers, N.F., Plaisant, O., Iba-Zizen, M-T. & Cabanis, E.A. Imagerie par résonance magnétique des deux cerveaux des cas historiques de Paul Broca. Société Anatomique de Paris, Paris, France, October, 1999.
52. Effects on brain injury on adult language. Hôpital de la Salpêtrière, Paris, France, October, 1999.
53. New findings on the effects of brain injury on adult language. University of California, Berkeley, California, November, 1999.
54. Lesion site as a means of predicting recovery in aphasia. American Society of Neurorehabilitation, San Diego, California, April, 2000.
55. Mapping language areas in the brain by lesion analysis. American Neuropsychiatric Association, Ft. Myers, Florida, February, 2001.
56. Brain MRI scans of Broca’s historic patients from 1861. Continuing medical education lecture for the VA Northern California Health Care System, Martinez, California, July, 2001.
57. Mapping language areas in the brain. University of California, Berkeley, September, 2001.
58. Apraxia of speech. Frontal-temporal dementia consortium, University of California, San Francisco, March, 2002.
59. Mapping language areas in the brain by lesion analysis. University of California, San Diego, UCSD Distinguished Lecture Series, March, 2002.
60. Mapping language areas in the brain by lesion analysis. University of California, Davis, April, 2002.
61. Mapping language areas in the brain by lesion analysis. Washington University, St. Louis, Missouri, April, 2002.
62. Mapping language areas in the brain. University of California, Berkeley, November, 2002.
63. Brain areas involved in language comprehension. University of California, Davis, February, 2003.
64. Mapping language areas in the brain by lesion analysis. Second Annual Forum on Language, Brain and Cognition: Brain Imaging, Aphasiology and Computational Modeling. Tohoku University, Sendai, Japan, October, 2003.
65. Mapping language areas in the brain. Brain Research Institute, University of Niigata, Niigata, Japan, October, 2003.
66. Brain areas capable of language. Symposium on "Explaining Humans", Salk Institute, La Jolla, California November 2003.
67. Mapping language areas in the brain. University of California, Berkeley, November, 2003.
68. Cross-linguistic studies of aphasia. National Yang Ming University, Taipei, Taiwan, April, 2004.
69. Mapping language areas in the brain. National Yang Ming University, Taipei, Taiwan, May, 2004.
70. Apraxia of speech and the precentral gyrus of the insula. World Federation of Neurology, Cambridge, England, July, 2004.
71. Mapping language areas in the brain. University of California, Berkeley, September, 2004.
72. Broca’s area, Broca’s aphasia, and Broca’s historic cases. University of California, San Diego, March, 2005.
73. Brain areas associated with speech and language disorders. McGill University, Montreal, Quebec, Canada, June, 2005.
74. Wernicke’s aphasia: What it is and what it’s not. University of California, San Diego, November, 2005.
75. Mapping language areas in the brain. University of California, Berkeley, September, 2005.
76. Mapping language areas in the brain. University of California, Berkeley, September, 2006.
77. Brain areas associated with speech and language disorders. University of California, Berkeley, May, 2007.
78. Mapping language areas in the brain. University of California, Berkeley, September, 2007.
79. Aphasia. University of California, San Diego, November, 2007.
80. Broca’s area, Broca’s aphasia, and Broca’s brains. Neurology Department Grand Rounds, University of Maryland, Baltimore, April 2008.
81. Mapping language areas in the brain. University of California, Berkeley, September, 2008.
82. The anatomy of language areas in the brain. University of California, Davis, October, 2008
83. Scanning the brains of Paul Broca's first patients. Neurology Grand Rounds, University of California, Davis, October, 2008
84. Aphasia. University of California, Berkeley, October, 2008
85. The neuroscience of language, University of California, Davis, November, 2008
86. Bilingual Aphasia. Boston University, October, 2009.
87. Brain areas associated with speech and language disorders. Dept. of Neurosurgery Grand Rounds, University of California, San Francisco, October, 2009.
88. Speech and language disorders after injury to the brain. Doctor’s Hospital, San Pablo, June, 2010.
89. Mapping language areas in the brain. University of California, Berkeley, October, 2010.
90. The neuroanatomy of language. University of California, Berkeley, September, 2011.
91. Neural correlates of auditory comprehension deficits in stroke patients with aphasia. National Center for Rehabilitative Auditory Research, Portland, Oregon, October, 2011.
92. Effects of stroke on speech and language in veterans. Research Day, VA Northern California Health Care System, April, 2012.
93. Neuroanatomical correlates of auditory comprehension deficits in stroke patients with aphasia. National Institute for Deafness and Communication Disorders, Bethesda, Maryland, June 2012.
94. Neuroanatomical correlates of auditory comprehension deficits in stroke patients with aphasia. Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany, May, 2012.
95. Lesion and connectivity analysis of a network supporting language comprehension. Memory and Aging Center Grand Rounds, University of California, San Francisco, August, 2012.
96. Lesion and connectivity analysis of a network supporting language comprehension. Dept. of Neurology Grand Rounds, University of California, Los Angeles, September, 2012.
97. The neuroanatomy of language. University of California, Berkeley, September, 2012.
98. The role of the insula in speech production. Special debate at the Neurobiology of Language Conference, San Sebastian, Spain, October, 2012.
99. Effects of stroke on speech and language in veterans. Home-based Primary Care Program, VA Northern California Health Care System, November, 2012.
100. Structural and functional connectivity of the brain regions supporting auditory sentence comprehension. Plenary lecture for the Japan Society for Higher Brain Dysfunction, Utsunomiya, Japan, November, 2012.
101. Speech and language deficits after injury to the adult brain. UCSF Osher Mini Medical School for the Public, University of California, San Francisco, December, 2012.
102. Whatdo we know about the neural substrates of recovery? McDonnell Planning Grant meeting, St. Louis, April, 2013.
103. The neural architecture of auditory comprehension. Keynote address for the British Aphasiology Society, Manchester, England, September, 2013.
104. Lesion and connectivity analysis of a network supporting language comprehension. Clinical Neuroanatomy Seminar, Gordon Museum, London, England, September, 2013.
105. Lesion and connectivity analysis of a network supporting language comprehension. Macquarie University, Sydney, Australia, November, 2013.
106. Effects of stroke on speech and language in veterans. Research Day, VA Northern California Health Care System, May, 2014.
107. Language and the brain: Learning from aphasia. Keynote lecture in honor of the retirement of Beverly Wulfeck, San Diego State University, May, 2014.
108. Aphasia. Center for Speech Pathology, Moscow, Russian Federation, June, 2014.
109. Visualizing the brain’s fiber pathways. International Neurolinguistics Laboratory, Moscow Research University, Higher School of Economics, Moscow, Russian Federation, June, 2014.
110. What has the study of aphasia taught us about language and the brain? Cold Springs Harbor Laboratory: Genetics & the Neurobiology of Language, July, 2014.
111. The neuroanatomy of language. University of California, Berkeley, October, 2014.
112. Language and the brain: Learning from aphasia. Kosmos Club, University of California, Berkeley, December, 2014.
113. Language disorders and the neurobiology of language. Keynote lecture, Molecular, Cellular, Integrative Physiology annual retreat. University of California, Los Angeles, February 2015.
114. Brain substrates for language. International Neurolinguistics Laboratory, Moscow Research University, Higher School of Economics, Moscow, Russian Federation, August, 2015.
115. Neuroimaging of language pathologies. International Neurolinguistics Laboratory, Moscow Research University, Higher School of Economics, Moscow, Russian Federation, August, 2015.
116. Language and the brain: learning from aphasia. Boston University, Boston, October, 2015.
117. The neuroanatomy of language. University of California, Berkeley, October, 2015.
118. Learning from aphasia: from old theories to new ideas. University of Arizona, Tucson, November, 2015.
119. Lesion and connectivity analysis of a network supporting language comprehension. University of Arizona, Tucson, November, 2015.
120. Aphasia: Language disorders and localization. FENS Winter School,Obergurgl, Austria, January, 2016.
121. Language Dysfunction. First International Brain Mapping Course, American Association of Neurological Surgeons, Chicago, April, 2016.
122. Using neuroimaging to assess brain-language relationships. International Neurolinguistics Laboratory Summer School, Moscow Research University, Higher School of Economics, Moscow, Russian Federation, July, 2016.
123. Using neuroimaging to assist in diagnosis and treatment. International Neurolinguistics Laboratory Summer School, Moscow Research University, Higher School of Economics, Moscow, Russian Federation, July, 2016.
124. Lexical semantics and the middle temporal gyrus. Language in Interaction Summer School, Nijmegen, The Netherlands, July, 2016.

### Brain mechanisms of speech and language production. International Workshop on Language Production, La Jolla, California, July 2016.

### Language and the brain: from past studies to future aspirations. The 1st Annual Edith Kaplan Memorial Lecture: International Neuropsychological Society, New Orleans, Louisiana, February, 2017.

1. What do language disorders reveal about the brain? From classic models to network approaches. Grand Lecture, Brain and Spine Institute, Paris, France, June 2017.
2. The neuroanatomy of language. University of California, Berkeley, October, 2017.
3. Using voxel-based lesion symptom mapping (VLSM) in the search for   
   the brain substrates for language. Thirty-sixth European Workshop on Cognitive Neuropsychology: special symposium, Bressanone, Italy, January, 2018.
4. What do language disorders reveal about the brain? From classic models to network approaches. IDEA lab lecture, Bressanone, Italy, January, 2018.
5. Is lesion analysis still relevant for cognitive neuroscience? Cognitive Neuroscience Society special symposium, Boston, March, 2018.
6. What do language disorders reveal about the brain? From classic models to network approaches. Woolfolk Distinguished Lecture Series, University of Texas, Austin, March, 2018.
7. Language Dysfunction. Second International Brain Mapping Course, American Association of Neurological Surgeons, New Orleans, April 2018.
8. Neurobiology of language: Past, present and future. Past Presidents Panel, Society for the Neurobiology of Language, August 2018.
9. The neuroanatomy of language. University of California, Berkeley, September, 2018.
10. What do language disorders reveal about the brain? From classic models to network approaches. Annual M.D. Steer Lecture, Purdue University, October, 2018.
11. What do language disorders reveal about the brain? From classic models to network approaches. Distinguished Speaker Colloquium, San Francisco State University, February, 2019.
12. What do language disorders reveal about the brain? From classic models to network approaches. Cognitive Neuroscience Seminar, University of California, Berkeley, February, 2019.
13. What do language disorders reveal about the brain? From classic models to network approaches. Georgetown University, February, 2019.
14. Imaging the fibers of the brain. University of California, Berkeley: Learning in Retirement (remotely), March 2021.
15. Scanning Broca’s patients’ brains: What have we learned? Fifth Annual Course on Brain Mapping, London, England (remotely), March, 2021.
16. Discussion: Impact of models of speech production on understanding aphasia. Neural Bases of Speech Production Workshop (remotely), May 2021.
17. Function of Broca’s and insular regions. Masters of Neurosurgery Annual World Course in Brain & Spine Tumour Surgery, London, England (remotely), August, 2021.

### B.3. Invited Workshops and Short Courses

1. Dronkers, N.F. & Zaidel E. Hemispheric mechanisms of language and cognition (three-week course). Cognitive Science Institute, SUNY, Buffalo, July 1994.
2. Language and the brain (short course). Cognitive Science Institute, Sofia, Bulgaria, July 1995.
3. Anatomy of adult aphasia. Annual Cimarron Conference on Communication Disorders, Stillwater, Oklahoma, February 1995.
4. Neuropsychological assessment of aphasia. International Neuropsychological Society, Chicago, Illinois, February 1996.
5. Anatomy and characteristics of aphasia. California Speech and Hearing Association, Monterey, California, March 1996.
6. Anatomy and characteristics of aphasia. Tennessee Speech and Hearing Association, Nashville, Tennessee, March 1996.
7. Anatomy and characteristics of adult aphasia. Tahoe Time, South Lake Tahoe, California, August 1996.
8. Broca’s aphasia and the lesions that cause it. American Speech-Language-Hearing Association, San Francisco, California, November, 1999.
9. Monthly lectures on aphasia and progressive aphasia. University of California, San Francisco, 2002 to 2010.
10. Lecturer, Summer Program in Neurolinguistics, Moscow Research University, Higher School of Economics, Moscow, Russian Federation, September, 2014, August 2015, June 2017.
11. Adult Aphasia: Classifications, Localization, and Neuroimaging. International Neuropsychological Society, New Orleans, Louisiana, February, 2017.

#### B.4. Televised/Video Presentations/ Presentations to the Media

1. “Language and the brain”. Ongoing exhibit at the Lawrence Hall of Science, University of California, Berkeley, 1990 to present.
2. “Cerebral localization of production deficits in aphasia”. Nationally-televised “Telerounds” production, National Center for Neurogenic Communication Disorders, University of Arizona, March 1993.
3. Segment on language in “Brain Story: Program 4 - First Among Equals”, BBC Production, 2000.
4. Segment on *Nature* podcast, regarding imaging the brains of Paul Broca’s original patients, April 2007.
5. Connections supporting language comprehension. Presentation at press conference, Society for Neuroscience, November, 2010.

### B.5. Conference Presentations

(over 200 conference presentations)