

Michael T. Ullman

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PERSONAL

Born July, 1962 in San Francisco, California. US Citizen
Languages: Fluent French.

EDUCATION

Massachusetts Institute of Technology. 1993-1996.
McDonnell-Pew Postdoctoral Fellow in Cognitive Neuroscience.
Sponsors: Steven Pinker and Suzanne Corkin.
Primary research interest: The neural bases of language.

Massachusetts Institute of Technology. 1988-1993.
Ph.D. from the Department of Brain and Cognitive Sciences.
Dissertation (1993): The Computation of Inflectional Morphology.
Advisor: Steven Pinker. Committee: Susan Carey, Michael Jordan, Alan Prince.
Research interests: The acquisition, computation and neural bases of morphology.

Harvard University. 1986-1988.
BA in Computer Science. Advisor: William Woods.
Harvard College Scholarship. Graduated Cum Laude.
Primary research interest: Natural language processing.

NOTE: From June 1982 to August 1986 I took leave from Harvard
in order to help found Data Acquisition Systems, a start-up computer company
(3 years), and then to travel in Africa and Asia (1 year).

Harvard University. 1980-1982.
Concentration in Biochemistry. Primary research interest: Molecular genetics.

PROFESSIONAL

Full Professor, Dept of Neuroscience, Georgetown University. 2008-present.

Associate Professor with tenure, Dept of Neuroscience, Georgetown University. 2002-2008.

Assistant Professor, Georgetown University. 1996-2002.

Dept of Neuroscience. 1999-2002.

Institute for Cognitive and Computational Sciences. 1996-1999.

Founding co-Director, Center for the Brain Basis of Cognition, Georgetown University.
2003-present.

Founding Director, Georgetown Cognitive Neuroscience EEG/ERP Center
(Georgetown University Core Facility for Human Neuro-Electrophysiology). 1998-present.

Secondary Appointment, Department of Psychology, Georgetown University. 2001-present.

Secondary Appointment, Department of Neurology, Georgetown University. 2000-present.

Secondary Appointment, Department of Linguistics, Georgetown University. 1998-present.

Faculty, Interdisciplinary Program in Neuroscience, Georgetown University. 1996-present.

Faculty, Program in Cognitive Neuroscience, Georgetown University. 1996-present.

Faculty, Georgetown University-National Institutes of Health Partnership Program. 2006-present.

Faculty, Complementary and Alternative Medicine Program, Georgetown University. 2007-present.

Faculty, Science of Effective Early Childhood Education Program, Georgetown University,
2007-present

Faculty, Center for Aphasia Research and Rehabilitation, Georgetown University, 2007-present.

Faculty, Center for the Study of Sex Differences, Georgetown University. 2005-present.

Faculty, Center for Neural Injury and Recovery, Georgetown University. 1999-present.

FELLOWSHIPS AND AWARDS

Presidential Columnist for American Psychological Society Observer. 2005

McDonnell-Pew Postdoctoral Fellowship in Cognitive Neuroscience. 1993-96

Poitras Predoctoral Fellowship. 1992-93

Office of Naval Research Graduate Fellowship. 1988-91

McDonnell Summer Institute in Cognitive Neuroscience, Dartmouth College. 1990

Japan Association for Mathematical Sciences (JAMS) Scientific Seminar, Nagano, Japan. 1989

Harvard College Scholarship. 1987-88

PROFESSIONAL SOCIETIES

Associate, Behavioral and Brain Sciences. 1999-present.

American Association for the Advancement of Science. 1996-present.

American Psychological Society. 1995-present.

Cognitive Neuroscience Society. 1994-present.

Society for Neuroscience. 1993-present.

EDITORIAL BOARDS

Cognitive Sciences. 2003-present.

Bilingualism: Language and Cognition. 2002-present

Journal of Cognitive Neuroscience (Associate Editor). 2000-present

Cognition. 1999-2002

SCIENTIFIC COMMITTEES

Architectures and Mechanisms for Language Processing (AMLaP). 2006.

REVIEWS: PAPERS FOR SUBMISSION TO JOURNALS

Archives of Medical Research

Bilingualism: Language and Cognition

Brain

Brain and Cognition

Brain and Language

Brain Research

The Canadian Modern Language Review / La Revue canadienne des langues vivantes

Cerebral Cortex

Child Development

Cognition

Cognitive, Affective, & Behavioral Neuroscience

Cognitive Brain Research

Cognitive Neuropsychology

Cognitive Science

Cortex

Current Directions in Psychological Science

Experimental Brain Research
Folia Phoniatica et Logopaedica
Genes, Brain and Behavior
Hippocampus
International Psychogeriatrics
Journal of Child Language
Journal of Cognitive Neuroscience
Journal of Comparative Neurology
Journal of Experimental Psychology: Learning, Memory and Cognition
Journal of Memory and Language
Journal of Neurolinguistics
Journal of Neuroscience
Journal of Speech, Language, and Hearing Research (JSLHR)
Journal of the International Neuropsychological Society (JINS)
Journal of Young Investigators
Language
Language and Cognitive Processes
Language Learning
Modern Language Journal
Nature
Nature Neuroscience
NeuroImage
Neuropsychologia
Psychological Bulletin
Psychological Review
Psychophysiology
Second Language Research
Trends in Cognitive Sciences (TICS)

REVIEWS: PAPERS FOR PRESENTATION AT CONFERENCES

BUCLD (Boston University Conference on Language Development)
CUNY (City University of New York) Conference on Human Sentence Processing
EUROSLA (Conference of the European Second Language Association)
ICFLA2005 (International Conference on First Language Attrition)
NELS (Northeast Linguistics Society)

WCCFL (West Coast Conference on Formal Linguistics)

REVIEWS: BOOKS AND BOOK CHAPTERS

Handbook of Language Processing. Blackwell.

Handbook of Brain Theory and Neural Networks. 2nd Edition. MIT Press.

Handbook of Second Language Acquisition. Part of the series *Handbooks in Linguistics*. Blackwell.

Theories of Developmental Disorders. Blackwell.

REVIEWS: COMPETITIONS

Junior Science and Humanities Symposium

REVIEWS AND REVIEW COMMITTEES: GRANT PROPOSALS

NIH NICHD Biobehavioral and Behavioral Sciences Study Section

NIH Risk, Prevention & Health Behavior Study Section

NIH Minority/Disability Predoctoral Fellowships Study Section

NIH Fogarty International Brain Disorders Study Section

NIH NIDCD Study Section (Special Emphasis Panel)

NIH Pilot Grants for NIA 5K07AG019165

NSF Behavioral Neuroscience Program

NSF Cognitive Neuroscience Program

NSF Human Cognition and Perception Program

NSF Linguistics Program

NSF Perception, Action and Cognition Program

Dutch Social Science Research Council of the Netherlands Organization for Scientific Research

Israel Science Foundation

Italian Ministry for Education University and Research (MIUR) Grant Review Committee

Wellcome Trust

Alzheimer's Association

CONSULTANCIES

NIH Bioengineering Consortium (BECON) Symposium

MEDIA INTERVIEWS AND STORIES

Print: Daily Telegraph (UK); Georgetown Medicine; Dallas Morning News; Washington Post; New Scientist; Science News; Science Daily; Junior (UK); Science; United Press International (UPI).

Radio: Lillian Brown show (WAMU/NPR); National Public Radio (Richard Knox interview).

Television: Voice of America Indonesia; AARP (American Association of Retired Persons); Korean Broadcasting Service; Fox5 Morning News, Science Central News / ABC.

SYMPOSIA, WORKSHOPS, CONFERENCES: ORGANIZED AND CHAIRED

The Neurocognition of Language and Memory: Retention, Attrition, and Aging. A CBBC [Center for the Brain Basis of Cognition] Workshop (2008). Georgetown University, Washington, DC. Organizers of Conference: C. Sanz and M.T. Ullman. Invited speakers: Peggy McCardle (NICHD); Russell Poldrack (UCLA), Monika Schmid (Rijksuniversiteit Groningen, Netherlands), Darlene Howard and James Howard (Georgetown University and Catholic University, Washington DC), Christophe Pallier (CNRS, Paris), Avi Karni (University of Haifa, Israel), Kara Morgan-Short, Cristina Sanz and Michael Ullman (University of Illinois, Chicago, and Georgetown University).

The Neurocognition of Developmental Language Disorders. A CBBC Workshop (2007). Georgetown University, Washington, DC. Organizers of Conference: C. Sanz and M.T. Ullman. Invited speakers: Angela Friederici (Max Planck, Leipzig), Marc Joanisse (Western Ontario), Mabel Rice (Kansas), Michael Ullman (Georgetown), Faraneh Vargha-Khadem (University College London), Susan Ellis Weismer (Madison-Wisconsin).

The Neurocognition of Second Language. A CBBC Workshop (2006). Georgetown University, Washington, DC. Organizers of Conference: C. Sanz and M.T. Ullman. Invited speakers: Angela Friederici (Max Planck, Leipzig), Judith Kroll (Penn State), Alison Mackey (Georgetown), Brian MacWhinney (Carnegie Mellon), Michel Paradis (McGill), Cristina Sanz (Georgetown), Michael Ullman (Georgetown).

Perspectives on the Cognitive and Neural Bases of Lexicon, Semantics, and Grammar. Annual Meeting of the McDonnell-Pew Program in Cognitive Neuroscience (2000). Durham, NC. Organizer and Chair: M.T. Ullman. Invited speakers: Peter Hagoort (Max Planck, Nijmegen), Maryellen MacDonald (U. of Southern California), Alec Marantz (MIT), Michael Ullman (Georgetown).

The Functional Neuroanatomy of Second Language Acquisition and Processing. American Association for Applied Linguistics (AAAL) Annual Convention (2000). Vancouver. Organizer and Chair: M.T. Ullman. Invited speakers: Helen Neville (U. of Oregon), Michel Paradis (McGill), Michael Ullman (Georgetown).

Neuropsychology of Memory. Theoretical and Experimental Neuropsychology / Neuropsychologie Experimentale et Theorique (TENNET VIII) (1997). Montreal. Organizer and Chair: M.T. Ullman. Invited speakers: Barbara Knowlton (UCLA), Randy Buckner (Harvard), Mortimer Mishkin (NIH), Michael Ullman (Georgetown).

INVITED TALKS: PROFESSIONAL MEETINGS

Introduction to neuroscience and to the study of brain and language. Invited lecture at workshop on “Brain, Memory and Language”. National Capital Language Resource Center, Washington DC.

Language and memory in second language acquisition and processing. Invited lecture at workshop on “Brain, Memory and Language”. National Capital Language Resource Center, Washington DC.

Plasticity, memory and language. Invited lecture at Second International Symposium on the Cognitive and Neuronal Bases of Language: Mechanisms of Learning, Brain Plasticity, and Critical Periods, McGill University, Montreal, Canada. 2008.

Variability and redundancy in the neurocognition of language. Invited lecture at the 30th Anniversary of the Deutsche Gesellschaft für Sprachwissenschaft (DGfS), Bamberg, Germany. 2008.

The dependence of language on long-term memory systems: What do we know and how do we know it? Invited talk at the International Collaborative Workshop on Language Attrition, Groningen, Netherlands. 2008.

Memory, brain and second language. Invited talk at the Annual Meeting of the American Association for Applied Linguistics (AAAL), Washington, DC. 2008.

Language and the declarative and procedural memory systems. Invited lecture at the International Congress of Psychology, Berlin, Germany. 2008.

The neurocognition of second language: new evidence from training and aptitude. Invited lecture at “Language Processing in First and Second Language Learners”, Max Planck Institute for Psycholinguistics, Nijmegen, Netherlands. 2007.

Language attrition and the contributions of memory brain systems to second language. Invited lecture at “Language attrition: a corroborating perspective for theory-forming in SLA”. Round table preceding the 17th Annual Conference of the European Second Language Association (EUROSLA). Newcastle, United Kingdom. 2007.

Contributions of memory brain systems to first and second language. Invited lecture at the Ninth Nordic Meeting in Neuropsychology, Gothenburg (Göteborg), Sweden, 2007.

Contributions of memory brain systems to first and second language. Plenary lecture at the XIXth International Conference on Foreign / Second Language Acquisition: Neurolinguistic Perspectives on Language Acquisition and Learning, Szczyrk, Poland, 2007.

Procedural memory in developmental language impairment. Talk at The Neurocognition of Developmental Language Disorders. A Center for the Brain Basis of Cognition (CBBC) Workshop. Georgetown University, Washington DC. 2007.

Sex differences in brain and language. Learning and Brain Conference. Mind, Brain & Education Program, Harvard University; Neuroscience Institute, UC Santa Barbara; and the Dana Alliance for Brain Initiatives. Harvard University, Cambridge, MA. 2007.

The role of memory brain circuits in first and second language acquisition and processing. Keynote speaker at The Architecture of Language: From Cognitive Modeling to Brain Mapping and Back. Satellite conference of the 12th annual Human Brain Mapping meeting. Pisa, Italy. 2006.

Contributions of memory brain systems to first and second language. Talk at The Neurocognition of Second Language. A Center for the Brain Basis of Cognition (CBBC) Workshop. Georgetown University, Washington DC. 2006.

The role of memory circuits in learning, processing and forgetting in first and second language. Keynote speaker at Graduate Workshop on Theoretical Models in Language Attrition Research, UV Amsterdam; Amsterdam, Netherlands. 2006.

The contribution of brain memory circuits to first and second language acquisition and processing. Invited lecture at "Language Processing in First and Second Language Learners" Workshop, funded by the European Science Foundation, at Wivenhoe House, Colchester, UK. 2004.

The contribution of memory circuits to language: The declarative/procedural model. Keynote speaker at "Linguistics and the study of the mind". Symposium at the Utrecht institute of Linguistics OTS, in honor of the change of directorship of the institute. Utrecht, Netherlands. 2004.

Is Broca's area part of a frontal/basal-ganglia procedural memory circuit? Talk at "Perception, action, syntax and the brain: Broca's area and ventral premotor cortex in sensorimotor mapping and language." Workshop at the Max Planck Institute of Cognitive Neuroscience. Leipzig, Germany. 2003.

A neurocognitive perspective on second language acquisition and processing: The declarative/procedural model. Invited lecture at "The cognitive neuroscience of second language acquisition: new insights on the bilingual brain". Round table preceding the 13th Annual Conference of the European Second Language Association (EUROSLA). Edinburgh, Scotland. 2003.

The declarative/procedural model: A neurocognitive perspective on first and second language acquisition and processing. Invited Lecture in Symposium "Cognitive Control and Bilingualism". Colloquium organizers: Jan Hulstijn (University of Amsterdam) & Norman Segalowitz (Concordia University Montreal). Fourth International Symposium on Bilingualism. Tempe, Arizona. 2002.

Language, memory and the brain. Invited Lecture at the 25th Annual Symposium: "The Brain and Behavior". Carnegie Institution of Washington, Department of Embryology. Baltimore, MD. 2002.

Neural circuits of second language acquisition and processing. Invited Lecture at the American Association of Applied Linguistics 2002 Annual Convention. Salt Lake City, Utah. 2002.

The declarative/procedural model of language: Evidence from regular and irregular morphology. Talk in Symposium and debate “Brain Systems Underlying Language Processing: The Continuing Past Tense Debate”. Other speakers: Steven Pinker (MIT), Jay McClelland (Carnegie Mellon), Karalyn Patterson (MRC Cognition and Brain Sciences Unit. UK). Ninth Annual Meeting of the Cognitive Neuroscience Society Meeting. San Francisco, CA. 2002.

The dependence of lexicon and grammar upon declarative and procedural memory. Talk at the Annual Meeting of the McDonnell-Pew Program in Cognitive Neuroscience. Durham, NC. 2000.

The declarative/procedural model of language: evidence from morphology. Invited Lecture at the Annual Meeting of the Northeastern Linguistics Society (NELS). Georgetown University, Washington DC. 2000.

The declarative/procedural model of lexicon and grammar. Invited Lecture at the Language and Mind Forum. University of Southern California. 2000.

The brain bases of lexicon and grammar in L1 and L2. Invited Lecture at the American Association of Applied Linguistics 2000 Annual Convention. Vancouver, Canada. 2000.

Psychological and neural bases of morphology. Invited Lecture at the Mayfest on Morphology. University of Maryland. College Park, MD. 1999.

The functional neuroanatomy of end-state first and second language. Invited Lecture at the Annual Meeting of the American Association of Applied Linguistics. Stamford, CT. 1999.

Lexical memory is part of declarative memory, grammatical rules are processed by procedural memory. Invited Lecture at the Workshop on Cognitive Neuroscience: How can cognitive neuroscience impact the design of cognitive architectures? Woods Hole, MA. Hosted by the Cognitive and Neural Science and Technology Division of the Office of Naval Research. 1997.

Neural bases of language: Evidence from inflectional morphology. Invited Lecture at the McDonnell-Pew Program in Cognitive Neuroscience Annual Meeting, Tucson, AZ. 1995.

INVITED TALKS AT INSTITUTIONS

Brain, memory and language. Invited lecture at the University of Delaware Linguistics Colloquium Series, University of Delaware, Newark, Delaware. 2008.

Contributions of Memory Systems to Language. Invited lecture at the National Institute of Mental Health, Bethesda, MD. 2007.

Autism and language: some recent theoretical and empirical developments. Invited lecture at the Autism Research Network Meeting, Kennedy Krieger Institute, Baltimore, MD. 2007.

Contributions of memory brain systems to first and second language. Speech and Hearing Sciences, CUNY Graduate School, New York, New York. 2007.

Contributions of memory brain systems to first and second language. Gorski Lecture. Penn State, University Park, PA. 2007.

Sex differences in language, brain and mind. Junior Science & Humanities Symposium, Greater Washington Metropolitan Area. Washington DC. 2007.

Contributions of memory brain systems to first and second language. Ospedale Pediatrico Bambino Gesù. Rome, Italy. 2006.

Contributions of memory brain systems to first and second language. Vita-Salute San Raffaele University, Milan, Italy. 2006.

Contributions of memory brain systems to first and second language. University of Haifa, Haifa, Israel. 2006.

What the brain can tell us about language: Contributions of memory systems to first and second language. Plenary Presentation at the Interagency Language Roundtable (ILR), Foreign Service Institute, Arlington, VA. 2006.

The contribution of declarative and procedural memory to first and second language. Department of Psychology, University of Richmond, Richmond, VA. 2006.

The contribution of declarative and procedural memory to first and second language. Department of Neuroscience, University of Uppsala, Uppsala, Sweden. 2006.

Specific Language Impairment is not specific to language: A neurocognitive perspective. Department of Neuroscience, University of Uppsala, Uppsala, Sweden. 2006.

The contribution of brain memory circuits to first and second language. Cognitive Neurology group, The Johns Hopkins University, Baltimore, MD. 2006.

The role of declarative and procedural memory in first and second language. Max Planck Institute for Psycholinguistics. Nijmegen, Netherlands. 2006.

Sex differences in language, brain and mind. Junior Science & Humanities Symposium, Greater Washington Metropolitan Area. Washington DC. 2006.

A biocognitive approach to improve adult language learning. MITRE. Reston, VA. 2005.

Specific Language Impairment is not specific to language: A neurocognitive perspective. Kinesiology Department, University of Maryland, College Park, MD. 2005.

Neural circuits of language. Neurology Grand Rounds, Veteran's Administration Hospital. Washington DC. 2005.

Sex differences in language, brain and mind. Junior Science & Humanities Symposium, Greater Washington Metropolitan Area. Washington DC. 2005.

The contribution of brain memory circuits to first and second language. Psychology Department Colloquia Series. Department of Psychology, Georgetown University, Washington DC. 2004.

The contribution of brain memory circuits to first and second language. Psychology Department and the Center for Advanced Study of Language, University of Maryland, College Park MD. 2004.

A new perspective on developmental language disorders. Department of Neuroscience, Georgetown University, Washington DC. 2004.

The contribution of memory circuits to language: the declarative/procedural model. Psychology Department, NYU, New York, New York. 2004.

The neurocognition of second language acquisition and processing. Developmental Brown-Bag Colloquium. Psychology Department, George Mason University, Fairfax, Virginia. 2004.

Specific Language Impairment is not specific to language: A neurocognitive perspective. Keynote lecture in "Progress in the Neuropsychology of Cognitive Function" lecture series. Psychology Department, Catholic University, Washington DC. 2004.

Sex differences in language, brain and mind. Junior Science & Humanities Symposium, Greater Washington Metropolitan Area. Washington DC. 2004.

Sex differences in the neurocognition of language. Department of Experimental Psychology, Oxford University, Oxford, England. 2003.

Sex differences in the neurocognition of language. Centre for Developmental Language Disorders & Cognitive Neuroscience, Department of Human Communication Science, University College London, London, England. 2003.

Sex differences in the neurocognition of language. Language Symposium. Hosted by the Plasticity of Language Research Group, in the Children's Research Institute's Center for Neuroscience, Children's National Medical Center. Washington DC. 2003.

Sex differences in language, brain and mind. Junior Science & Humanities Symposium, Greater Washington Metropolitan Area. Washington DC. 2003.

Sex differences in language, brain and mind. Provost's Seminar. Georgetown University, Washington DC. 2002.

A neurocognitive model of language. Mental Retardation and Developmental Disability Research Center (MRDDRC) seminar. Children's National Medical Center, Washington DC. 2002.

Memory or rule? Sex differences in the neurocognition of language. Brain and Language Lecture Series. University of Pennsylvania, Philadelphia. 2002.

The declarative/procedural model of language: Extensions to sex differences and second language. IRCS, University of Pennsylvania, Philadelphia. 2001.

The declarative/procedural model of language: Extensions to sex differences and second language. University of Montreal, Montreal, Canada. 2001.

The declarative/procedural model of lexicon and grammar: Extensions to sex differences and second language. Cognitive Science Distinguished Lecture Series, Cognitive Science Program, Carleton University, Ottawa, Canada. 2001.

The declarative/procedural model of language: Extensions to sex differences and second language. SLATE series lecture, University of Illinois, Urbana-Champaign. 2001.

The declarative/procedural model of lexicon and grammar. Department of Linguistics, University of Maryland. College Park, MD. 2000.

The dependence of lexicon and grammar on declarative and procedural memory. Department of Linguistics, CUNY. New York, NY. 2000.

The declarative/procedural model of lexicon and grammar. Brain and Language Lecture Series. University of Pennsylvania. Philadelphia, PA. 1999.

The role of memory circuits in the recovery of language after neural injury. Center for Neural Injury and Recovery, Georgetown University Medical Center. Washington, DC. 1999.

The dependence of lexicon and grammar upon declarative and procedural memory. Moss Rehabilitation Center and Temple University. Philadelphia, PA. 1999.

The contribution of two memory systems to language. Brain and Language Discussion Group. Institute for Research in Cognitive Science. University of Pennsylvania. Philadelphia, PA. 1999.

The neural correlates of lexicon and grammar. GICCS Faculty Retreat. Evans Farm Inn, VA. (Note: Voted as best presentation.) 1999.

The neural, psychological, and computational bases of lexicon and grammar. National Institute of Mental Health. NIH, Bethesda, MD. 1999.

The neural bases of lexicon and grammar. Neuroscience Focus Team. MITRE. Reston, VA. 1999.

Do neural memory circuits play a role in human language?. Center For Developmental Cognitive Neuroscience. Eunice Kennedy Shriver Center. Waltham, MA. 1998.

The contribution of two memory systems to language. University of Maryland, College Park, MD. 1998.

A role for declarative and procedural memory in language. West Virginia University, Morgantown, WV. 1998.

A role for declarative and procedural memory in language. Interdisciplinary Program in Neuroscience. Georgetown Medical Center, Georgetown University, Washington, DC. 1997.

A role for declarative and procedural memory in language. Psychology Department, University of Oregon, Eugene, OR. 1997.

Distinct brain systems underlie language: Evidence from Alzheimer's, Parkinson's and Huntington's diseases. Research Imaging Center, University Of Texas Health Science Center, San Antonio, TX. 1997.

How the brain processes language: Evidence from Alzheimer's and Parkinson's diseases. Physiology Dept., Georgetown University, Washington DC. 1997.

A neural dissociation within language: Lexical memory is a part of declarative memory, grammatical rules are processed by the procedural system. The Massachusetts General Hospital Nuclear Magnetic Resonance Imaging Center, Charlestown, MA. 1996.

A neural dissociation within language: Lexical memory is a part of declarative memory, grammatical rules are processed by procedural system. Keck Center, UC San Francisco. 1996.

The neural bases of language. UC Davis, Davis, CA. 1996.

A neural dissociation within language: Lexical memory is a part of declarative memory, grammatical rules are processed by the procedural system. Institute for Cognitive and Computational Sciences, Georgetown University, Washington DC. 1996.

Evidence for a neural dissociation within language: Lexical memory is a part of temporal lobe declarative memory; grammatical rules processed by frontal/basal-ganglia procedural system. Max Planck Institute for Psycholinguistics, Nijmegen, Netherlands. 1996.

Evidence for a neural dissociation within language: Lexical memory is a part of temporal lobe declarative memory; grammatical rules processed by frontal/basal-ganglia procedural system. Brain and Language Group, MIT, Cambridge, MA. 1996.

A neural dissociation within language: Lexicon a part of declarative memory, grammar processed by procedural system. Laboratory in Cognitive Neuropsychology, Psychology Department, Harvard University, Cambridge, MA. 1995.

The neural bases of language: Evidence from stroke-lesioned aphasics and patients with neurodegenerative diseases. The Cognitive Sciences Colloquium: The Department of Philosophy and the Cognitive Sciences program, McGill University, Montreal, Quebec. 1995.

Inflectional morphology in hereditary specific language impairment. The Department of Linguistics, McGill University, Montreal, Quebec. 1995.

Localization of linguistic function: Evidence from focal lesions and neuro-degenerative diseases. PET Imaging Laboratory, Department of Neurology, Washington University Medical School, St. Louis, Missouri. 1994.

A hereditary case of Specific Language Impairment: Results from inflectional morphology. The Laboratory of Behavioral Neurosciences, MIT, Cambridge, MA. 1994.

The neural bases of language: Evidence from inflectional morphology. Department of Cognitive Science, The Johns Hopkins University, Baltimore, MD. 1994.

The neural bases of language: Evidence from inflectional morphology. Department of Psychology, Cornell University, Ithaca, NY. 1994.

Review and critique of PET language studies, and a proposed MRI language study. The MIT Brain and Cognitive Sciences PET Seminar Series, MIT, Cambridge, MA. 1992.

An in-depth study of a linguistic subsystem: inflection. The Nuclear Magnetic Resonance Center at Massachusetts General Hospital, Charlestown, MA. 1992.

Connectionism and language. The Brown University Neural Network Modeling Colloquium. Brown University, Providence, RI. 1991.

UNIVERSITY SERVICE AT GEORGETOWN UNIVERSITY

Department of Neuroscience

Medical/Graduate Education Committee. 2005-present.
Strategic Initiatives Committee. 2005-present.
Executive Advisory Committee. 1999-2000, 2001-2003.
Faculty Search Committee. 2001-2003.
Information Technology Committee. 2000-present.
Environment Committee. 2000-2002.
Education Committee. 2000-2001.
fMRI Steering Committee. 1999-2000.
Library Committee. 1999-2000.

Georgetown Institute for Cognitive and Computational Sciences (GICCS)

Chair, Equipment Loan Allocation Committee. 1999.
Magnetic Resonance Technology Committee / fMRI Steering Committee. 1996-1999.
Information Technology Committee. 1996-1999.
Library Committee. 1996-1999.
Coordinator and liaison for design and construction of Human Cognitive Neuroscience laboratories. 1997.

Interdisciplinary Program in Neuroscience (IPN)

Minigrant advising. 2006-present.
Student Advisory Committee. 2003-present.
Admissions Committee. 2001-present.
Curriculum Committee. 2001-2004.
Interviewer of applicants to the IPN graduate program. 1997-present.

Center for Neural Injury and Recovery (CNIR)

Information Technology Committee. 1999-2000.

School of Medicine.

Research Committee. 2002-2004.
Joint Oversight Council for Clinical Research. 2002-2004.
Faculty senate representative to the search committee for the chair of Otolaryngology. 2001.
Ad-hoc interviewer for the search committee for the chair of Neurology. 2001-2002.
Library Committee. 1998-2000.

Campus-wide.

Main Campus Research Steering Committee. 2006-present.

Faculty Senate representative on the Search Committee for Dean of the Graduate School of Arts and Sciences. 2006.

Center for Functional and Molecular Imaging (CFMI) Oversight Committee. 2006-present.

Initiator and Head, Cross-campus initiative in neuroscience and cognition. 2005-present.

Founding co-director (one of two), Center for the Brain Basis of Cognition (CBBC). 2003-present.

Cognition and the Neurosciences Task Force. 2002.

fMRI Steering Committee. 2001-2002.

Co-Chair, Committee for the evaluation and funding of an interdisciplinary educational and research program in second language acquisition and processing. 2001.

Founder and Director, Georgetown Cognitive Neuroscience EEG/ERP Laboratory (Georgetown University Core Facility for Human Electrophysiology). 1998-present.

1998-2005. Set up and directed lab containing 96-channel EEG

(Electroencephalography) system for the acquisition of ERPs (Event-Related Potentials), for electrophysiological research of cognition, perception, and action.

2005-present. Initiated and led funding effort (from multiple sources), and installation and testing, for a new state-of-the-art EEG/ERP system that can be used either for stand-alone EEG/ERP acquisition, or, in principle, for concurrent EEG/ERP and fMRI acquisition.

UNIVERSITY SERVICE AT MIT

Co-organizer of McDonnell-Pew Cognitive Neuroscience Colloquium Series, Department of Brain and Cognitive Sciences, MIT. 1995-1996.

Developed an interactive database containing inflectional, orthographic, phonological, and relative frequency information on 5350 English verbs, for psycholinguistic research. Department of Brain and Cognitive Sciences, MIT. 1991-1992.

TEACHING EXPERIENCE

MEDICAL SCHOOL COURSES, GEORGETOWN UNIVERSITY MEDICAL CENTER

Medical Neuroscience. 1998-present.

Co-Director of course. 2007-present.

Lecture: Overview of Higher Cortical Functions. 1998-2003; 2006-present

Lecture: Learning and Memory. 2000-present.

Lecture: Limbic Systems I. 2001-2003

Lecture: Limbic Systems II. 2001-2003

Lecture: The Limbic System. 2004-present.

Lecture: Introduction to the Forebrain. 2002-present.

Lecture: The Cerebrum and its Cortex. 2003-present.

Lecture: Integration and Review: Higher cortical function and dysfunction. 2004-present.

Laboratory Lecture: Segmental Organization of the Brainstem, Cranial Nerves and Somatosensory Systems. 2001

Laboratory Lecture: Thalamus, Cerebral Cortex, MRI & Coronal Sections. 2001-2002

Laboratory Lecture: Horizontal Sections, Motor System & Limbic Systems. 2001-2003

Laboratory Lecture: Patient Problems. 2003-2006.

Laboratory Lecture: MRI & Limbic System. 2004

Laboratory Lecture: Cerebral Cortex and the Limbic System. 2005

Laboratory Lecture: Cranial Nerves and Trigeminal System. 2005.

Laboratory Lecture: Cerebellum, Diencephalon and Basal Ganglia. 2005-present.

Laboratory Demonstrations. 2000-present.

Director of Laboratory: Horizontal Sections, Motor System & Limbic Systems. 2003

Director of Laboratory: Basal Ganglia & Limbic System. 2004

Director of Laboratory: Cerebral Cortex and the Limbic System. 2005-present

GRADUATE COURSES, GEORGETOWN UNIVERSITY MEDICAL CENTER

Mind-Body Medicine Skills. P BIO 520. Fall 2007, Spring 2008.

Instructor

Language and memory in developmental disorders. 2007.

Neuroscience 905. Graduate tutorial.

Course Director and Instructor: Michael Ullman

Brain and Language. 1998, 2000, 2003, 2005, 2007.

Neuroscience 523. Cross-listed in Psychology and Linguistics.

Course founders, directors and instructors: Michael Ullman and Rhonda Friedman.

Interdisciplinary Research Survey. MICB 505. 1997-1999, 2001-present.

Lecture: Developmental Language Impairment: 2004-present.

Lecture: Sex differences in the neurocognition of language: 2001-2003.

Lecture: The neural basis of language. 1999.

Lecture: Functional neuroanatomy of language. 1998.
Lecture: The neural bases of language. 1997.

Neuroscience Survey Course. 1999, 2002, 2004.

Lecture: Contributions of memory circuits to language. 2004.
Lecture: The declarative/procedural model of language. 2002.
Lecture: The neural bases of language. 1999.

Advanced Systems and Cognitive Neuroscience. NSCI-504. 2007.

Lecture: The declarative/procedural model of language. 2007.

Sex Differences in Physiology and Pathophysiology. 2005, 2006.

PBIO 537. Georgetown University Medical Center.

Lecture (2005, 2006): Sex differences in brain and cognition.
Lecture (2006). Sex differences in the neurocognition of language.

Neurocognitive bases of music and language. 2004.

Neuroscience 905-21. Graduate tutorial.

Course Director and Instructor: Michael Ullman

The neurocognition of Specific Language Impairment. 2004, 2005.

Neuroscience 905-21. Graduate tutorial.

Course Director and Instructor: Michael Ullman

Summer Neurofest. 2001, 2003, 2005.

Interdisciplinary Program in Neuroscience. Graduate seminar.

Lecture: Contribution of memory circuits to first and second language. 2005.
Lecture: Sex differences in the neurocognition of language. 2003.
Lecture: Language in the brain. 2001.

The Neurocognition of First and Second Language Acquisition and Processing. 2001.

Neuroscience 905-21. Graduate tutorial.

Course Director and Instructor: Michael Ullman

Hormones, Sex and Cognition. 2001.

Neuroscience 905-23. Graduate tutorial.

Course Director and Instructor: Michael Ullman

Sex Differences in the Neurocognition of Language. 2001.

Neuroscience 905-23. Graduate tutorial.

Course Director and Instructor: Michael Ullman

Music, Meditation and Mind. 1998.

Lecture: Neural basis of language and music.

Critical Readings in Neuroscience. 1997.

Lecture: Language and the brain.

Neurophysiology. 1997.

Lecture: Language in Alzheimer's, Parkinson's, and Huntington's disease.

GRADUATE COURSES, MAIN CAMPUS, GEORGETOWN UNIVERSITY

Neurocognitive aspects of child language acquisition. 2007.

Linguistics 902-23. Graduate tutorial.

Course Director and Instructor: Michael Ullman

Brain and Language. 1998, 2000, 2003, 2005, 2007. (see above)

The Development of Cross-Linguistic Assessment Tools. Linguistics 902-23. Graduate tutorial. 2003.

Course Director and Instructor: Michael Ullman

Instructed Second Language Acquisition. 2001, 2003, 2005, 2006.

Spanish /Linguistics 509. Graduate course.

Lecture: The biocognition of second language acquisition and processing. 2005.

Lecture: The declarative/procedural model: Extensions to second language acquisition and processing. 2001, 2003.

Linguistics and Cognitive Science. 2002.

Linguistics 563. Graduate course. Course director: Paul Portner.

Director of one of the three sections in the course (Neurolinguistics): Michael Ullman.

Instructor of two lectures in this section: Michael Ullman.

Topics in Brain and Language Research: Language, Laterality and Handedness. 2001.

Linguistics 901-21. Graduate tutorial.

Course Director and Instructor: Michael Ullman

Topics in Brain and Language Research. Linguistics 902-23. Graduate tutorial. 2001.

Course Director and Instructor: Michael Ullman

Topics in psycholinguistics and neurolinguistics. 1999.

Tutorial, Department of Linguistics.

Course Director and Instructor: Michael Ullman

UNDERGRADUATE COURSES, MAIN CAMPUS, GEORGETOWN UNIVERSITY

The neurocognition of second language training and retention. 2007.

Linguistics 301. Tutorial.

Course Director and Instructor: Michael Ullman

Proseminar in Cognitive Science I. 2000-present.

ICOS-320. Cognitive Science Program.

Lecture: Brain and Language. 2004-present.

Lecture: Language Acquisition. 2000-2003.

Research Proseminar in Cognitive Science II. 1998, 2000, 2001, 2002, 2004, 2005.

ICOS-321. Cognitive Science Program.

Three Week Research Module: Seeing Language in the Brain. 2004, 2005.

Directors and Instructors of Module: Michael Ullman and Matthew Walenski

Three Week Research Module: Seeing Language in the Brain. 2002.

Directors and Instructors of Module: Michael Ullman and Karsten Steinhauer

Three Week Research Module: Seeing Language in the Brain. 2001.

Director and Instructor of Module: Michael Ullman. Additional instructor: Karsten Steinhauer

Three Week Research Module: Language in the Brain. 2000.

Director and Instructor of Module: Michael Ullman.

Three Week Research Module: Language in the Brain. 1998.

Director and Instructor of Module: Michael Ullman.

Research Frontiers in Biophysics. 1999, 2001, 2005.

Lecture: How the brain works. 1999.

Lecture: Processing signals in the brain. 2001.

Lecture: Methods in Cognitive Neuroscience. 2005.

The neural and functional basis of Specific Language Impairment. 2002.

Linguistics 302-21. Tutorial.

Course Director and Instructor: Michael Ullman

Left-handers, language, and the brain . 2002.

Linguistics 302-21. Tutorial.

Course Director and Instructor: Michael Ullman

Topics in Psycholinguistics and Neurolinguistics. 2001.

ICOS-301-02. Research Tutorial: Cognitive Science.

Course Director and Instructor: Michael Ullman

The representation and computation of complex and simple linguistic forms. 2001.

Linguistics 302. Research Tutorial.

Course Director and Instructor: Michael Ullman

Topics in psycholinguistics and neurolinguistics: Sex, hormones, and language. 2001.

Linguistics 302-01. Tutorial.

Course Director and Instructor: Michael Ullman

Pharmacological and Epidemiological Neurolinguistics. 2001.

Linguistics 302-21. Tutorial.

Course Director and Instructor: Michael Ullman

GRADUATE AND UNDERGRADUATE COURSES, MIT

Developmental Cognitive Neuroscience. 1996.

Winter session course, MIT.

Course Directors and Instructors: Michael Ullman and Adele Diamond.

Cognitive Neuroscience. 1995.

Undergraduate seminar, Department of Brain and Cognitive Sciences.

Lecture: The neural bases of language

Cognitive Neuroscience. 1993.

Graduate and undergraduate course, Department of Brain and Cognitive Sciences. 1

Lecture: Functional brain imaging: An overview.

Functional brain imaging: Taking pictures of the brain at work. 1993.

Lecture in Winter Session course at MIT.

The biology of language. 1991.

Graduate course, Department of Brain and Cognitive Sciences.

Lecture: Functional brain imaging techniques.

Laboratory in Cognitive Science. 1991.

Undergraduate course, Department of Brain and Cognitive Sciences.

Teaching Assistant.

Introduction to Psychology. 1989.

Undergraduate course, Department of Brain and Cognitive Sciences.

Section Leader.

OTHER TEACHING

Handedness, language and the brain: Independent ERP research project. 2007.

COGS1970 - Independent Study

Independent study for undergraduate at Brown, co-taught with Professor Sheila Blumstein at Brown

Role: Course Co-Director/Instructor, together with Prof. Blumstein

Neuroimaging of Language. 2003.

Three week course given at the Linguistics Society of America (LSA) Summer Institute (co-taught with Karsten Steinhauer). Michigan State University, East Lansing, MI.

Sex Differences in Language, Mind and Brain. 2006.

Lecture given at Churchill High School, Potomac, MD.

STUDENT TRAINING

PHD STUDENTS AS MENTOR

Mentor of Jeffrey Scialabba, PhD student, Department of Linguistics, Georgetown University. 2007-present.

Mentor of Robbin Miranda, PhD student, Interdisciplinary Program in Neuroscience (IPN), Georgetown University. 2003-present.

Awarded NSF Graduate Research Fellowship (2003-2006).

Mentor of Ivy Estabrooke, PhD student, Interdisciplinary Program in Neuroscience (IPN), Georgetown University. 2001-2005.

Awarded NIH Predoctoral Fellowship; Neural Injury and Plasticity Training Grant (2002-2003)

Mentor of Helen Carpenter, PhD student, Department of Linguistics, Georgetown University. 2001-present.

Mentor of Harriet Wood Bowden, PhD student, Department of Spanish and Portuguese, Georgetown University. 2001-present.

Awarded NIH National Research Service Award (NRSA) for Individual Pre-doctoral Fellows (Score 139, Percentile 3.2), 2003.

Awarded NSF Research Grant for Improving Doctoral Dissertation Research.

Currently Assistant Professor, Department of Modern Foreign Languages and Literatures, University of Tennessee, Knoxville, Tennessee

Mentor of Kara Morgan-Short, PhD student, Department of Spanish and Portuguese, Georgetown University. 2001-present.

Awarded NIH National Research Service Award (NRSA) for Individual Pre-doctoral Fellows (Score 144, Percentile 6.7), 2003.

Awarded NSF Research Grant for Improving Doctoral Dissertation Research.

Currently Assistant Professor, Department of Spanish, French, Italian and Portuguese, and Department of Psychology, University of Illinois, Chicago, Illinois

Co-Mentor (Dissertation co-Director) of Madhavi Gayathri Raman, Ph.D student, School of English Language Education, Central Institute of English and Foreign Languages, Hyderabad, India, 1999-2006. (Official advisor: Professor R. Amritavalli)

Mentor of Martina Hedenius, PhD student, Department of Neuroscience, University of Uppsala, Sweden. 2006-present.

Co-Mentor (unofficial) of Aaron Newman, PhD student, Department of Psychology, University of Oregon. 1998-2002. (Official mentor: Helen Neville)

Currently Assistant Professor, Dalhousie University, Halifax, Nova Scotia, Canada

Mentor of Claudia Brovetto, PhD student, Department of Linguistics, Georgetown University. 1999-2002. PhD received in 2002.

Awarded NSF Research Grant for Improving Doctoral Dissertation Research.
Currently Assistant Professor, Universidad Catolica del Uruguay, Montevideo, Uruguay

PHD COMMITTEES

PhD dissertation committee (Discussant and Reviewer) for Maurits van den Noort, PhD student, School of Psychology, University of Bergen, Bergen, Norway. 2007-present.

PhD dissertation committee (External Examiner) of Renita Silva, PhD student, Department of Language and Linguistics, University of Essex, Colchester, United Kingdom. 2007-present.

PhD dissertation committee of Dominik Rus, PhD student, Department of Linguistics, Georgetown University. 2006-present.

PhD dissertation committee of Heather Bonikowski, PhD student, Department of French and Italian, University of Texas, Austin. 2002-present.

PhD dissertation committee (External Examiner) of Madhavi Gayathri Raman, Ph.D student, School of English Language Education, Central Institute of English and Foreign Languages, Hyderabad, India, 2006.

PhD dissertation committee of Sean Rogers, PhD student, Interdisciplinary Program in Neuroscience, Georgetown University, 2003-present.

PhD dissertation committee of Bernard Kripkee, PhD student, Department of Linguistics, Georgetown University. 1999-2005.

PhD dissertation committee of Marco Campos, PhD student, Department of Linguistics, Georgetown University. 2000-2003.

PhD dissertation committee of Kyrana Tsapkini, PhD student, Department of Linguistics, University of Montreal. 2000-2001.

PHD ORALS COMMITTEES

Mark Chevillet, Ph.D candidate. Qualifying Orals Exam. Interdisciplinary Program in Neuroscience (IPN), Georgetown Medical Center, Georgetown University. 2007.

Jeremy Purcell, Ph.D candidate. Qualifying Orals Exam. Interdisciplinary Program in Neuroscience (IPN), Georgetown Medical Center, Georgetown University. 2007.

Helen Carpenter. Ph.D. Oral Comprehensive Examination. Department of Linguistics, Georgetown University. 2004.

Harriet Bowden-Wood. Ph.D. Comprehensive Examination. Department of Spanish and Portuguese, Georgetown University. 2003.

Kara Morgan-Short. Ph.D. Comprehensive Examination. Department of Spanish and Portuguese, Georgetown University. 2003.

Robbin Wood, Ph.D candidate. Qualifying Orals Exam. Interdisciplinary Program in Neuroscience (IPN), Georgetown Medical Center, Georgetown University. 2004.

Ivy Estabrooke, Ph.D candidate. Qualifying Orals Exam. Interdisciplinary Program in Neuroscience (IPN), Georgetown Medical Center, Georgetown University. 2003.

Sean Rogers, Ph.D candidate. Qualifying Orals Exam. Interdisciplinary Program in Neuroscience (IPN), Georgetown Medical Center, Georgetown University. 2002.

Kathleen Durkin, Ph.D candidate. Qualifying Orals Exam. Interdisciplinary Program in Neuroscience (IPN), Georgetown Medical Center, Georgetown University. 2001.

Bernard Kripkee. Ph.D. Qualifying Orals Examination. Department of Linguistics, Georgetown University. 1999.

Cherie Marvel, Ph.D candidate. Qualifying Orals Exam. Interdisciplinary Program in Neuroscience (IPN), Georgetown Medical Center, Georgetown University. 1998.

PHD STUDENT ROTATIONS (INTERDISCIPLINARY PROGRAM IN NEUROSCIENCE)

Evan Gordon. Spring 2008.

Pavel Ortinski. Fall 2002.

Jill Weisberg. Fall 2002.

Robbin Wood. Summer 2002.

Ivy Estabrooke. Summer 2000.

PHD STUDENTS AS FACULTY ADVISOR (general advisory role, to be distinguished from mentor)

Jill Weisberg. Interdisciplinary Program in Neuroscience. 2002-2006.

MASTERS STUDENTS AS MENTOR

Mentor of Laura Babcock, Masters student, Linguistics Dept, Georgetown University. 2007-present.

Mentor of Elizabeth Prado, Masters student, Linguistics Dept, Georgetown University. 2002-2004. Fulbright Fellow. Research Project: Examining cognitive changes resulting from micronutrient supplementation of 126,000 women in Lombok, Indonesia. Mentors: Michael Ullman, Anu Shankar.
Currently in PhD program, Department of Psychology, Lancaster University, Lancaster, United Kingdom.

MEDICAL STUDENTS AS RESEARCH MENTOR

Courtney Cutler. Medical Student, Georgetown University. 2006-present.
Research project: Language and reading dysfunction in cerebellar patients.

Sanjay Yadla. Medical Student, New York University. 2002.
Research project: Language impairments in Alzheimer's and Parkinson's diseases.

MEDICAL STUDENTS AS OFFICIAL ADVISOR

Millie Pevzner, 1st year medical student, Georgetown Medical Center, Georgetown University. 2000-2001.

Michael Spinelli, 1st year medical student, Georgetown Medical Center, Georgetown University. 1996-1998.

MENTOR OF VISITING SCHOLARS

Dezso Nemeth. 2007-present.
PhD, Experimental Psychology, Eotvos Lorand University of Sciences, Budapest, Hungary.
Assistant Professor, University of Szeged, Department of Psychology, Szeged, Hungary.

MENTOR OF POST-DOCTORAL FELLOWS AND RESEARCH ASSISTANT PROFESSORS

Co-Mentor (External Advisor) of Elma Blom. 2007-present.
Post-doctoral Fellow, Amsterdam Center of Language and Communication, University of Amsterdam, The Netherlands.
PhD, Utrecht Institute for Linguistics OTS, The Netherlands

Robbin Miranda. 2007-present.
PhD, Interdisciplinary Program in Neuroscience, Georgetown University.

Cristina Dye. 2006-present.
Ph.D., Linguistics and Cognitive Science, Cornell University, Ithaca, New York.

Matthew Walenski. 2000-2006.
Ph.D., Departments of Psychology and Linguistics, University of California, San Diego.
Co-PI, National Alliance for Autism Research. Research Grant. 2003-2005.
Co-PI, Mabel Flory Trust. Research Grant. 2003-2004
Currently Research Associate at the University of California, San Diego.

John Drury. 2000-2006.
Ph.D., Department of Linguistics, University of Maryland, College Park, Maryland. 2000-2005.
Currently post-doctoral fellow, School of Communication Sciences and Disorders, McGill University, Montreal.

Karsten Steinhauer.
Research Assistant Professor. 2003.
Postdoctoral Fellow. 2000-2002.
Ph.D., Max Planck Institute for Cognitive Neuroscience, Leipzig, and Free University of Berlin, Germany.
Currently Assistant Professor (tenure track), School of Communication Sciences and Disorders, McGill University, Montreal.

Roumyana Izvorski-Pancheva. 1998-2000.
Ph.D., Department of Linguistics, University of Pennsylvania, Philadelphia. 1998-2000.
Currently Assistant Professor in Linguistics at the University of Southern California.

UNDERGRADUATE RESEARCH TRAINING

Roland Dimaya. 2007-present.
Human Science major, Georgetown University School of Nursing and Health Studies.
Bachelor's expected Spring 2009.

Brittany Sonnichsen. 2007-present.
Psychology major, Music and Cognitive Science minors, Georgetown University.
Bachelor's expected Spring 2008.

Stephanie Lukas. 2006-present.
Linguistics and Spanish & Portuguese major, Georgetown University.
Bachelor's expected Spring 2008.

Selin Gulgoz. 2007-present.
Koc University, Istanbul, Turkey. Bachelor's expected Spring 2009.

Matthew Gelfand. 2005-present.
Brown University. Bachelor's expected Spring 2008.

Michelle Travers. 2005-2007.
Linguistics major, Georgetown University. Bachelor's expected Spring 2008.

Mentor of Jocelyn Curchak. 2001-2003.
Cognitive Science major, Vassar College. Bachelor's expected Spring 2004.
Thesis topic: The neurocognitive bases of language deficits in ADHD.

Mentor of Sarah Lee. 2001-2003.
Cognitive Science major, Georgetown University. Bachelor's awarded Spring 2003.
Thesis title: The relationship between handedness and language.
Note: She was the first Cognitive Science major at Georgetown University.

Elizabeth Pierpont. 2001-2002.
Linguistics major, Georgetown University. Bachelor's awarded Spring 2004.

Joshua Hartshone. 2000-2002.
Biological Psychology and Mathematics double major, Oberlin College, Oberlin, Ohio.
Bachelor's received Spring 2002.

Elizabeth Prado. 2000-2002.
Linguistics major, Georgetown University. Bachelor's received Spring 2002.

Kirk McMurray. 1998-1999.
Cognitive Science and Psychology major, Georgetown University. BA, Spring 1999.

POST-UNDERGRADUATE RESEARCH TRAINING

John Stowe. 2006-present.
B.A., Cognitive Science, Johns Hopkins University, 2006.
Research Assistant/Lab Manager. Carrying out independent research in Ullman's lab on a number of psycholinguistic and neurolinguistic projects.

Marco Piñeyro II. 2005-present.
B.A., Linguistics, Northwestern University, 2005.
Research Assistant/Lab Manager. Carrying out independent research in Ullman's lab on a number of psycholinguistic and neurolinguistic projects.

Christopher Maloof. 2004-present.
B.A., Computer Science, Amherst College, 2002.
M.S.E., Computer and Information Science, University of Pennsylvania. Spring 2004.
Focus on computational linguistics.
Research Assistant/Lab Manager. Carrying out independent research in Ullman's lab on a number of psycholinguistic and neurolinguistic projects.

Jocelyn Curchak. 2004-2005.

B.A., Cognitive Science, Vassar College. 2004.

Research Assistant/Lab Manager. Carrying out independent research in Ullman's lab on developmental disorders, especially ADHD and dyslexia.

Elizabeth Prado. 2004-2005.

B.A., Linguistics, Georgetown University, 2002.

Masters, Linguistics, Georgetown University, 2004.

Research Assistant. Carrying out independent psycholinguistic research in Ullman's lab, on the effects of imageability and phonological neighborhood on the storage of inflected forms.

Shira Fischer. 2003-2004.

B.A. degree with honors in Biochemistry, 2001, Harvard University.

Carrying out independent research in Ullman's lab on second language acquisition and processing.

Sarah Lee. 2003-2005.

Cognitive Science major, Georgetown University. Bachelor's awarded Spring 2004. (see above)

Carrying out independent research in Ullman's lab on the neurocognitive bases of handedness and language laterality.

Claudia Bonin. 2003-2005.

B.A. , Duke University, 1982.

Carrying out independent research in Ullman's lab on dyslexia and language.

Joshua Hartshorne. 2002-present.

Biological Psychology and Mathematics double major, Oberlin College, Oberlin, Ohio. Bachelor's received Spring 2002.

Carried out independent research in Ullman's lab on the neurocognition of complex linguistic forms, and on sex differences in the neurocognition of language. Thus far authored two abstracts, two papers submitted, and one paper in preparation. Currently performing research in Russia.

Matthew Moffa. 2002-2005.

Physics and Religion double major, University of Rochester, NY. BA and BS, Spring 2002.

Lab Manager of the Brain and Language Lab. Also Research Assistant, carrying out independent research in the lab, focusing on ERP studies and the neurocognitive bases of handedness.

Kaori Ozawa. 1998-2002.

Cognitive Science Major, Johns Hopkins University, Baltimore, MD. BA, Spring 1999.

Carried out independent research in Ullman's lab on several project.: Author on one peer-reviewed paper, three peer-reviewed abstracts, and three other abstracts. Currently a doctoral candidate in the Department of Linguistics at the University of Maryland, College Park (Advisor: Colin Phillips).

Courtney Horwitz. 1997-1998.

Speech and Hearing Major, George Washington University, Washington, DC. BA, December 1997.
Carried out independent research in Ullman's lab. Currently a doctoral candidate in the Brain, Behavioral and Cognitive Program at Boston University (Advisor: Catherine Harris).

Eiling Yee 1996-1998.

Cognitive Science Major, University of Rochester, Rochester, NY. BA, Spring 1996.

Carried out independent research in Ullman's lab: Author on one peer-reviewed paper and two abstracts. Currently a doctoral candidate in the Cognitive Science Program at Brown University (Advisor: Sheila Blumstein).

HIGH SCHOOL RESEARCH TRAINING

Olivia Gilliatt. 2002-2003.

Graduated from Sleepy Hollow High School, New York, Spring 2004.

Carrying out independent research in Ullman's lab on second language acquisition and processing in native speakers of Spanish. For this research, she has been awarded Finalist in the Intel International Science and Engineering Fair, and First Place in Behavioral Science *and* overall at the Regional Intel Science and Engineering Fair.

TRAINING GRANTS

AWARDED

NSF BCS 0519133. Research Grant for Improving Doctoral Dissertation Research. 2006-2007.

PI: Michael Ullman.

“Doctoral Dissertation Research: The role of experience in second language neurocognition.” For funding the doctoral dissertation of Harriet Wood Bowden, PhD candidate in the Department of Spanish and Portuguese, Georgetown University.

Total costs: \$12,000.

NSF BCS 0446836. Research Grant for Improving Doctoral Dissertation Research. 2005-2007.

PI: Michael Ullman.

“Doctoral Dissertation Research: A neurolinguistic investigation of second language acquisition: Effects of explicit and implicit learning environments.” Funding the doctoral dissertation of Kara Morgan-Short, PhD candidate in the Department of Spanish and Portuguese, Georgetown University.

Total costs: \$12,000.

NSF Graduate Research Fellowship. 2004-2006.

Predocctoral Applicant: Robbin Wood. Mentor: Michael Ullman.

Research Project: The declarative/procedural model and the neurocognition of music.

Note: one of only 24 awarded nationwide in Neuroscience in 2003, and the only one at Georgetown University.

NIH National Research Service Awards (NRSA), Individual Pre-doctoral Fellows (F31). 2003-07.

Predocctoral Applicant: Kara Morgan-Short. Sponsor: Michael Ullman.

“Second language learning: An artificial language study”

Score: 144. Percentile: 6.7

Total costs: \$84,000.

NIH National Research Service Awards (NRSA), Individual Pre-doctoral Fellows (F31). 2003-08.

Predocctoral Applicant: Harriet W. Bowden. Sponsor: Michael Ullman.

“Experience in late-acquired language neurocognition”

Score: 139. Percentile: 3.2

Total costs: \$84,000.

NIH Predocctoral Fellowship: Neural Injury and Plasticity Training Grant. 2002-2003

“Neuropharmacological Approaches to the Recovery of Language after Neural Insult.”

Predocctoral student: Ivy Estabrooke. Sponsors: Michael Ullman, Paul Aisen (both at Georgetown).

Fulbright Fellowship. 2002-2003.

Research Project: Micronutrient supplementation of 126,000 women in Lombok, Indonesia: Effects on Neurocognition.

Awarded to Elizabeth Prado. Mentors: Michael Ullman (Georgetown) and Anuraj Shankar (Helen Keller International).

NSF BCS 0001961. Research Grant for Improving Doctoral Dissertation Research. 2000-2002.
PI: Michael Ullman.

“The representation and processing of verbal morphology in first and second language.” For funding the doctoral dissertation of Claudia Broveto, PhD candidate in the Department of Linguistics, Georgetown University.

Total costs: \$12,000.

Note: This is the first NSF Doctoral Dissertation Grant in Linguistics awarded to a faculty member at Georgetown University.

NSF REU (Research Experience for Undergraduates) Supplement. 2000-2001.

PI: Michael Ullman.

“An interference study investigating the declarative/procedural model of language.”

Total costs: \$4282.

Member, Core Training Faculty. NIH Training Grant: Interdisciplinary Program in Neuroscience. 2001-2006. PI: Karen Gale.

Member, Core Training Faculty. NIH Training Grant: Neural Injury and Plasticity. (T32 NS41218-01) 2001-2006. PI: Jean Wrathall.

Member, Core Training Faculty. NIH Training Grant: Recovery of Function after CNS Injury. PI: Barbara Bregman.

PENDING

NSF Research Grant for Improving Doctoral Dissertation Research. 2006-2007.

PI: Michael Ullman. “Doctoral Dissertation Research: The role of declarative and procedural memory in second language aptitude” For funding the doctoral dissertation of Helen Carpenter, PhD candidate in Linguistics, Georgetown University.

Total costs: \$12,000. Ullman Percent Effort: 0%.

Sweden-America Foundation. Scholarship for Graduate Research. 2008-2009.

PI: Martina Hedenius. Primary Mentor: Ullman.

Research project: Declarative and procedural memory and compensatory strategies in Specific Language Impairment.

Total costs: \$57,200. Ullman Percent Effort: 0%

RESEARCH GRANTS

AWARDED - CURRENT

NIH R01 HD049347. 1999-2009.

PI: Michael Ullman. (10.1 percentile)

“Contribution of neural memory circuits to language.” (Competitive Renewal of MH58189)

Total costs: \$1,820,940. Ullman Percent Effort: 50%.

NSF SBR-9905273. 1999-2006. (1999-2003; extended to present)

PI: Michael Ullman.

“A role for declarative and procedural memory in language.”

Total costs: \$281,078. Ullman Percent Effort: 20% (1999-2003).

Supplements: \$500,000

NIH. R03 HD050671. 2005-2008.

PI: Jennifer Ganger (University of Pittsburgh).

Sucontractual PI: Michael Ullman

“Effects of genetic variation in dopamine on language.” (1.2 percentile)

Total costs: \$100,000. Total costs of subcontract: \$45,101. Ullman Percent Effort: 5%.

Mabel Flory Trust. Research Grant. 2007-2008.

PI: Michael Ullman.

Compositional semantics in aphasia.

Total costs: \$13,250. Ullman Percent Effort: 0%.

Allen Foundation. Research Grant. 2007-2008.

Co-I: Michael Ullman. (PI: Katie Alcock, University of Lancaster, UK.)

“Developmental outcomes of maternal micronutrient supplementation at three years of age.”

Total costs: \$56,221. Ullman Percent Effort: 0%.

Mabel Flory Trust. Research Grant. 2006-2007.

PI: Michael Ullman.

A neurocognitive mechanism for language recovery in aphasia.

Total costs: \$13,250. Ullman Percent Effort: 0%.

Pfizer, Inc. 2001-present.

PIs: Michael Ullman and Paul Aisen, Georgetown University.

“Effects of Donepezil Therapy on Electrophysiological and Neuroimaging Measures of Brain Activity.”

Total costs: \$201,783. Ullman Percent Effort: 20% (2001-2003).

NIH Mental Retardation and Developmental Disabilities Center (MRDDRC). 2001-2006.

NICHD Center Grant. PI: Mark Batshaw, Children’s National Medical Center.

Total costs: \$4,296,389. Ullman Percent Effort: 0%

AWARDED - PREVIOUS

NIH R01 MH58189. 1999-2003.

PI: Michael Ullman.

“Contribution of neural memory circuits to language.”

Total costs: \$518,160. Ullman Percent Effort: 40%

National Alliance for Autism Research. Research Grant. 2003-2005.

Neurocognitive correlates of language in autism.

PI: Michael Ullman.

Total costs: \$118,574

Ullman Percent Effort: 5%.

Mabel Flory Trust. Research Grant. 2003-2004.

PI: Michael Ullman.

The neurocognition of language and memory deficits in autism.

Total costs: \$7,450. Ullman Percent Effort: 0%.

National Alliance for Autism Research. Research Grant. 2001-2003.

Examination of a Deficit in Procedural Learning in Autism.

Co-Investigator: Michael Ullman. PI : Stewart Mostofsky.

Total costs: \$80,880. Ullman Percent Effort: 0%.

NIH R21. 2001-2004.

Co-Investigator: Michael Ullman. PI: Rhonda Friedman.

“Learning, Memory, and the Rehabilitation of Anomia.” Total costs: \$698,400.

Direct costs for Ullman: \$20,000. Ullman Percent Effort: 10%.

McDonnell-Pew Program in Cognitive Neuroscience: Investigator-Initiated Grant. 1998-2002.

PI: Michael Ullman.

“Contribution of neural memory circuits to language.”

Total costs: \$150,000. Ullman Percent Effort: 15%.

Department of Defense Cooperative Agreement. Army DAMD-17-93-V-3018/3019/3020, DAMD-17-99-2-9007. 1996-2001.

PI: Alan Faden, Georgetown University.

“Institute for Cognitive and Computational Sciences: Multidisciplinary Research Studies Relating to CNS Injury, Plasticity, and Treatment.”

Direct costs for Ullman: \$630,000. Ullman Percent Effort: 15%.

Georgetown University, Office of the Dean of Research. 2000-2001.

PI: Michael Ullman.

“Proposal for EEG/ERP core facility.”

Total costs: \$12,120. Ullman Percent Effort: 0%.

PENDING

Vetenskapsrådet, medicin. (The Swedish Research Council). Research grant. 2008-2010..
Co-PI: Michael Ullman. PI: Margareta Jennische. Uppsala University Hospital, Uppsala, Sweden.
"Declarative and procedural learning in children with Specific language Impairment".
Total costs: 2,101,000 Swedish Krona (approximately \$300,000)
Direct costs for Ullman: 400,000 Krona (~60,000)
Percent effort: 5%

Autism Speaks. Research Grant: Pilot Study. 2008-2010.
PI: Michael Ullman.
"The neurocognition of language acquisition in autism."
Total costs: \$120,000. Ullman Percent Effort: 0%.

*United States-Israel Binational Science Foundation. Research grant. 2008-2010.
Role: Consultant. PI: Tali Bitan, Haifa University.
"The role of procedural and declarative memory systems in learning morphological inflections in a novel language: an effective connectivity fMRI study"
Total costs: \$60,000. Percent Effort: 0%

PUBLICATIONS

PEER REVIEWED JOURNAL PUBLICATIONS

Walenski, M., Mostofsky, S. H., Larson, J. C. G., and **M.T. Ullman** (In Press). Enhanced picture naming in autism. *Journal of Autism and Developmental Disorders*.

Miranda, R.A and **M.T. Ullman** (2007). Double dissociation between rules and memory in music: an event-related potential study. *NeuroImage*. 38 (2). 331-345.

Walenski, M., Mostofsky, S. H., and **M.T. Ullman** (2007). Speeded processing of grammar and tool knowledge in Tourette's syndrome. *Neuropsychologia*. 45. 2447-2460

M.T. Ullman. (In Press). Evidence that lexical memory is part of the temporal lobe declarative memory, and that grammatical rules are processed by the frontal/basal-ganglia procedural system, *Brain and Language*.

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PROFESSIONAL EXPERIENCE IN COMPUTER SCIENCE AND MANAGEMENT

Data Acquisition Systems, Inc. 1982-1985.

Vice-President of Product Development. 1984-1985.

Responsible for product definition, design, implementation and testing. Managed departments of Applications Software, Systems Software, Hardware, Quality Assurance and Publications. Headed development of the ICON/1000 distributed control system (a multi-station networked computerized control system for the automated control of continuous processes such as the manufacture of pharmaceutical and biotechnological products). Designed the Computer Aided Process Engineering (CAPE) software (an icon-based diagrammatic control language and operator interface which became an industry standard over the following years).

Director of Software Development. 1982-1983.

Responsible for product definition, design, implementation and testing. Managed department of Software Development; responsibilities included hiring, project scheduling and budgeting. Designed Soft500, a multitasking data acquisition version of BASIC (used by researchers in academia and industry in the US and Europe).

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