

STEFAN EVERLING
Curriculum Vitae

ADDRESS: The University of Western Ontario
Departments of Physiology and Pharmacology & Psychology
The Brain and Mind Institute

Robarts Research Institute
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London, Ontario
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DATE OF BIRTH: 25 May 1968

NATIONALITY: German (Permanent Canadian Resident)

MARITAL STATUS: Married Claudia Maria Everling (Née von Rappard), 1992

CHILDREN: Daughter: d.o.b. 28.06.01 in London, Ontario, Canada
Son: d.o.b. 27.05.97 in Kingston, Ontario, Canada
Daughter: d.o.b. 13.10.93 in Bremen, Germany

RESEARCH INTERESTS: Functional Magnetic Resonance Imaging, Neurophysiology, Eye Movements, Frontal Lobe, Basal Ganglia, Attention, Resting-state, Schizophrenia, Stroke, Calcium imaging, Marmosets

EDUCATION: 1988-1995: University of Bremen, Germany

DEGREES: Dr. rer.nat. (Ph.D.) (1995) Biology
Diplom (MSc) (1992) Biology, Zoology
Vor-Diplom (BSc) (1995) Psychology
Vor-Diplom (BSc) (1990) Biology

AWARDS:

2016	Faculty Scholar Award (Univ. of Western Ontario)
2016	Dean's Research Excellence Award (Schulich School of Medicine & Dentistry)
2014:	Dean's Team Excellence Award (Schulich School of Medicine & Dentistry)
2010:	USC Teaching Honour Roll Award of Excellence
2008:	USC Teaching Honour Roll Award of Excellence
2007:	Dean's Team Award (Schulich School of Medicine & Dentistry)
2006:	USC Teaching Honour Roll Award of Excellence
2006:	Dean's Junior Excellence Award (Schulich School of Medicine & Dentistry)
2004:	USC Teaching Honour Roll Award of Excellence

2002: EJLB Foundation Scholar Research Award
 2001: PREA (Premier's Research Excellence Award)
 2001: CIHR (Canadian Institutes of Health Research)
 New Investigator Award
 2000: CAN (Cure Autism Now) Foundation
 Pilot Research Award
 2000: NARSAD
 Young Investigator Award
 1996: Deutsche Forschungsgemeinschaft,
 Postdoctoral Fellowship
 1995: Dr.rer.nat. with "summa cum laude"
 University of Bremen. Germany
 1992: Graduate Student Award from
 "Stiftung Constantia von 1823, Bremen"

POSITIONS HELD:

11/2019-
08-2020 Co-Director of the Translational Neuroscience Group
at the Robarts Research Institute

01/2015: Scientific Director of the Nonhuman Primate Facility at the
Robarts Research Institute

7/2011- : Full Professor (tenured)
Department of Physiology and Pharmacology,
The University of Western Ontario, London, Canada

10/2012-
6/2013 : Visiting Prof. at the Center for Interdisciplinary Research,
Bielefeld University, Germany "Competition and priority
control in mind and brain: New perspectives from task-
driven vision"

2007- : Robarts Scientist (London, Ontario, Canada)

2006-2011: Associate Professor (tenured)
Departments of Physiology and Pharmacology and
Psychology, The University of Western Ontario, London, Canada

2004-2007: Associate Scientist/Career Track,
Robarts Research Institute

2003-2012: Scientific Director of the Nonhuman Primate Facility at the
Robarts Research Institute

2002- : Cross-appointment in Psychiatry, UWO

2000-2006: Assistant Professor
Departments of Physiology and Pharmacology and
Psychology,
The University of Western Ontario, London, Canada

1999-2000: College lecturer at Somerville College, Oxford for Neurophysiol-
ogy and Brain & Behavior

- 1999-2000: Research Scientist, Medical Research Council, Cognition and Brain Sciences Unit, Cambridge, UK. Based in the Department of Experimental Psychology, University of Oxford, Oxford, UK
- 1996-1999: DFG Fellow at Queen's University, Department of Physiology, Kingston, Ontario, Canada
- 1993-1996: Teaching Assistant, Department of Biology and Chemistry, University of Bremen, Germany

RESEARCH EXPERIENCE

- 1999-2000: Heading a new laboratory for single-neuron recordings in awake behaving primates in the Department of Experimental Psychology, University of Oxford, UK
- 1996-1999: Postdoctoral fellow (Supervisor: Dr. D. P. Munoz, Department of Physiology, Queen's University, Kingston, Ontario, Canada).
- 1995-1996: Postdoctoral fellow (Supervisor: Dr. H. Flohr, Brain Research Institute, University of Bremen, Germany).
- 1992-1995: Doctoral thesis (Supervisor: Dr. H. Flohr, Department of Biology and Chemistry, University of Bremen, Germany).
- 1991-1992: Master project (Supervisor: Dr. H. Flohr, Department of Biology and Chemistry, University of Bremen, Germany)

SCHOLARLY ACTIVITIES:

Editorial

Associate Editor *Journal of Neurophysiology* 2014-2020

Scientific Review Associate *European Journal of Neuroscience* 2009-2012

Scientific Advisory Board

"Integrated neural networks in the primate brain", Oxford University, UK 2014-2019

Memberships:

American Physiological Society
Society for Neuroscience
Society for the Neural Control of Movement
Deutscher Hochschulverband
Japanese Neuroscience Society

Reviewer:

Biological Psychiatry
BMC Neuroscience
Brain Research

Cerebral Cortex
 Cognitive and Affective Behavioral Neuroscience
 Cognitive Neuropsychology
 Current Biology
 European Journal of Neuroscience
 Experimental Brain Research
 Experimental Psychology
 Journal of Alzheimer's Research
 Journal of Cognitive Neuroscience
 Journal of Neurophysiology
 Journal of Neuroscience
 Nature
 Nature Neuroscience
 NeuroImage
 Neuropsychologia
 Neuroreport
 Neuron
 Neuroscience and Biobehavioural Reviews
 PlosOne
 Proceedings of the National Academy of Science (USA)
 Psychological Research
 Psychophysiology
 Schizophrenia Research
 Trends in Cognitive Sciences
 Vision Research

Grant Application Appraisals:

Biotechnology and Biological Sciences Research Council UK
 Canadian Institutes of Health Research
 Cure Autism Now Foundation
 Medical Research Council UK
 Natural Science and Engineering Research Council Canada
 Deutsche Forschungsgemeinschaft (German Research Council), SFB 550 (2004), Clusters of Excellence (2006 - 2007), Forschergruppe Giessen/Marburg (2007), SFB 550 (2008), SFB Tuebingen (2011), SFB Magdeburg (2015)
 DFG review panel for Coordinated Research Center „Understanding Psychoses: Translating Risk Mechanisms into Novel Treatments“, Munich, Germany (2019)
 National Institutes of Health (USA) (2008)
 Wellcome Trust, Strategic Grants (2013)
 Ontario Problem Gambling (2011-2013)
 Netherlands Organisation for Scientific Research (NWO), Earth and Life sciences division (2018)
 Wellcome Trust, Strategic Grants (2018)

COMMITTEE MEMBERSHIPS:

University

University Council on Animal Care – Animal Users Subcommittee (2002 – 2005, 2008-2010)
 Search Committee for Animal Care and Veterinary Services Director (2008)
 Medicine, Research and Society Committee (2010-2012), Chair
 Program Committee, Graduate Program in Neuroscience (2003-2006, 2011-2014)
 Reviewer, Petro-Canada Young Innovator Award Competition (2011)
 Search committee for Western Research Chairs in Cognitive Neuroscience (2013)
 Search Committee for Animal Care and Veterinary Services Director (2019)

Animal Facility Infrastructure Working Group (2016-2017)
Brain and Mind Steering Committee (2016-2018)
BrainsCAN, Nonhuman Primate Core, Chair (2016-2019)
BrainsCAN, HQP committee, co-Chair (2017-2019)
Western Neuroscience Institute (WIN) Working Group (2020)
Western Neuroscience Institute (WIN) Steering Committee (2021-)

Faculty

NSERC summer studentship selection committee, Faculty of Medicine and Dentistry (2003)
Search Committee for the Chair of Clinical Neurological Sciences (2008-2009)
Promotion and Tenure committee, Dept. of Anatomy and Cell Biology (2010-2012)
NSERC RTI Review panel (2013)
Robarts Executive Committee (2019-2020)

Departmental

Search Committee for CRC in Primate Neuroscience (2010-2012)
Research Committee, Physiology and Pharmacology (2010-2012)
Space Committee, Physiology and Pharmacology (2008-2010, 2016-)
Appointments Committee, Physiology and Pharmacology (2005- 2008, 2013-2014, 2019-)
Performance Evaluation Committee (2007-2008)
Executive Committee, Physiology and Pharmacology (2005-2006, 2014-2015)
Promotion and Tenure Committee (2006-2007)
Animal Users Committee, Psychology (2002- 2005)
Committee on Graduate Studies, Physiology and Pharmacology (2003-2004)
Committee on Graduate Studies, Physiology (2001- 2003)
Space and Facilities Committee, Psychology (2001-2003)
Workload Committee, Physiology and Pharmacology (2011)
Space Committee, Physiology and Pharmacology (2015-)

Others

CIHR New Investigator Awards Committee (2006-2008)
CIHR Behavioural Sciences C Committee (2005, 2008, 2009-2013, 2017-2019)
College of Reviewers for the Canada Research Chairs Program (2003-)
CIHR Master's Awards (2004)
CIHR Doctoral Awards A Committee (2001- 2004)
Partners in Research, National Board Member (2011-2012)
Canadian Council on Animal Care, Nonhuman Primate Working Group (2012-2017)
NIH Marmoset Working Group – Neuroimaging (2020-)

GRADUATE STUDENT AND RESEARCH TRAINEE SUPERVISION:

Kristen A Ford	Neuroscience Ph.D.	9.2002-5.2009	NSERC, CGS	
Michael J Koval	Neuroscience, Ph.D.	5.2008-11.2012	CGS 2009-2012	
Matthew RG Brown	Neuroscience Ph.D.	9.2003-11.2007	CGS	Co-supervisor with Dr. Tutis Vilis
Jessica Phillips	Neuroscience, Ph.D.	9.2008-3.2012	OGSST, OGS	
Michael Koval	Neuroscience, Ph.D.	9.2007-11.2012	CGS	Now Assistant Professor at Michigan State University
Matthew RG Brown	Neuroscience M.Sc.	9.2001- 9.2003	NSERC, CGS	Best M.Sc. Student in the Neuroscience program Award
Courtney Field	Physiology M.Sc.	9.2004-8.2006	CGS, CGS for PhD (declined)	
Helen Levin	Neuroscience M.Sc.	9.2004-8.2006		
Michael J Koval	Neuroscience M.Sc.	9.2004-8.2006		
Stephen Wegener	Physiology, M.Sc.	9.2006-8.2008	NSERC, CGS	
Jessica Phillips	Neuroscience, M.Sc.	9.2006-9.2008		
Victor Sanders	Neuroscience M.Sc.	9.2007-8.2009		
Michelle Bale	Neuroscience, M.Sc.	9.2009-6.2011	OGSST	
Iman Janemi	Neuroscience, M.Sc.	9.2009-6.2011	OGS, CIHR	
Sabeeha Hussein	Neuroscience, M.Sc.	9.2010-6.2012		
Kevin Skoblenick	Anatomy and Cell Biology, Ph.D.	8.2010-7.2014	CIHR	
Nikoo Hashemi	Neuroscience M.Sc.	1.2013-4.2015		
Brandon Belbeck	Neuroscience M.Sc.	9.2013-7.2015	NSERC	
Alex Major	Neuroscience M.Sc.	9.2013-8.2015		
Alex Major	Neuroscience PhD	9.2015-8.2019	OGS OGSST, Alzheimer's Foundation, CIHR	
Jason Chan	Neuroscience, Ph.D.	9.2012-2017	CIHR	
Sahand Babapoor-Farrokhran	Neuroscience, Ph.D.	1.2011-9.2016	OGS	
Ramina Adam	Neuroscience, M.Sc.	9.2014-7.2020	NSERC OGSST, OGS	
Maryam Ghahremani	Neuroscience, Ph.D.	1.2015-5.2020	OGS	
Janahan Selvanayagahm	Neuroscience, PhD	9.2018-	NSERC CGS D	
Raymond Wong	Neuroscience, PhD	9.2019-	BrainsCAN Graduate Award	

Dr. Christopher Tinsley	Postdoctoral Fellow	1.2000-8.2000		Now Senior Lecturer, Nottingham Trent University, UK
Dr. Joseph DeSouza	Postdoctoral Fellow	9.2001-8.2004	NSERC	Now Associate Professor of Psychology at York University, Canada
Dr. Kevin Johnston	Postdoctoral Fellow	7.2003-8. 2007		Now Research Scientist University of Western Ontario, Canada
Dr. Kevin Johnston	Research Scientist	7.2011-		
Dr. Andrew Graham	Postdoctoral Fellow	1.7.2007-19.8.2008		
Dr. Thilo Womelsdorf	Research Scientist	1.1.2008-30.6.2011		Now Associate Professor at Vanderbilt University, USA
Dr. Daniel Kaping	Postdoctoral Fellow	1.5.2010-12.2011		Now Managing Director at the Research Office, University of Konstanz, Germany
Dr. R. Matthew Hutchison	Postdoctoral Fellow	1.8.2012-31.8.2013		Now scientist at Biogen
Dr. Susheel Vijayraghavan	Postdoctoral Fellow	1.7.2011-31.8.2016		
Dr. Susheel Vijayraghavan	Research Scientist	1.9.2016-31.12.2019		
Dr. Liya Ma	Postdoctoral Fellow	1.1.2014-31.12.2019	CIHR PDF BrainsCAN PDF	Now Assistant Professor at Radboud University, Nijmegen, Netherlands
Dr. David Schaeffer	Postdoctoral Fellow	1.8.2016-8.2020	BMI PDF BrainsCAN PDF	
Dr. Yuki Hori	Postdoctoral Fellow	1.10.2018-		
Dr. Justine Clery	Postdoctoral Fellow	1.10.2017-	BMI PDF BrainsCAN PDF	
Nicole Hague	Veterinary Assistant	1.1.2013-31.10.2018		
Cheryl Vander Tuin	Veterinary Assistant	1.11.2018-		
Lauren Schaeffer	Research Assistant	1.9.2016-8.2020		

Advisory Committees

Brent Moyer	Physiology M.Sc.	2001-2003	Supervisor Dr. Lewis
Bryce Deniz	Physiology M.Sc.	2002-2004	Supervisor Dr. Henry
Neil Schwartz	Physiology M.Sc.	2002-2004	Supervisor Dr. Henry

Jillian Toogood	Neuroscience M.Sc.	2004-2005	Supervisor Dr. Martin
Andrew Davies	Neuroscience M.Sc.	2004	Supervisor Dr. Hayes
Andrew Davies	Neuroscience Ph.D.	2005-2006	Supervisor Dr. Hayes
Denis Gris	Neuroscience Ph.D.	2004-2006	Supervisor Dr. Weaver
Min-Lan Tsai	Neuroscience M.Sc.	2004-2006	Supervisor Dr. Leung
Robert Cantrup	Neuroscience M.Sc.	2004-2006	Supervisor Dr. Rajakumar
Lintao Qu	Neuroscience Ph.D.	2004-2007	Supervisor Dr. Leung
Sam Rezvani	Physiology M.Sc.	2005-2007	Supervisor Dr. Corneil
Benjamin Nagy	Neuroscience M.Sc.	2005-2008	Supervisor Dr. Corneil
Jim Elsley	Physiology M.Sc.	2005-2007	Supervisor Dr. Corneil
Nick Cothros	Neuroscience M.Sc.	2005-2008	Supervisor Dr. Gribble
Jennifer Lo	Medical Biophysics, M.Sc.	2007-2009	Supervisor Dr. Petersen
Brendan Chapman	Neuroscience M.Sc., Ph.D.	2004-2011	Supervisor Dr. Corneil
Ed O'Neil	Neuroscience Ph.D.	2007-2008	Supervisor Dr. Koehler
Scott Stevenson	Neuroscience M.Sc.	2007-2009	Supervisor Dr. Corneil
Michael Pace	Neuroscience M.Sc.	2008-2010	Supervisor Dr. Corneil
Tyler Peel	Neuroscience Ph.D.	2009-2017	Supervisor Dr. Corneil
Rick Ezekiel	Neuroscience M.Sc.	2010-2012	Supervisor Dr. Morton
Katie Knapp	Neuroscience M.Sc.	2010-	Supervisor Dr. Morton
Mark Daley	Neuroscience M.Sc.	2010-2012	Supervisor Dr. Culham
Steven Greening	ACB Ph.D.	2010-2011	Supervisor Dr. Mitchell
James Kryklywy	Neuroscience M.Sc.	2011-2012	Supervisor Dr. Mitchell
Stacey Holbrook	Neuroscience M.Sc.	2011	Supervisors Drs. Ossenkopp and Kavaliers
Peter Nguyen	Neuroscience, M.Sc.	2011-2012	Supervisor Dr. McRae
Lyndon Dong	Physiology, M.Sc.	2015-2017	Supervisor Dr. Martinez
Kayla Ryan	Medical Biophysics, Ph.D.	2014-2018	Supervisor Dr. Bartha
Kathryn Manning	Medical Biophysics, Ph.D.	2015-2018	Supervisor Dr. Menon
Oliva Walton Stanley	Medical Biophysics, Ph.D.	2016-	Supervisor Dr. Menon

Examining committees

M. George	Physiology M.Sc.	16.9.2003	Supervisor Dr. Drysdale	Chair
C. Quinn	Physiology M.Sc.	22.9.2003	Supervisor Dr. Kennedy	Chair
B. Deniz	Physiology M.Sc.	2.6.2004	Supervisor Dr. Henry	Chair
S. Danckert	Neuroscience M.Sc.	22.9.2004	Supervisor Dr. Koehler	Chair
J. Toogood	Neuroscience M.Sc.	6.10.2005	Supervisor Dr. Martin	Chair
L. Naemsch	Physiology Ph.D.	2001	Supervisors Drs. Sims and Dixon	Examiner

S. Dukelow	Neuroscience Ph.D.	27.2.2002	Supervisor Dr. Vilis	Examiner
J. Hoshoooley	Neuroscience M.Sc.	20.8.2002	Supervisor Dr. Sherry	Examiner
T. Herter	McGill Ph.D.	2003	Supervisor Dr. Guitton	Examiner
J. Connolly	Neuroscience Ph.D.	12.1.2004	Supervisor Dr. Goodale	Examiner
J. Cant	Neuroscience M.Sc.	23.9.2004	Supervisor Dr. Goodale	Examiner
M. Sanderson	Neuroscience M.Sc.	7.12.2004	Supervisor Dr. Lanius	Examiner
B. Chapman	Neuroscience M.Sc.	28.8.2006	Supervisor Dr. Corneil	Examiner
S. Rezvani	Physiology M.Sc.	3.7.2007	Supervisor Dr. Corneil	Examiner
J. Elsley	Physiology M.Sc.	27.7.2007	Supervisor Dr. Corneil	Examiner
E. O'Neil	Neuroscience M.Sc.	13.8.2008	Supervisor Dr. Koehler	Examiner
A. Andres	Communication Sciences & Disorders M.Sc.	6.8.2008	Supervisor Dr. Cardy	Examiner
D. Wood	Neuroscience M.Sc.	2.9.2009	Supervisor Dr. Goodale	Examiner
P. Jaramillo	Biology Ph.D.	30.10.2009	Supervisor Dr. Donald Hayden	Chair
H. Steenland	Physiology Ph.D.	26.05.2010	Supervisor Dr. Min Zhou (U of Toronto)	External Ex- aminer
A. Kirchner	Neuroscience, M.Sc.	19.8.2013	Supervisor Dr. Owen	Examiner
C. Gu	Neuroscience, M.Sc.	19.6.2014	Supervisor Dr. Corneil	Chair
J. Desimone	Kinesiology, M.Sc.	28.8.2014	Supervisor Dr. Heath	Examiner
R. Whitwell	Neuroscience Ph.D.	16.6.2015	Supervisor Dr. Goodale	Examiner
S. Matviyenko	Theory & Criticism	14.12.2015		Chair
M. Lowthers	Anthropology	16.12.2015		Chair
A. Sajad	Biology, York Universi- ty	4.5.2016	Supervisor Dr. Crawford, York Univ.	Examiner
S. Vijayakumar	Psychology, Radboud University, The Neth- erlands	11.12.2020	Supervisor Drs. Mars and Medendorp	Examiner

Comprehensive Exams:

S. Khan	Neuroscience Ph.D.	20.1.2004/□11.5.2005	Supervisor Dr. Timney	Chair
D. Quinlan	Neuroscience Ph.D.	21.4.2005	Supervisor Dr. Culham	Chair
M. Waxer	Psychology, Ph.D.	12.10.2006	Supervisor Dr. Morton	Examiner
B. Chapman	Neuroscience Ph.D.	30.2.2007	Supervisor Dr. Corneil	Examiner
D. Wood	Neuroscience, Ph.D.	17.8.2010	Supervisor Dr. Goodale	Examiner
J. Malins	Neuroscience, Ph.D.	10.12.2010	Supervisor Dr. Joannise	Examiner
E. O'Neil	Neuroscience, Ph.D.	14.6.2011	Supervisor Dr. Koehler	Examiner
J. Weiler	Kinesiology, Ph.D.	17.1.2012	Supervisor Dr. Heath	Examiner
T. Peel	Neuroscience, Ph.D.	10.7.2014	Supervisor Dr. Corneil	Examiner
C. Gu	Neuroscience, Ph.D.		Supervisor Dr. Corneil	Examiner
B. B. Chan	Neuroscience, Ph.D.	9.5.2017	Supervisor Dr. Culham	Chair

TEACHING:**2019-2020**

Physiology 1021, Introduction to Human Physiology, Lectures (468 students, 6 hours)
 Physiology 2130, Human Physiology, Lectures (596 students, 6 hours)
 Physiology 3130, Neurophysiology laboratory (evoked potentials and saccades) (8 hours)
 Neuro 9500, Principles of Neuroscience, Seminar (4 hours)

2018-2019

Physiology 4630b, Motor Neurophysiology, Course Manager (10 students, 26 hours)
 Physiology 3130, Neurophysiology laboratory (evoked potentials and saccades) (12 hours)
 Neuro 9500, Principles of Neuroscience, Seminar (4 hours)
 Psychol 9260A, CDBS Proseminar (2 hours)

2017-2018

Physiology 4630b, Motor Neurophysiology, Course Manager (18 students, 26 hours)
 Physiology 3130, Neurophysiology laboratory (evoked potentials and saccades) (12 hours)

2016-2017

Physiology 4630b, Motor Neurophysiology, Course Manager (24 students, 26 hours)
 Physiology 3130, Neurophysiology laboratory (evoked potentials and saccades) (12 hours)

2015-2016

Physiology 4630b, Motor Neurophysiology, Course Manager (25 students, 26 hours)
 Physiology 3130, Neurophysiology laboratory (evoked potentials and saccades) (12 hours)
 MedSci 4100g, Experimental Models and Animal Pathology (1 hour)

2014-2015

Physiology 4630b, Motor Neurophysiology, Course Manager (26 students, 26 hours)
 Physiology 3130, Neurophysiology laboratory (evoked potentials and saccades) (12 hours)

2013-2014

Physiology 4630b, Motor Neurophysiology, Course Manager (32 students, 26 hours)
Physiology 3130, Neurophysiology laboratory (evoked potentials and saccades) (12 hours)

2012-2013

Sabbatical leave

2011-2012

Physiology 3130, Neurophysiology laboratory (evoked potentials and saccades) (20 hours)
Physiology 4980, Seminar leader (2 hours)
Physiology 4630b, Motor Neurophysiology, Course Manager (54 students, 26 hours)

2010-2011

Neuroscience 9500, Seminar leader in Systems Neuroscience Section (2 hours)
Physiology 3130, Neurophysiology laboratory (evoked potentials) (20 hours)
Physiology 4980, Seminar leader (2 hours)
Physiology 4630b, Motor Neurophysiology, Course Manager (112 students, 26 hours)

2009-2010

Neuroscience 9500, Seminar leader in Systems Neuroscience Section (2 hours)
Physiology 3130, Neurophysiology laboratory (evoked potentials) (20 hours)
Physiology 4980, Seminar leader (2 hours)
Physiology 4630b, Motor Neurophysiology, Course Manager (100 students, 26 hours)

2008-2009

Neuroscience 500, Lecture in Systems Neuroscience Section (2 hours)
Physiology 313y, Neurophysiology laboratory (evoked potentials) (36 hours)
Physiology 4980, Seminar leader (2 hours)
Physiology 4630b, Motor Neurophysiology, Course Manager (75 students, 26 hours)

2007-2008

Neuroscience 500, Lecture in Systems Neuroscience Section (2 hours)
Physiology 3130, Neurophysiology laboratory (evoked potentials) (36 hours)
Physiology 480, Seminar leader (2 hours)
Physiology 463b, Motor Neurophysiology, Course Manager (93 students, 26 hours)

2006-2007

Neuroscience 500, Section Coordinator for Systems Neuroscience
Neuroscience 500, Lecture in Systems Neuroscience Section (2 hours)
Physiology 313y, Neurophysiology laboratory (evoked potentials) (36 hours)
Physiology 480, Seminar leader (2 hours)
Physiology 463b, Motor Neurophysiology, Course Manager (104 students, 26 hours)

2005-2006

Neuroscience 500, Section Coordinator for Systems Neuroscience
Neuroscience 500, Lecture in Systems Neuroscience Section (2 hours)
Physiology 313y, Neurophysiology laboratory (evoked potentials) (36 hours)
Physiology 480, Seminar leader (2 hours)
Physiology 463b, Motor Neurophysiology, Course Manager (56 students, 26 hours)

2004-2005

Neuroscience 500, Section Coordinator for Systems Neuroscience
Neuroscience 500, Lecture in Systems Neuroscience Section (2 hours)
Physiology 313y, Neurophysiology laboratory (evoked potentials) (24 hours)
Physiology 471a, Sensory Neurophysiology (2 hours)
Physiology 480, Seminar leader (2 hours)

Physiology 463b, Motor Neurophysiology, Course Manager (39 students, 26 hours)

2003-2004

Neuroscience 500, Section Coordinator for Systems Neuroscience
 Neuroscience 500, Lecture in Systems Neuroscience Section (2 hours)
 Physiology 310, Neurophysiology laboratory (evoked potentials) (24 hours)
 Physiology 480, Seminar leader (2 hours)
 Physiology 463b, Motor Neurophysiology, Course Manager (20 students, 26 hours)

2002-2003

Physiology 480, Member of the course committee (20 hours)
 Physiology 310, Neurophysiology laboratory (evoked potentials) (24 hours)
 Neuroscience 500, Lecture in Systems Neuroscience Section (2 hours)

2001-2002

Physiology 480, Member of the course committee (20 hours)
 Physiology 310, Neurophysiology laboratory (eye movements, evoked potentials) (16 hours)
 Neuroscience 500, Lecture in Systems Neuroscience Section (2 hours)
 Psychology 499F – Nadder Sharif, Kashta Dolphin (12 hours)
 Psychology 499G – Kristen Ford, Mark Avey (12 hours)

4th year B.Sc. Honours Students

Alexandra Steele (Physiology) B.MSc. (Hon)	2020-2021
Omar Elmoursi (Physiology) B.MSc. (Hon)	2018-2019
Robert Di Cesare (Physiology) B.MSc. (Hon)	2017-2018
Prince Deladem Asre-Agbo (Physiology) B.MSc. (Hon)	2016-2017
Jeremy Drung (Physiology) – B.MSc. (Hon)	2015-2016
Victoria Brzozowski (Physiology) B.MSc. (Hon)	2013-2014
Jane Liao (Physiology) – B.MSc. (Hon)	2011-2012
Stephanie Yurkewich (Physiology)-B.MSc. (Hon)	2010-2011
Hwa Lee (Physiology) - B.MSc. (Hon)	2008-2009
Sarah Aubin (Physiology) - B.MSc. (Hon)	2008-2009
Lindsay Farber (Psychology) - B.MSc. (Hon)	2007-2008
Amelia Szozda (Physiology) – B.MSc. (Hon)	2006-2007
Jessica Phillips (Physiology) – B.MSc. (Hon)	2005-2006
Benson Thomas (Physiology) – B.MSc. (Hon)	2004-2005
Michael Koval (Physiology) – B.Sc. (Hon)	2003-2004
Mark Avey (Psychology) – B.Sc. (Hon)	2002-2003
Nadder Sharif (Physiology) – B.Sc. (Hon.)	2002-2003
Julia Steele (Physiology) – B.Sc. (Hon.)	2001-2002

Summer Students

Raymond Wong	2019
Russell Alan Macmillian (3 rd year)	2015
Ramina Adam (4 th year)	2014
Victoria Brzozowski (4 th year)	2014
Tanja Lojpur (NSERC summer student)	2014
Sabeeha Hussein (4 th year)	2010
Michele Bale (4 th year)	2009
Lindsay Farber (3 rd year)	2007
Elizabeth Goodale	2007
Victor Sanders (3 rd year)	2006
Jessica Philips (4 th year)	2005
Michael Koval (4 th year)	2004

GRANTS:

Current Grants

BrainsCAN \$46,736
 Canada First Research Excellence Fund
 BrainsCAN Accelerator Program
 19.2.2019-31.3.2021
Dissecting the architecture of the neuromodulations of cognition in prefrontal cortical circuits with simultaneous intracellular recordings and local pharmacology in behaving marmosets
 Role: PI

CIHR (Canadian Institutes of Health Research) \$2,592,170 over 7 years
 Foundation Grant
 1.7.2016-30.6.2023
Muscarinic cholinergic modulation of cognition in primates
 Role: PI

Previous Grants

CIHR (Canadian Institutes of Health Research) \$875,355 over 5 years
 Project Grant (declined)
 1.7.2016-30.6.2021
Muscarinic modulation of working memory for abstract rules and cognitive control in nonhuman primates
 Role: PI

Stimulus Grant (CFREF) \$60,944
 1.7.2017-30.6.2018
Single-photon calcium imaging for interrogating the circuitry of the frontoparietal cognitive control network in awake behaving marmosets
 Role: PI

NSERC (Natural Science and Engineering Research Council) \$235,000 over 5 years
 \$47,000 per annum
 Discovery Grant
 1.4.2012-31.3.2017
Functional microarchitecture underlying target selection and saccade generation in the primate frontal eye fields
 Role: PI

CIHR (Canadian Institutes of Health Research) \$729,125 over 5 years
 \$145,825 per annum
 Operating Grant
 1.4.2013-31.3.2018 (terminated in July 2016 because of Foundation Grant)
Ketamine-induced NMDA receptor hypofunction in nonhuman primates as a model for cognitive deficits in schizophrenia
 Role: PI

CIHR (Canadian Institutes of Health Research) \$854,155 over 5 years
 \$170,831 per annum
 Operating Grant
 1.4.2011-31.3.2016
Role of frontal projections to the superior colliculus in

saccade suppression and task switching in primates

Role: PI

CIHR Accelerator Grant \$49,000

University of Western Ontario

1.2.2014 -31.1.2016

Resting-state fMRI in marmoset monkeys

Role: PI

CIHR (Canadian Institutes of Health \$855,800 over 5 years

Research)

\$171,160 per annum

Operating Grant

1.4.2010-31.3.2015

Neural mechanisms underlying the emergence of selective attentional control

Role: Co-applicant (PI Thilo Womelsdorf)

CFI (Canada Foundation for Innovation) \$6,235,244

2012 Leading Edge and New Initiatives Funds

Centre for Functional and Metabolic Mapping

Role : co-applicant with Ravi Menon (Project Leader), Daniel Ansari,

Blain Chronik, Jody Culham, Rhodri Cusack, Melvyn Goodale,

Victor Han, Adrian Owen, Peter Williamson

CIHR (Canadian Institutes of Health \$836,635 over 5 years

Research)

\$167,327 per annum

Operating Grant

1.10.2008-30.9.2013

Relationship between neural activity and blood oxygenation level-dependent (BOLD) signals in the primate frontal eye field

Role: PI

Grammy Foundation \$19,500

Grants Program

1.4.2012-31.3.2013

Brain responses to music in humans and nonhuman animals

Role: co-PI (PI Jessica Grahn)

CFI (Canada Foundation for Innovation) \$318,272

LOF

2011

Laboratory for Neural Circuits and Cognitive Control

Role: PI

OMHF (Ontario Mental Health Foundation) \$146,842 over 2 years

Research Grant

\$73,421 per annum

1.4.2010-31.3.2012

Cellular mechanisms underlying disruption of working memory for abstract rules in nonhuman primates

Role: PI

NSERC (Natural Science and Engineering \$117,435 over 5 years

Research Council)

\$23,487 per annum

Discovery Grant

1.4.2007-31.3.2012

Influence of high-level visual processes on saccadic eye movements

Role: PI

CIHR (Canadian Institutes of Health Research)	\$696,850 over 5 years
Resource Grant	\$139,370 per annum

1.4.2007-31.3.2012

Center for Functional and Metabolic Mapping

(PI Ravi S Menon)

Role: Co-Investigator

CIHR (Canadian Institutes of Health Research)	\$710,600 over 5 years
Operating Grant	\$142,000 per annum

1.4.2006-31.3.2011

Role of frontal projections to the superior colliculus in saccade suppression and task switching in primates

Role: PI

NSERC	\$76,600
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Research tools and Instrumentation

1.3.2010-31.3.2011

A recording system for ERPs in nonhuman primates

Role: PI

CIHR (Canadian Institutes of Health Research)	\$1,870,770 over 5 years
Group grant	\$374,154 per annum

1.10.2004-30.9.2009

Neural transformations for perception and action

(PI M Goodale)

Role: Co-PI

NIH (National Institutes of Health, USA)	US \$375,000 over 5 yrs
1.9.2003-31.8.2008	US \$75,000 per annum

High resolution functional MRI of columnar structures

Role: Co-Investigator (PI Ravi S Menon)

CIHR (Canadian Institutes of Health Research)	\$571,025 over 5 years
Operating grant	\$114,205 per annum

1.9.2003-31.8.2008

Biophysical basis of functional magnetic resonance Imaging

Role: Co-Investigator (PI Ravi S Menon)

CIHR (Canadian Institutes of Health Research)	\$276,600 over 3 years
Operating Grant	\$92,200 per annum

1.4.2005-31.3.2008

Functional organization of the primate prefrontal cortex investigated with functional magnetic resonance imaging

Role: PI

CIHR (Canadian Institutes of Health Research) Multi-user maintenance grant 31.3.2001-1.4.2007 <i>Laboratory for functional magnetic resonance research</i> <i>John P. Robarts Research Institute (London, Ont.)</i> (PI Ravi S Menon) Role: Co-Investigator	\$733,740 over 5 years \$146,748 per annum
PREA (Premier's Research Excellence Award) 1.6.2001-31.5.2006 <i>Role of prefrontal cortex in top-down control of visual attention</i> Role: PI	\$100,000 over 5 years \$20,000 per annum
CIHR (Canadian Institutes of Health Research) New Investigator Salary Award 1.4.2001-31.3.2006	\$250,000 over 5 years \$50,000 per annum
NIH (National Institutes of Health, USA) <i>Development of fMRI compatible reversible deactivation</i> Role: Co-PI (PI Steven Lomber, U of Dallas) 1.6.2004-31.5.2006	US \$200,000 over 2 yrs US \$100,000 per
CIHR (Canadian Institutes of Health Research) Operating Grant 1.4.2001-31.3.2006 <i>Role of prefrontal cortex in visual target selection</i> Role: PI	\$333,370 over 5 years \$66,674 per annum
The EJLB Foundation Scholar Research Program 1.1.2003—31.12.2005 <i>Neural correlates for response inhibition investigated with the anti-saccade task</i> Role: PI	\$300,000 over 3 years \$100,000 per annum
NARSAD (National Alliance for Research on Schizophrenia and Depression) Young Investigator Award 1.5.2003-30.4.2005 <i>Fronto-parietal interaction in the suppression of reflexive saccades relevant to schizophrenia</i> Role: PI	US \$60,000 over 2 yrs.
CFI (Canada Foundation for Innovation) New Opportunities Award 2001 <i>Multidisciplinary Approaches to Cognitive Neuroscience</i>	\$250,000
OIT (Ontario Innovation Trust)	\$250,000

2001 Matching funds for CFI New Opportunities Award	
ADF (Academic Development Fund UWO) 2001 <i>Functional magnetic imaging of the monkey brain</i> Role: PI	\$5,200
CAN (Cure Autism Now) Foundation Pilot Research Award 2000-2002 <i>A non-human primate model to study prefrontal cortex dysfunction in autism</i> Role: PI	US\$ 80,000 over 2 yrs.
NARSAD (National Alliance for Research on Schizophrenia and Depression) Young Investigator Award 2000-2002 <i>Neural basis for eye movement deficits in schizophrenia</i> Role: PI	US\$ 60,000 over 2 yrs.

PUBLICATIONS IN PEER REVIEWED JOURNALS

(Google Scholar: H-index 53, Citations 11699, i10-index 119; Since 2016: H-index 40, Citations 5378, i10-index 101) – my trainees are underlined

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137. Clery JC, Hori Y, Schaeffer DJ, Menon RS, **Everling S** (2021) Neural network of social interaction observation in marmosets, *Elife* 10:e65012
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135. Vijayraghavan S, **Everling S** (2021) Neuromodulation of persistent activity and working memory circuitry in primate prefrontal cortex by muscarinic receptors, 15:648624
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133. Schaeffer DJ, Liu C, Silva AC, **Everling S** (2021) Magnetic Resonance Imaging of Marmoset Monkeys. *The ILAR Journal* Feb 26;; ilaa029
132. Areshenkoff CN, Nashed JY, Hutchison RM, Hutchison M, Levy R, Cook DJ, Menon RS, **Everling S**, Gallivan JP (2021) Muting, not fragmentation, of functional brain networks under general anesthesia. *Neuroimage* 4: 117830

131. Sharma S, [Schaeffer DJ](#), Vinken K, **Everling S**, Nelissen K (2021) Intrinsic functional clustering of ventral premotor F5 in the macaque brain. *Neuroimage* 227: 117647
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125. [Hori Y](#), [Schaeffer DJ](#), Gilbert KM, [Hayrynen LK](#), Gati JS, Menon RS, **Everling S** (2020). Altered Resting-State Functional Connectivity Between Awake and Isoflurane Anesthetized Marmosets. *Cerebral Cortex* 30: 5943-5959
124. [Clery JC](#), [Schaeffer DJ](#), [Hori Y](#), Gilbert KM, [Hayrynen LK](#), Gati JS, Menon RS, **Everling S** (2020). Looming and receding visual networks in awake marmosets investigated with fMRI. *Neuroimage* 215: 116815
123. Standage D, Areshenkoff CN, Nashed JY, Hutchison RM , Hutchison M, Heinke D, Menon RS, **Everling S**, Gallivan JP (2020) Dynamic reconfiguration, fragmentation and integration of whole-brain modular structure across depths of unconsciousness. *Cerebral Cortex* 30: 5229-5241
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120. Adam R, Johnston KD, Menon RS, Everling S (2020) Functional reorganization during the recovery of contralesional target selection deficits after prefrontal cortex lesions in macaque monkeys. *Neuroimage* 207:116339
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118. Selvanayagam J, Johnston KD, Schaeffer DJ, Hayrynen L, Everling S (2019) Functional localization of the frontal eye fields in the common marmoset using microstimulation. *J Neurosci* 39(46):9197-9206
117. Ghahremani M, Johnston KD, Ma L, Hayrynen L, Everling S, (2019) Electrical microstimulation evokes saccades in posterior parietal cortex of common marmosets. *J Neurophys* 122(4):1765-1776
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115. Shen K, Bezgin G, Schirner M, Ritter P, **Everling S**, McIntosh AR (2019) A macaque connectome for large-scale network simulations in TheVirtualBrain. *Sci Data* 6: 123
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110. Johnston K, Ma L, Schaeffer L, Everling S (2019) Alpha-oscillations modulate preparatory activity in marmoset area 8Ad. *J Neurosci.* 39(10):1855-1866.
109. Gilbert KM, Schaeffer DJ, Gilbert KM, Gati JS, Klassen LM, Everling S, Menon RS (2019) Open-source hardware designs for MRI of mice, rats, and marmosets: integrated animal holders and radiofrequency coils. *J. Neurosci. Methods* 312: 65-72
108. Schaeffer DJ, Gilbert KM, Ghahremani M, Gati JS, Menon RS, Everling S (2019) Intrinsic functional clustering of anterior cingulate cortex in the common marmoset. *Neuroimage* 186:301-307

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105. Schaeffer DJ, Johnston KD, Gilbert KM, Gati JS, Menon RS, **Everling S** (2018) In vivo manganese tract tracing of frontal eye fields in rhesus macaques with ultra-high field MRI: comparison with DWI tractography. *Neuroimage* 181:211-218
104. Vijayraghavan S, Major AJ, **Everling S** (2018) Muscarinic M1 receptor overstimulation disrupts working memory activity for rules in primate prefrontal cortex. *Neuron* 98(6):1256-1268
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101. Johnston K, Barker K, Schaeffer L, Schaeffer D, **Everling S** (2018). Methods for chair restraint and training of the common marmoset on oculomotor tasks. *J. Neurophys*. 119(5):1636-1646
100. Major AJ, Vijayraghavan S, **Everling S** (2018) Cholinergic overstimulation attenuates rule selectivity in macaque prefrontal cortex. *J. Neurosci*. 38 (5): 1137-1150
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89. Gilbert KM, Gati JS, Barker K, **Everling S**, Menon RS (2016) Optimized parallel transmit and receive radiofrequency coil for ultrahigh-field MRI of monkeys. *Neuroimage* 125:153-161
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84. Ma L, Skoblenick KS, Seamans JK, **Everling S** (2015). Ketamine-induced changes in the signal and noise of rule representation in working memory by lateral prefrontal neurons. *J. Neurosci.* 35: 11612-11622
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47. Womelsdorf T, Johnston K, Vinck M, **Everling S** (2010) Theta-activity in anterior cingulate cortex predicts task rules and their adjustments following errors. *Proceedings of the National Academy of Sciences (USA)* 107: 5248-5253
46. Womelsdorf T, Vinck M, Leung S, **Everling S** (2010) Selective theta-synchronization of choice relevant information subserves goal-directed behavior. *Frontiers in Human Neuroscience.* 4:210
45. Sander V, Soper B, **Everling S** (2010) Nonhuman primate event-related potentials associated with pro- and anti-saccades. *NeuroImage* 49: 1650-1658
44. Ford KS, **Everling S** (2009) Neural activity in primate caudate nucleus associated with pro- and anti-saccades. *J. Neurophysiol.* 102: 2334-2341
43. Johnston K, DeSouza JX, **Everling S** (2009) Monkey prefrontal cortical pyramidal and putative interneurons exhibit differential patterns of activity between pro- and anti-saccade tasks. *J. Neurosci.* 29: 5516-5524
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41. Ford KA, Gati JS, Menon RS, **Everling S** (2009) BOLD fMRI activation for anti-saccades in nonhuman primates. *NeuroImage* 45: 470-476
40. Field CB, Johnston K, Gati JS, Menon RS, **Everling S** (2008) Connectivity of the primate superior colliculus mapped by concurrent microstimulation and fMRI. *PLOS One.* 3(2): e3982
39. Johnston K, **Everling S** (2008) Neurophysiology and neuroanatomy of reflexive and voluntary saccades in non-human primates. *Brain and Cognition* 68: 271-283.
38. Wegener S, Johnston K, **Everling S** (2008) Microstimulation of monkey dorsolateral prefrontal cortex impairs antisaccade performance. *Exp. Brain Res.* 190: 463-473
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33. Brown MRG, Goltz HG, Ford KA, Vilis T, **Everling S** (2006) Inhibition and generation of saccades: Rapid event-related fMRI of prosaccades, antisaccades, and nogo trials. *NeuroImage*, 33: 644-659.

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30. Koval MJ, Thomas BS, **Everling S** (2005) Task-dependent effects of social attention on saccadic reaction times. *Exp. Brain Res.* 167: 475-480.
29. **Everling S**, DeSouza, JFX (2005) Rule-dependent activity for prosaccades and antisaccades in the primate prefrontal cortex. *J. Cogn. Neurosci.* 17: 1483-1496.
28. Ford KA, Goltz HG, Brown MRG, **Everling S** (2005) Neural processes associated with anti-saccade task performance investigated with event-related fMRI. *J. Neurophysiol.* 94: 429-440
27. Koval MJ, Ford KA, **Everling S** (2004) Effect of stimulus probability on anti-saccade error rates. *Exp. Brain Res.* 159:268-272
26. Munoz DP, **Everling S** (2004) Look away: The anti-saccade task and the voluntary control of eye movement. *Nature Reviews Neuroscience* 5: 218-228
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24. DeSouza JFX, **Everling S** (2004) Focused attention modulates visual responses in the primate prefrontal cortex. *J. Neurophysiol.* 91: 855-862
23. Khan SA, Ford K, Timney B, **Everling S** (2003) Effects of ethanol on anti-saccade task performance. *Exp. Brain Res.* 150: 68-74
22. DeSouza JFX, Menon RS, **Everling S** (2003) Preparatory set associated with pro-saccades and anti-saccades in humans investigated with event-related FMRI. *J. Neurophysiol.* 89:1016-23
21. Tinsley CJ, **Everling S** (2002) Contribution of the prefrontal cortex to the gap effect. *Prog. Brain Res.* 140: 61-72.
20. Dorris MC, Klein RM, **Everling S**, Munoz DP (2002) Contribution of the monkey superior colliculus to inhibition of return. *J. Cogn. Neurosci.* 14: 1256-1263.
19. Gribble PL, **Everling S**, Ford K, Mattar A (2002) Hand-eye coordination for rapid pointing movements: Arm movement direction and distance are specified prior to saccade onset. *Exp. Brain Res.* 145: 372-82.
18. **Everling S**, Tinsley CJ, Gaffan D, Duncan J (2002) Filtering of neural signals by focused attention in monkey prefrontal cortex. *Nature Neuroscience* 5: 671-676
17. Matthews A, Flohr H, **Everling S** (2002) Cortical activation associated with mid-trial change of instruction in a saccade task. *Exp. Brain Res.* 143: 488-498
16. **Everling S**, Matthews A, Flohr H (2001) Prestimulus cortical potentials predict the performance in a saccadic distractor paradigm. *Clin. Neurophysiol.* 112: 1088-1095.

15. Munoz DP, Dorris MC, Paré M, **Everling S** (2000) On your mark, get set: brainstem circuitry underlying saccadic initiation. *Can. J. Physiol. Pharmacol.* 78: 934-944.
14. Bell AH, **Everling S**, Munoz DP (2000) The influence of stimulus eccentricity and direction on characteristics of pro- and anti-saccades in non-human primates. *J. Neurophysiol.* 84: 2595-2604
13. **Everling S**, Munoz DP (2000) Neuronal correlates for preparatory set associated with pro-saccades and anti-saccades in the primate frontal eye field. *J. Neurosci.* 20: 387-400
12. Spantekow A, Krappmann P, **Everling S**, Flohr H (1999) Event-related potentials and saccadic reaction times: Effects of fixation point offset or change. *Exp. Brain Res.* 127: 291-297
11. **Everling S**, Dorris MC, Klein RM, Munoz DP (1999) Role of primate superior colliculus in preparation and execution of anti-saccades and pro-saccades. *J. Neurosci.* 19: 2740-2754
10. Krappmann P, **Everling S**, Flohr H (1998) Accuracy of visually and memory-guided antisaccades in man. *Vision Res.* 38: 2979-2985.
9. Krappmann P, **Everling S** (1998) Spatial accuracy and secondary memory-guided saccades in schizophrenic patients. *Schizophr. Res.* 30: 183-185
8. **Everling S**, Dorris MC, Munoz DP (1998) Reflex suppression in the anti-saccade task is dependent on prestimulus neural processes. *J. Neurophysiol.* 80: 1584-1589
7. **Everling S**, Fischer B (1998) The antisaccade: A review of basic research and clinical studies. *Neuropsychologia* 36: 885-899
6. **Everling S**, Paré M, Dorris MC, Munoz DP (1998) Comparison of the discharge characteristics of brain stem omnipause neurons and superior colliculus fixation neurons in monkey: Implications for control of fixation and saccade behavior. *J. Neurophysiol.* 79: 511-528
5. **Everling S**, Spantekow A, Krappmann P, Flohr H (1998) Event-related potentials associated with correct and incorrect responses in a cued antisaccade task. *Exp. Brain Res.* 118: 27-34
4. **Everling S**, Krappmann P, Spantekow A, Flohr H (1997) Influence of pre-target cortical potentials on saccadic reaction times. *Exp. Brain Res.* 115: 479-484
3. **Everling S**, Krappmann P, Flohr H (1997) Cortical potentials preceding pro- and anti-saccades in man. *Electroencephalogr. Clin. Neurophysiol.* 102: 356-362
2. **Everling S**, Krappmann P, Spantekow A, Flohr H (1996) Cortical potentials during the gap prior to express and fast regular saccades. *Exp. Brain Res.* 111: 139-143
1. **Everling S**, Krappmann P, Preuss S, Brand A, Flohr H (1996) Hypometric primary saccades of schizophrenics in a delayed response task. *Exp. Brain Res.* 111: 289-295

INVITED COMMENTARIES:

Everling S (2007) Where do I look? From attention to action in the frontal eye field. *Neuron* 56: 418-419

BOOK

Liversedge S, Glichrist ID, **Everling S (eds.)** (2011) The Oxford Handbook of Eye Movements. Oxford University Press, Oxford, UK

BOOK CHAPTERS

Everling S, Dorris MC, Munoz DP (1999) Neuronal activity in monkey superior colliculus during an anti-saccade task. In: W Becker, H Deubel, T Mergner (eds.), Current oculomotor research: Physiological and psychological aspects. New York: Plenum, 17-25

Spantekow A, Krappmann P, **Everling S**, Flohr H (1999) Effects of warning signals on saccadic reaction times and event-related potentials. In: W Becker, H Deubel, T Mergner (eds.), Current oculomotor research: Physiological and psychological aspects. New York: Plenum, 85-87

Ford KA, **Everling S** (2007) Anti-saccade task performance is dependent upon BOLD activation prior to stimulus presentation: An fMRI study in human subjects. In: PG Van Gompel, MH Fischer, WS Murray, RL Hill (eds.), Eye Movements: A window on mind and brain. Oxford: Elsevier.

Johnston K, **Everling S** (2011) Frontal cortex and flexible saccade control. In: The Oxford Handbook of Eye Movements (Liversedge S, Gilchrist ID, **Everling S** (eds). Oxford University Press.

Johnston K, **Everling S** (2011) An approach to understanding the neural circuitry of saccade control in the cerebral cortex using antidromic identification in the awake behaving macaque monkey model. In: Contemporary animal models of movement disorders (Dunnell S, Lane E). Springer Humana Press

Johnston K, **Everling S** (2019) Eye Movements in Primates—An Experimental Approach. In: C Klein, U Ettinger (eds). Eye Movement Research. An Introduction to its Scientific Foundations and Applications. Springer, 593-631

OTHER PUBLICATIONS

Everling S (1984) War Games. In W Breuer, W Czerny (eds.) 21 LISTige Programme für den TI 99/4A. Haar bei München: Markt & Technik. ISBN 3-89090-065-8

Everling S (1996) Sakkadische Augenbewegungen in verzögerten okulomotorischen Antwortaufgaben bei Schizophrenen und Gesunden. Shaker Verlag ISBN 978-3826511387

INVITED PRESENTATIONS

1997

Neuroscience Seminar, Bremen, Germany
KOGNET seminar, Bochum, Germany

1999

Wednesday Seminar, MRC CBU, Cambridge, England
KOGNET winter-school, Bochum, Germany
Psychology Seminars Series, Bangor, Wales
Neuroscience Seminar Series, Tübingen, Germany

2000

Neuroscience Seminar, Bremen, Germany
European Diploma in Cognitive and Brain Sciences, Delmenhorst, Germany, Senior Lecturer
Psychology Seminar, Edmonton, Canada

2001

Neuropsychiatry Seminar, London Health Science Centre, Canada

2002

Neural Control of Movement Meeting, Naples, Florida

2003

12th European Conference on Eye Movements, Dundee, Scotland

2004

Department of Neuroscience Seminar, University of Pittsburgh, USA

Neural Control of Movement Meeting, Sitges, Spain

MIT, Department of Brain and Cognitive Sciences, USA

The EJLB Symposium, North Hatley, Quebec, Canada

2005

“Look away. Using the antisaccade task to study voluntary control of movement”, Human Brain Mapping Meeting, LOC Symposium, Toronto, Canada

“Look away! Role of prefrontal cortex in antisaccade performance”, Neuroscience Seminar, University of Bremen, Germany

“Look away! Neural correlates for suppression of the visual grasp reflex in the antisaccade task”, European Behavioural and Brain Sciences Meeting, Dublin, Ireland

“Activity of antidromically identified corticotectal cells in the primate prefrontal cortex for pro- and anti-saccades”, Executive Frontal Lobe Function, Tübingen, Germany

2006

“Monkey fMRI: The crucial link between human fMRI and monkey electrophysiology”, Imaging Network of Ontario Symposium, Toronto, Canada

“The antisaccade task: A tool to study the voluntary control of eye movements”, Department of Vision Sciences, University of Birmingham, USA

“Functional imaging of the saccadic eye movement system in monkeys”, Frontiers in functional imaging symposium, University of Birmingham, USA

“Neural activity in primate prefrontal cortex and anterior cingulate associated with the performance of pro- and anti-saccades”, Psychophysiology Symposium, Vancouver, Canada

“Monkey fMRI and single unit recordings in PFC and ACC in an anti-saccade task”, Bodian Seminar, The Zanvyl Krieger Mind/Brain Institute, John Hopkins University, USA

“Guck weg! Aktivität im präfrontalen Cortex während des Antisakkadentests (Look away! Neural activity in prefrontal cortex during the antisaccade task”, German Primate Center, Göttingen, Germany

2007

“The role of frontal cortex in the anti-saccade task”, Physiology Seminar Series, Queen’s University, Canada

“Top-down processes for antisaccade generation”, Theoretical/Systems Neurobiology Seminar, Yale University, USA

“Monkey fMRI and single unit recordings in prefrontal cortex and anterior cingulate cortex in an antisaccade task”, 1st Canadian Association for Neuroscience Meeting, Toronto, Canada

“Contribution of the dorsolateral prefrontal cortex to antisaccade task performance”, European Conference on Eye Movements, Potsdam, Germany

“Neural correlates for response inhibition”, The EJLB Symposium, North Hatley, Quebec, Canada

2008

“Top-down control investigated with the anti-saccade task”, Nijmegen Institute for Cognition and Information Seminar, Netherlands

2009

“Role of prefrontal and anterior cingulate cortex in the control of saccadic responses”, German Neuroscience Conference, Göttingen, Germany

“Event-related potentials associated with pro- and anti-saccades in nonhuman primates”, European Conference on Eye Movements, South Hampton, UK

“Look away! Role of prefrontal cortex in anti-saccade generation”, New Perspectives on Neural Mechanisms of Cognition and Action, Tamagawa University, Tokyo, Japan

“Role of principal sulcus in memory-guided saccades and anti-saccades”, Okazaki International mini-symposium: Neural control of eye and hand movement, National Institute for Physiological Sciences, Okazaki, Japan

“Look away! Role of prefrontal cortex in anti-saccade generation”, Lab seminar hosted by Kenji Kawano, Department of Integrative Brain Science, Kyoto University, Japan

“Effects of prefrontal and anterior cingulate cortex inactivations on saccadic eye movements”, Seminar, Department of Physiology, Hokkaido University School of Medicine, Japan

2010

“Functional imaging of pro- and anti-saccades in human and non-human primates”, Functional Imaging Seminar Series, Imaging Interest Group, MRC Cognition and Brain Sciences Unit, Cambridge, UK

“Top-down control investigated with the anti-saccade task”, Departmental Seminars Hilary Term 2010, Department of Experimental Psychology, Oxford University, UK

“Effects of PFC or ACC cooling on pro- and anti-saccades”, Workshop on the Computational Properties of Prefrontal Cortex, Whistler, BC

“Principal sulcus inactivation by cortical cooling impairs response suppression in the anti-saccade task”. Translational Aspects of Stopping – Workshop 2010, University of California, San Diego

2011

“Neuronal mechanisms for control of the superior colliculus by the prefrontal cortex”, 4th annual meeting in Primate Neurobiology, German Primate Center, Göttingen, Germany

“Neural control of the superior colliculus by the prefrontal cortex”, Department of Neuroscience, University of Pittsburgh

“Prefrontal cortex deactivation in macaques alters activity in the superior colliculus and impairs control of saccades”, European Conference on Eye Movements 2011, Marseille, France

“Top-down control of the superior colliculus by the prefrontal cortex”, Symposium: “Cortical and subcortical functions in complex behaviour: A symposium in honour of David Gaffan”, The Queen’s College, Oxford, UK

“Neural processes underlying rule-memory for saccades in the prefrontal cortex”, Oxford Autumn School, Oxford McDonnell Network for Cognitive Neuroscience, Oxford, UK

2012

“Functional connectivity of the frontal eye fields in humans and monkeys investigated with resting-state fMRI.” Neural Control of Movement Meeting, Venice, Italy.

“Principal sulcus deactivation impairs rule memory in nonhuman primate”, Canadian Association for Neuroscience Meeting 2012, Vancouver

“Neurophysiology and neuroanatomy of reflexive and voluntary saccades”, Neurophysics colloquium, University of Marburg, Germany

“Dorsolateral prefrontal cortex and saccade control”, ZiF Research Group – Opening Conference: Linking selection for visual perception, memory and action, Center for Interdisciplinary Research, Bielefeld, Germany

2013

“Dorsolateral prefrontal cortex and saccade control”, keynote speaker, Alpine Brain Imaging Meeting, Champéry, Switzerland (cancelled due to illness)

“In vivo mapping of the saccadic eye movement network in macaques and humans using resting-state fMRI”, Neuroscience Seminar Series, Vanderbilt Univ., USA

“Dorsolateral prefrontal cortex and saccade control”, Covance, Münster, Germany

“Control of the superior colliculus by the dorsolateral prefrontal cortex”, Primate Neurobiology meeting, Klaus-Peter Hoffmann retirement symposium, Göttingen, Germany

“Prefrontal cortex and saccade control”, Neuro-cognitive symposium, University of Bremen, Germany

“Control of the superior colliculus by the prefrontal cortex”, Ernst Strüngmann Lecture, Ernst Strüngmann Institute, Max Planck, Frankfurt, Germany

“Role of macaque lateral prefrontal cortex in working memory”, Mini-symposium on Working Memory and Attention, VU Amsterdam, The Netherlands

“Rule-memory for saccadic eye movement tasks in lateral prefrontal cortex”, Workshop “Task-driven control of thought and action by working memory: linking mind and brain”, Center for Interdisciplinary Research, Bielefeld, Germany (co-organizer of workshop)

“In vivo mapping of the saccadic eye movement network in macaques and humans using resting-state fMRI”, Flux Congress 2013, University of Pittsburgh, PA, USA

“Neurotransmitter Receptor for Visual Cognition in Primates”, Chair of SFN Mini-Symposium, San Diego, USA

“Monkey in the middle: Resting-state fMRI in nonhuman primates”, Functional imaging series, German Primate Center, Göttingen, Germany

2014

“Resting-state fMRI in macaques”, Primate Neurobiology Meeting, Tübingen, Germany

“Resting-state fMRI in nonhuman primates”, MiNDS Colloquium Talk, McMaster University, Hamilton, Canada

“Resting-state fMRI in monkeys”, Neuropsychiatry Seminar, Western University, London, Ontario, Canada

“Prefrontal cortex and saccade control”, European Summer School on Eye Movements, Freiburg, Germany

“Ketamine impairs action monitoring in the prefrontal cortex”, Workshop on the Computational Properties of Prefrontal Cortex, Whistler, BC

“Prefrontal cortex and saccade control”, Otto-Creutzfeld Colloquium, Münster, Germany

2015

“Resting-state functional connectivity changes after an ischemic frontal cortex stroke in a macaque”, Primate Neurobiology Meeting, Göttingen, Germany

“Resting-state fMRI in monkeys: Neural correlates and alterations following focal stroke”, The University of Georgia Bioimaging Research Center Colloquium, Athens, Georgia

“Resting-state fMRI in monkeys: Neural correlates and alterations following focal stroke”, National Physiological Institute, Okazaki Japan

“Macaque FEF Investigated with Resting-State fMRI”, Gordon Conference Eye Movements: Integrating Perception and Action for Optimal Vision, Bentley University, Waltham, MA

“Monkey in the middle: Resting-state fMRI in nonhuman primates”, University of Bremen, Bernstein seminar, Bremen, Germany

2016

“Monkey in the middle: Resting-state fMRI in macaques and marmosets”, Institute of Neuroscience, Shanghai, China

“In vivo mapping of the saccadic eye movement network in macaques and marmosets using resting-state fMRI”, Cortex conference, Lyon, France

“In vivo mapping of the saccadic eye movement network in macaques and marmosets using resting-state fMRI”, Institut de Neurosciences de la Timone, Marseille, France

2017

“The common marmoset as an additional primate model for functional imaging and oculomotor physiology”, Primate Neurobiology Meeting, Göttingen, Germany

“The common marmoset as a primate model for functional imaging and cognitive neuroscience”, Mini-symposium, University of Pittsburgh and Carnegie Mellon University, US

2018

“Training of marmoset monkeys on oculomotor tasks”, 7th meeting of the Japan Society for Marmoset Research, Kyoto, Japan

“Marmosets as a primate model for the frontoparietal saccade network”, Riken, Japan

“Functional subregions of the marmoset cingulate cortex identified by high-field resting-state fMRI”, Mini-workshop Medial Prefrontal Cortex, Bordeaux, France

2019

“Identification of the marmoset frontal eye fields”, Primate Neurobiology meeting, Göttingen, Germany

“The common marmoset as an additional primate model for functional imaging oculomotor physiology”, IRTG-CRC-Symposium *Vision for action and beyond*, Marburg, Germany

“Organization of cortical saccade-related brain areas in marmosets”, The Kyoto Symposium on the Eye and Head Movement Control Systems Pre-NCM (2019), Kyoto, Japan

“Functional localization of the Frontal Eye Field in the Common Marmoset (*Callithrix jacchus*)”, Department of Psychology, Vanderbilt University, USA

2020

“Functional networks for social cognition in the common marmoset”, 9th meeting of the Japan Society for Marmoset Research, Maiko Villa, Japan

2021

“The common marmoset as an additional nonhuman primate model for cognitive neuroscience”, Neuron-ex Prefrontal Cortex seminar

“Using Neuropixel probes for electrophysiology in marmosets”, NIH marmoset working group imaging

ABSTRACTS

1. **Everling S**, Ott D, Holtermann P, Flohr H (1992) Scanning laser ophthalmoscopy: a new tool for studying eye movements via direct retinal stimulation and fundus monitoring. In N Elsner and DW Richter (eds.), Rhythmogenesis in neurones and networks. (p. 746). Stuttgart: Thieme.
2. **Everling S**, Flohr H (1993) Correction saccades in memory-guided saccades. In N Elsner and M Heisenberg (eds.), Gene, Brain, Behavior. (p. 860). Stuttgart: Thieme.
3. **Everling S**, Krappmann P, Flohr H (1993) Direct registration of retina movements by a specially adapted scanning laser ophthalmoscope. 7th European Conference on Eye Movements, Durham, UK.
4. **Everling S**, Krappmann P, Flohr H (1994) Direkte Messung von Retina-Bewegungen mit einem erweiterten Scanning Laser Ophthalmoskop. In K Pawlik (ed.), 39. Kongreß der Deutschen Gesellschaft für Psychologie (p. 151). Hamburg: Universität Hamburg.
5. **Everling S**, Krappmann P, Flohr H (1994) Spatial planning of memory-guided corrective saccades in man. Eur J Neurosc 7 (Suppl): 225.
6. Krappmann P, **Everling S**, Flohr H (1994) Reaction times of initial and correction saccades to remembered targets. In N Elsner and H Breer (eds.), Sensory transduction (p. 809). Stuttgart: Thieme.
7. Krappmann P, **Everling S**, Brand A, Preuss S, Flohr H (1994) Increased saccadic distractibility in schizophrenia. Eur. J. Neurosci. 7 (Suppl): 131.
8. Krappmann P, **Everling S**, Brand A, Preuss S, Flohr H (1994) Decision making in schizophrenic patients: Difficulties in suppressing the visual grasp reflex in a delayed response task. Conference "Neurobiology of Decision-Making", Paris, France.

9. **Everling S**, Krappmann P, Brand A, Preuss S, Flohr H (1995) Eye fixation instability in schizophrenic patients. In N Elsner and R Menzel (eds.), Learning and memory (p. 876). Stuttgart: Thieme.
10. **Everling S**, Krappmann P, Brand A, Preuss S, Flohr H (1995) Defective control of interference in schizophrenic patients. 8th European Conference on Eye Movements, Derby, UK.
11. Krappmann P, **Everling S**, Flohr H (1995) Influence of visual feedback on corrective saccades. In N Elsner and R Menzel (eds.), Learning and memory (p. 877). Stuttgart: Thieme.
12. Krappmann P, **Everling S**, Flohr H (1995) Spatial memory and the accuracy of corrective saccades in man. 8th European Conference on Eye Movements, Derby, UK.
13. Krappmann P, **Everling S**, Brand A, Preuss S, Flohr H (1995) Remembered saccades in schizophrenic patients: Evidence against deficits in storing visual-spatial information. Eur J Neurosci 8 (Suppl): 95.
14. **Everling S**, Krappmann P, Spantekow A, Flohr H (1996) Presaccadic cortical potentials in a pro-saccade and an antisaccade task. In N Elsner and HI Schnitzler (eds.), Göttingen Neurobiology Report 1996 (p. 773). Stuttgart: Thieme.
15. **Everling S**, Krappmann P, Flohr H (1996) Prämotorische Potentiale im Antisakkadentest. Posterpresentation at the Conference "Sensomotorik der Orientierung", Leipzig, Germany.
16. Krappmann P, **Everling S**, Flohr H (1996) The accuracy of visually and memory-guided antisaccades in man. In N Elsner and HI Schnitzler (eds.), Göttingen Neurobiology Report 1996 (p. 773). Stuttgart: Thieme.
17. Krappmann P, **Everling S**, Flohr H (1996) Amplituden- und Richtungsgenauigkeit von sakkadischen Augenbewegungen. Conference "Sensomotorik der Orientierung", Leipzig, Germany.
18. **Everling S**, Paré M, Dorris M C, Munoz D P (1997) Visual fixation and motor preparation signals related to saccadic reaction times in monkey. II. Paramedian pontine reticular formation. Can. J. Physiol. Pharmacol. 75: Aviii
19. **Everling S**, Dorris MC, Munoz DP (1997) Neuronal activity in monkey superior colliculus during an antisaccade task. 9th European Conference of Eye Movements, Ulm, Germany.
20. **Everling S**, Paré M, Dorris MC, Munoz DP (1997) Comparison of activity of superior colliculus fixation neurons and brainstem omnipause neurons in the gap saccade task. Soc. Neurosci. Abstr. 23: 510.7
21. Krappmann P, **Everling S**, Spannhuth C, Spantekow A, Flohr H (1997) Electrophysiologic correlates of the gap effect in human subjects: Event-related potentials in an oculomotor gap and anti-gap paradigm. Soc. Neurosci. Abstr. 23: 185.3
22. Spantekow A, Krappmann P, **Everling S**, Flohr H (1997) Event-related potentials in an oculomotor gap-/overlap-task. In N Elsner and H Wässle (eds.), Goettingen Neurobiology Report 1997 (p. 1004). Stuttgart: Thieme.
23. Spantekow A, Krappmann P, **Everling S**, Flohr H (1997) Effects of warning signals on saccadic reaction times and event-related potentials. 9th European Conference of Eye Movements, Ulm, Germany.

24. **Everling S**, Dorris MC, Klein RM, Munoz DP (1998) Neural activity in monkey superior colliculus predicts performance in an antisaccade task. *J. Cogn. Neuroscience (Suppl)* 44
25. **Everling S**, Dorris MC, Klein RM, Munoz DP (1998) Superior colliculus neuronal activity in monkeys during pro- and anti-saccades. *Soc. Neurosci. Abstr.* 24: 163.1
26. Dorris MC, **Everling S**, Klein RM, Munoz DP (1998) Neural correlate of inhibition of return (IOR): Visual and motor preparatory signals in the monkey superior colliculus (SC). *Soc. Neurosci. Abstr.* 24: 163.2
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