STEFAN EVERLING
Curriculum Vitae

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

Robarts Research Institute
1151 Richmond Street North
London, Ontario
N6A 5B7

Telephone: 519-663-5777 x 24359
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Email: severlin@uwo.ca
Webpage: www.everling-lab.org

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

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, University of Western Ontario
2016:	Dean's 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:

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"
7/2011 - :	Full Professor (tenured) Department of Physiology and Pharmacology, The University of Western Ontario, London, Canada
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
2015-	
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 Neurophysiology 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", 2014-2018

Oxford University, UK

Memberships:
American Physiological Society
Canadian Action and Perception Network (CAPnet)
Society for Neuroscience
Society for the Neural Control of Movement

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
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)
Medical Research Council UK
Natural Science and Engineering Research Council Canada

National Institutes of Health (USA) (2008)
Wellcome Trust, Strategic Grants (2013)
Ontario Problem Gambling (2011-)

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-), 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)
Animal Facility Infrastructure Working Group (2016-)
Brain and Mind Steering Committee (2016-)

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)

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)
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 (2015-2016)

Others
CIHR New Investigator Awards Committee (2006-2008)
CIHR Behavioural Sciences C Committee (2005, 2008, 2009-2013, 2017)
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)
BrainsCAN, Nonhuman Primate Core, Chair (2016-)

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	
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-	OGS OGSST, Alzheimer's Foundation, CIHR	
Jason Chan	Neuroscience, Ph.D.	9.2012-	CIHR	

Sahand Babapoor-Farrokhran	Neuroscience, Ph.D.	1.2011-	OGS	
Ramina Adam	Neuroscience, M.Sc.	9.2014-	NSERC OGSST, OGS	
Maryam Ghahremani	Neuroscience, Ph.D.	1.2015-	OGS	
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 Director of the Experimental Neurobiology Group, National Institute of Mental Health, Czech Republic
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-		
Dr. Liya Ma	Postdoctoral Fellow	1.1.2014-	CIHR PDF	
Dr. David Schaeffer	Postdoctoral Fellow	1.8.2016-	BMI PDF	

Nicole Hague	Veterinary Assistant	1.1.2013-		
Lauren Schaeffer	Research Assistant	1.9.2016-		

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
Andew 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 M.Sc.	2009-	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-	Supervisor Dr. Martinez
Kayla Ryan	Medical Biophysics, Ph.D.	2014-	Supervisor Dr. Bartha

Kathryn Manning	Medical Biophysics, Ph.D.	2015-	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. Hoshooley	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 Examiner
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 University	4.5.2016	Supervisor Dr. Crawford, York Univ.	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, PhD.	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:

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

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

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

GRANTS:

Current Grants

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

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

Canada First Research Excellence Fund (CFREF) — $66,000,000 over 7 years
1.10.2016-30.9.2023
BrainsCAN: Brain Health for Life
Role: PI (+9 additional PIs)

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

Previous Grants

NSERC (Natural Science and Engineering — $235,000 over 5 years

Research Council) $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 Research) $855,800 over 5 years
$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 Research) $836,635 over 5 years
$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 Research Council) $117,435 over 5 years
Discovery Grant $23,487 per annum
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
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 $571,025 over 5 years
Research) $114,205 per annum
Operating grant
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 $276,600 over 3 years
Research) $92,200 per annum
Operating Grant
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 $733,740 over 5 years
Research) $146,748 per annum
Multi-user maintenance grant
31.3.2001-1.4.2007
Laboratory for functional magnetic resonance research
John P. Robarts Research Institute (London, Ont.)
(PI Ravi S Menon)
Role: Co-Investigator

PREA (Premier's Research Excellence Award) $100,000 over 5 years
1.6.2001-31.5.2006 $20,000 per annum
Role of prefrontal cortex in top-down control of visual attention
Role: PI

CIHR (Canadian Institutes of Health $250,000 over 5 years
Research) $50,000 per annum
New Investigator Salary Award
1.4.2001-31.3.2006

NIH (National Institutes of Health, USA) US $200,000 over 2 yrs
Development of fMRI compatible reversible deactivation US $100,000 per
Role: Co-PI (PI Steven Lomber, U of Dallas)
1.6.2004-31.5.2006

CIHR (Canadian Institutes of Health $333,370 over 5 years
Research) $66,674 per annum

Operating Grant
1.4.2001-31.3.2006
Role of prefrontal cortex in visual target selection
Role: PI

The EJLB Foundation — $300,000 over 3 years
Scholar Research Program — $100,000 per annum
1.1.2003—31.12.2005
Neural correlates for response inhibition investigated with the anti-saccade task
Role: PI

NARSAD (National Alliance for Research on Schizophrenia and Depression) — US $60,000 over 2 yrs.
Young Investigator Award
1.5.2003-30.4.2005
Fronto-parietal interaction in the suppression of reflexive saccades relevant to schizophrenia
Role: PI

CFI (Canada Foundation for Innovation) — $250,000
New Opportunities Award
2001
Multidisciplinary Approaches to Cognitive Neuroscience

OIT (Ontario Innovation Trust) — $250,000
2001
Matching funds for
CFI New Opportunities Award

ADF (Academic Development Fund UWO) — $5,200
2001
Functional magnetic imaging of the monkey brain
Role: PI

CAN (Cure Autism Now) Foundation — US$ 80,000 over 2 yrs.
Pilot Research Award
2000-2002
A non-human primate model to study prefrontal cortex dysfunction in autism
Role: PI

NARSAD (National Alliance for Research on Schizophrenia and Depression) — US$ 60,000 over 2 yrs.
Young Investigator Award
2000-2002
Neural basis for eye movement deficits in schizophrenia
Role: PI

PUBLICATIONS IN PEER REVIEWED JOURNALS
(Google Scholar: H-index 41, Citations 7323)

99. Vijayraghavan S, Major AJ, **Everling S** (2016) Neuromodulation of prefrontal cortex in non-human primates by dopaminergic receptors during rule-guided flexible behavior and cognitive control. Frontiers in Neural Circuits.

98. Chan JL, Koval MJ, Johnston K, **Everling S** (2017) Neural correlates for task switching in the macaque superior colliculus. J. Neurophys. 118(4):2156-2170

97. Schaeffer DJ, Adam R, Gilbert KM, Gati JS, Li A, Menon RS, **Everling S** (2017). Diffusion weighted tractography in the common marmoset monkey at 9.4T. J. Neurophys.118: 1344-1354

96. Gilbert KM, Gati, JS, Klassen LM, Zeman P, Schaeffer DJ, **Everling S**, Menon RS (2017). A geometrically adjustable receive array for imaging marmoset cohorts. Neuroimage 156: 78-86

95. Babapoor-Farrokhran S, Vinck M, Womelsdorf T, **Everling S** (2017) Theta and Beta synchrony coordinate frontal eye fields and anterior cingulate cortex during sensorimotor mapping. Nature Communications 8:13967

94. Goulas A, Stiers P, Hutchison RM, **Everling S**, Petrides M, Margulies DS (2017). Intrinsic functional architecture of the macaque dorsal and ventral lateral frontal cortex. J. Neurophysiol. 117(3):1084-1099

93. Ghahremani M, Hutchison RM, Menon RS**, Everling S** (2017) Frontoparietal functional connectivity in the common marmoset. Cerebral Cortex 27 (8): 3890-3905

92. Westendorff S, Kaping, D, **Everling S**, Womelsdorf T (2016) Prefrontal and Anterior Cingulate Cortex Neurons Encode Attentional Targets Even When They Do Not Apparently Bias Behavior. J. Neurophysiol. 116: 796-811

91. Vijayraghavan S, Major AJ, **Everling S** (2016) Dopamine D1 and D2 receptors make dissociable contributions to dorsolateral prefrontal cortical regulation of rule-guided oculomotor behavior. Cell Reports 16: 805-816

90. Johnston K, Lomber SG, **Everling S** (2016) Unilateral Deactivation of Macaque Dorsolateral Prefrontal Cortex Induces Biases in Stimulus Selection. J. Neurophysiol. 115:1468-1476

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

88. Balcarras M, Ardid S, Kaping D, **Everling S**, Womelsdorf T (2016). Attentional selection can be predicted by reinforcement learning of task-relevant stimulus features weighted by value-independent stickiness. J. Cogn. Neurosci. 28:333-349

87. Major AJ, Vijayraghavan S, **Everling S (**2015) Muscarinic attenuation of mnemonic rule representation in macaque dorsolateral prefrontal cortex during a pro- and anti-saccade

task. J. Neurosci. 35(49): 16064-16076

86. Womelsdorf T, **Everling S** (2015). Long-Range Attention Networks: Circuit Motifs Underlying Endogenously Controlled Stimulus Selection. Trends in Neurosciences. 38(11): 682-700

85. Oemisch M, Westendorff S, **Everling S**, Womelsdorf T (2015). Inter-areal Spike-Train Correlations of Anterior Cingulate and Dorsal Prefrontal Cortex during Attention Shifts. J. Neurosci. 35: 13076-13089

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

83. Schwiedrzig CM, Zarco W, **Everling S**, Freiwald W (2015). Face patch resting state networks link face processing to social cognition. PLOS Biology. 13(9): e1002245. doi:10.1371/journal.pbio.1002245

82. Voloh B, Valiante TA, **Everling S,** Womelsdorf T (2015) Theta Gamma Coordination between Anterior Cingulate and Prefrontal Cortex Indexes Correct Attention Shifts. Proceedings of the National Academy of Sciences (USA) 112:8457-8462

81. Skoblenick KS, Womelsdorf T, **Everling S** (2016) Ketamine alters outcome-related local field potentials in monkey prefrontal cortex. Cerebral Cortex 26: 2743-2752

80. Hutchison RM, Culham JC, Flanagan JR, **Everling S**, Gallivan R (2015) Functional subdivisions of medial parieto-occipital cortex in humans and nonhuman primates using resting-state fMRI. Neuroimage 116: 10-29

79. Shen K, Misic B, Cipollini BN, Bezgin G, Hutchison RM, Jaegii SM, Kross E, Peltier SJ, **Everling S**, Jonides J, McIntosh A, Berman MG (2015) Stable long-range interhemispheric coordination is supported by direct anatomical projections. Proceedings of the National Academy of Sciences (USA) 112: 6473-6478.

78. Hutchison RM, Hashemi N, Gati JS, Menon RS, **Everling S** (2015) Electrophysiological signatures of spontaneous BOLD fluctuations in macaque prefrontal cortex. Neuroimage 113:257-267

77. DeSimone J, **Everling S**, Heath M (2015) The Antisaccade Task: Visual Distractors Elicit a Location-Independent Planning 'Cost'. PLOS One 10(4):e0122345. doi: 10.1371/journal.pone.0122345

76. Shen K, Hutchison RM, Bezgin G, **Everling S**, McIntosh A (2015) Network structure shapes spontaneous functional connectivity dynamics. J. Neurosci. 35: 5579-5588.

75. Ardid S, Vinck M, Marquez S, **Everling S**, Womelsdorf T (2015) Mapping of functionally characterized cell classes onto canonical circuit operations in primate prefrontal cortex. J. Neurosci. 35(7): 2975-2991.

74. Womelsdorf T, Ardid S, **Everling S**, Valiante TA (2014) Burst Firing Synchronizes Prefrontal and Anterior Cingulate Cortex during Attentional Control. Current Biology 24(22):

2613-2621.

73. Hutchison RM, Hutchison M, Manning KY, Menon RS, **Everling S** (2014) Isoflurane induces dose-dependent alterations in the connectivity profiles and dynamic properties of the brain's functional architecture. Human Brain Imaging 35: 5754-5775

72. Chan JL, Koval MJ, Womelsdorf T, Lomber SG, **Everling S** (2015) Monkey dorsolateral prefrontal cortex deactivation reduces preparatory beta and gamma power in the superior colliculus. Cereb. Cortex 25: 4704-4714

71. Deco G, McIntosh AR, Shen K, Hutchison RM, Menon RS, **Everling S**, Hagmann P, Jirsa VK (2014) Identification of optimal structural connectivity using functional connectivity and neural modeling. J. Neurosci. 34: 7910-7916

70. Hussein S, Johnston K, Belbek B, Lomber SG, **Everling S** (2014) Functional specialization within macaque dorsolateral prefrontal cortex for the maintenance of task rules and cognitive control. J. Cogn. Neurosci. 26: 1918-1927

69. Shen C, Ardid S, Kaping D, Westendorff S, **Everling S**, Womelsdorf T (2015) Anterior Cingulate Cortex Cells Identify Process-Specific Errors of Attentional Control prior to transient Prefrontal-Cingulate Inhibition. Cereb. Cortex 25: 2213-2228

68. Phillips JM, **Everling S** (2014) Event-related potentials associated with performance monitoring and post-error adjustments in nonhuman primates. Neuroimage 97: 308-320.

67. Hutchison RM, Culham J, **Everling S**, Flanagan J, Gallivan J (2014) Distinct and distributed functional connectivity patterns across cortex reflect the domain-specific constraints of object, face, scene, body, and tool category-selective modules in the ventral visual pathway. Neuroimage 96: 216-236

66. Koval MJ, Hutchison RM, Lomber SG, **Everling S (**2014) Effects of unilateral deactivations of dorsolateral prefrontal cortex and anterior cingulate cortex on saccadic eye movements. J. Neurophysiol. 111:(4) 787-803

65. Skoblenick KS, **Everling S** (2014) N-methyl-D-aspartate receptor antagonist ketamine impairs action-monitoring activity in the prefrontal cortex. J. Cogn. Neurosci. 26:577-592

64. Johnston K, Koval MJ, Lomber SG, **Everling S** (2014) Macaque dorsolateral prefrontal cortex does not suppress saccade-related activity in the superior colliculus. Cereb Cortex 24: 1373-1388

63. Hutchison RM, **Everling S** (2013) Broad intrinsic functional connectivity boundaries of the macaque frontal cortex. Neuroimage. 88C:202-211

62. **Everling S**, Johnston K (2013) Control of the superior colliculus by the lateral prefrontal cortex. Phil Trans Royal Soc B 368(1628):20130068. doi: 10.1098/rstb.2013.0068.

61. Jantz JJ, Watanabe M, **Everling S**, Munoz DP (2013) Threshold mechanism for saccade initiation in the frontal eye field and superior colliculus. J. Neurophysiol.109: 2767-

2780

60. Babapoor-Farrokhran S, Hutchison RM, Gati JS, Menon RS, **Everling S** (2013) Functional connectivity patterns of medial and lateral macaque frontal eye fields reveal distinct visuomotor networks. J. Neurophysiol. 109: 2560-2570

59. Phillips JM, Vinck M, **Everling S**, Womelsdorf T (2013) A long-range fronto-parietal 5-10 Hz network predicts 'top-down' controlled guidance in a task-switch paradigm. Cereb Cortex doi: 10.1093/cercor/bht050

58. Phillips JM, **Everling S** (2012) Neural activity in the macaque putamen associated with saccades and behavioral outcome. PLoS ONE 7(12): e51596. doi:10.1371/journal.pone.0051596

57. Shen K, Bezgin G, Hutchison RM, Gati J, Menon RS, **Everling S**, McIntosh A (2012) Information processing architecture of functionally defined clusters in the macaque cortex. J. Neurosci. 32(48): 17465-76

56. Skoblenick KS, **Everling S** (2012) NMDA antagonist ketamine reduces task-selectivity in macaque dorsolateral prefrontal neurons and impairs performance of randomly interleaved pro- and anti-saccades. J. Neurosci. 32(35): 12018-12027

55. Hutchison RM, **Everling S** (2012) Monkey in the middle: Why nonhuman primates are needed to bridge the gap in resting-state investigations. Frontiers in Neuroanatomy 6:29. doi: 10.3389/fnana.2012.00029

54. Hutchison RM, Womelsdorf T, Gati JS, Leung LS, Menon RS, **Everling S** (2012) Resting-state connectivity identifies distinct functional networks in macaque cingulate cortex. Cerebral Cortex 22: 1294-1308 doi: 10.1093/cercor/bhr181

53. Hutchison RM, Gallivan JP, Culham JC, Gati JS, Menon RS, **Everling S** (2012) Functional connectivity of the frontal eye fields in humans and monkeys investigated with resting-state fMRI. J. Neurophysiol. 107: 2463-2474.

52. Hutchison RM, Womelsdorf T, Gati JS, **Everling S**, Menon RS (2012) Resting-state networks show dynamic functional connectivity in awake humans and anesthetized macaques. Human Brain Mapping 10.1002/hbm.22058.

51. Kaping D, Vinck M, **Everling S**, Womelsdorf T (2011) Specific contributions of ventromedial frontal, anterior cingulate and lateral prefrontal cortex for attentional selection and stimulus valuation. PLOS Biology Dec;9(12):e1001224

50. Koval MJ, Lomber SG, **Everling S** (2011) Prefrontal cortex deactivation in macaques alters activity in the superior colliculus and impairs voluntary control of saccades. J. Neurosci. 31: 8659-8668

49. Hutchison RM, Leung LS, Mirsattaril SM, Gati JS, Menon RS, **Everling S** (2011) Resting-state networks in the macaque at 7 T. Neuroimage 56: 1546-1555

48. Phillips JM, Johnston K, **Everling S** (2011) Effects of anterior cingulate microstimula-

tion on pro- and anti-saccades in nonhuman primates. J. Cogn. Neurosci. 23: 481-490

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 antisaccade tasks. J. Neurosci. 29: 5516-5524

42. Johnston K, **Everling S** (2009) Task-relevant output signals are sent from monkey dorsolateral prefrontal cortex to the superior colliculus during a visuospatial working memory task. J. Cogn. Neurosci. 21: 1023-1038

41. Ford KA, Gati JS, Menon RS, **Everling S** (2009) BOLD fMRI activation for antisaccades 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

37. Brown MRG, Vilis T, **Everling S** (2008) Isolation of saccade inhibition processes: rapid event-related fMRI of saccades and nogo trials. NeuroImage 39: 793-804.

36. Brown MRG, Vilis T, **Everling S** (2007) Frontoparietal activation with preparation for antisaccades. J Neurophysiol 98: 1751-1762

35. Johnston K, Levin H, Koval MJ, **Everling S** (2007) Top-down signal dynamics in anterior cingulate and prefrontal cortex neurons following task switching. Neuron 53: 453-462

34. Johnston K, **Everling S** (2006) Monkey prefrontal cortex sends task-selective signals directly to the superior colliculus. J Neurosci. 26: 12471-12478.

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.

32. Johnston K, **Everling S** (2006) Neural activity in monkey prefrontal cortex is modulated by task context and behavioural instruction during delayed-match-to-sample and conditional pro-saccade/anti-saccade tasks. J. Cogn. Neurosci. 18:749:765.

31. **Everling S**, Tinsley CJ, Gaffan D, Duncan J (2006) Selective representation of task-relevant objects and locations in the monkey prefrontal cortex. Eur. J. Neurosci. 23: 2197-2214.

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 anti-saccades 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

25. Brown MRG, DeSouza JFX, Goltz HC, Ford KA, Menon RS, Goodale MA, **Everling S** (2004) Comparison of memory- and visually-guided saccades using event-related fMRI. J. Neurophysiol. 91:873-889

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 fo-

cused 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 antisaccade 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 Gomple, 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

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 antidromcially identified corticotectal cells in the primate prefrontal cortex for pro- and anti-sacccades", 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

ABSTRACTS

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29. **Everling S**, Munoz DP (1999) Role of primate frontal eye field in preparation and execution of pro-saccades and anti-saccades. 10th European Conference of Eye Movements. Utrecht, Netherlands.

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32. Bell AH, **Everling S**, Munoz DP (1999) Comparison of pro- and anti-saccades in primates. I. Behavioural characteristics. Soc. Neurosci. Abstr. 29

33. **Everling S**, Munoz DP (1999) Comparison of pro- and anti-saccades in primates. II. Activity of corticotectal neurons in the frontal eye field. Soc. Neurosci. Abstr. 29

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