

Curriculum Vitae

Date Prepared: February 8th 2022
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Place of Birth: Lausanne, Switzerland
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Education

1985	Baccalaureat es Lettres		Gymnase Cantonal, Lausanne, Switzerland
1993	MD	Medicine (advisor: Prof. S Clarke, MD)	Lausanne Medical School, Lausanne, Switzerland
2010	PhD	Neuroscience (advisor: Prof. B. de Gelder, PhD)	Tilburg University, The Netherlands

Postdoctoral training

1993	Clinical Research Fellow	Neuropediatrics (Lab PI: Prof. T. Deonna)	Lausanne University Hospital
1993-95	Research Fellow	Anatomy and Physiology (lab PI: Prof. F. De Ribeaupierre)	Lausanne Medical School
1995-96	Research Fellow	Laboratory for Brain Research and Positron Emission Tomography, (lab PI: Prof. P. Roland)	Nobel Institute of Neurophysiology, Karolinska Institute, Sweden
1997-99	Research Fellow	Radiology (lab PI: Prof. R. Tootell)	NMR Center, Harvard Medical School

Faculty Academic Appointments

1999-2002	Instructor	Radiology	Harvard Medical School
2002-2005	Assistant Professor	Radiology	Harvard Medical School
2005-2014	Affiliated Faculty	MIT	Harvard –MIT division of Health Science and Technology
2006-2012	SNF Professor	Brain Mind Institute	Swiss Federal Institute of Technology
2013-2019	Visiting Professor	GNC	Gothenburg University, Sweden (non-voting)

2006-present	Associate Professor	Radiology	Harvard Medical School
2019-present	Professor	Experimental Child and Adolescent Psychiatry	Gothenburg University, Sweden

Appointment at Hospitals/Affiliated Institutions

1999-2016	Assistant in Medical Imaging	Radiology	Massachusetts General Hospital
2016-present	Associate Neuroscientist	Radiology	Massachusetts General Hospital

Major Administrative Leadership Positions

Local

2015-present	Director	Neurolimbic Research, Athinoula A. Martinos Center for Biomedical Imaging
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National and International

2006-2012	Director	Social Cognition Lab, Swiss Federal Institute of Technology
2007	Course Director	ADOS and ADI-R training course, Swiss Federal Institute of Technology
2011-2016	President	Vaincre l'autisme, International Scientific Committee
2011	Co-Founder	Neurochlore

Committee Service

Regional

2009	PhD Thesis Jury (K. Dominick)	Boston University
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National

2016	Pre-Lim Committee (Vivek Subramanian)	Duke University
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International

2009	PhD Thesis Jury (D. Bastard-Rosset)	University of Grenoble, France
2009	PhD Thesis Jury (M. Arminjon)	University Lyon 3, France
2009	PhD Thesis Jury (C Camen)	University of Lausanne, Switzerland
2009	PhD Thesis Jury (P. Vrticka)	University of Geneva, Switzerland

2009	PhD Thesis Jury (C. Destrieux)	University of Tours, France
2010	PhD Thesis Jury (F. Vasseur)	University of Grenoble, France
2010	PhD Thesis Jury (M. Boi)	Swiss Federal Institute of Technology Lausanne, Switzerland
2011	PhD Thesis Jury (T. Tadi)	Swiss Federal Institute of Technology Lausanne, Switzerland
2011	PhD Thesis Jury (B. Norris)	Swiss Federal Institute of Technology Lausanne, Switzerland
2012	HDR Thesis Jury (Christina Schmitz)	University of Lyon, France
2013	PhD Thesis Jury (Suzanne Robic)	University of Lyon, France
2013	HDR Thesis Jury (Marie Gomot)	University of Tours, France
2013	PhD Thesis Jury (Quentin Guillon)	University of Toulouse, France
2016	Organization committee for INSAR international leadership meeting	University of Rzeszów, Poland
2016	Scientific committee for the World Innovations Combining Medicine, Engineering and Technology in Autism Diagnosis and Therapy Conference	University of Rzeszów, Poland
2016	Scientific Board CERESA (Centre Régional, d'Education et de Services pour l'Autisme en Midi- Pyrénées)	Toulouse, France
2017	Organization Committee for ESSENCE conference	Gothenburg, Sweden
2017	Scientific Committee for Neurodevelopmental Disorders embraced in the clinical term ESSENCE – clinical practive and researsch	Rzeszów, Poland
2017	Scientific advisor for Art Exhibition “Dreams of __” for individuals with ASD	Stockholm, Sweden

Professional Societies

1996-	Society for Neuroscience	Regular Member
2006-	American Association for the Advancement of Science	Professional Member
2010-	International Society for Autism Research	Full Member
2008-	Asperger/Autism Network	Full Member
2008-	American Headache Society	Full Member
2010-	Autism Consortium	Full Member
2010-	Autisme Suisse Romande	Member of Scientific Committee
2011-2015	Association for Psychological Science	Member

2013-	Harvard Interdisciplinary Oxytocin Research Initiative	Full member
2014-	National Association of Professional Women	Full member
2015-	Healthy Weight Research Network/Children with Autism Spectrum Disorders	Associate Member
2017-2020	The New York Academy of Sciences	Full Member

Grant Review Activities

2002	National Institute of Neurological Disorders and Stroke	NIH Ad-hoc member
2002	ZRG1 BBBP-6, Child Psychopathology and Developmental Disorders	NIH Ad-hoc member
2003	National Eye Institute, VISB	NIH Ad-hoc member
2004	National Institute of Neurological Disorders and Stroke	NIH Ad-hoc member
2004	ZRG1 Integrative, Functional, and Cognitive Neuroscience IRG	NIH Ad-hoc member
2005	National Institute of Diabetes and Digestive and Kidney Diseases	NIH Ad-hoc member
2005	Swiss National Science Foundation	Reviewer
2006	ZMH1-BST-A(01) Bioengineering Sciences and Technologies	NIH Ad-hoc member
2007	ZRG Child Psychopathology and Developmental Disorders	NIH Ad-hoc member
2007	Swiss National Science Foundation	Reviewer
2009	ARRA: Child Psychopathology and Developmental Disorders	NIH Ad-hoc member
2009	BBBP-IRG, Child Psychopathology and Developmental Disorders	NIH Ad-hoc member
2008	AERES, Agence d'Evaluation de la Recherche et des Etablissements d'Enseignement Superieur	Reviewer
2009	MRC, Medical Research Council (UK)	Reviewer
2011	Research Council, KU Leuven, Belgium	Reviewer
2011	ZonMw, Netherlands Organisation for Health Research and Development	Reviewer
2011-	FWO, Research Foundation Flanders	Reviewer
2012	ANR JCJC - SHS 2, Agence Nationale de la Recherche France	Reviewer

2012	Child Development Fund, The Waterloo Foundation	Reviewer
2013	M. J. Murdock Charitable Trust Foundation	Reviewer
2014	German-Israeli Foundation for Scientific Research and Development	Reviewer
2014	ZonMw, Netherlands Organisation for Health Research and Development	Reviewer
2016	DBD: Developmental Brain Disorders	NIH Ad-hoc member
2017	Churchill College Fellowship	Reviewer
2017	Fonds National de la Recherche Scientifique (FNRS, France)	Reviewer
2017	10 ZRG1 CFS-N (80)	NIH Ad-hoc member
2017	Harvard Catalyst Data Ideation Challenge	Harvard Catalyst Ad-hoc member
2018	ZRG1 F02B	NIH Ad-hoc member
2018	DABP CIHB	NIH Ad-hoc member
2018	European College of Neuropsychopharmacology (ECNP) preclinical Data Network Prize	Reviewer
2018	Lundbeck Foundation	Reviewer
2019-	The European Science Foundation	Reviewer

Editorial Activities

Ad-hoc Reviewer

Acta Paediatrica
American Journal of Psychiatry
Annals of Neurology
Archives of General Psychiatry
Autism
Autism Research
Biological Psychiatry
Brain
Brain Connectivity
Brain Imaging and Behavior
Brain Research
Brain Topography
British Medical Journal
Cephalalgia
Cerebral Cortex
Cognitive Computation
Consciousness and Cognition
Cortex
Current Biology
Development and Psychopathology
Developmental Science
Emotion
European Journal of Neuroscience
European Review of Applied Psychology
Experimental Neurology
Headache
Human Brain Mapping
Journal of Autism and Developmental Disorders
Journal of Cognitive Neuroscience
Journal of Child Psychology and Psychiatry
Journal of Experimental Psychology
Journal of Nervous and Mental Disease
Journal of Neurodevelopmental Disorders
Journal of Neurophysiology

Journal of Neuroscience
Journal of Neuroradiology
Journal of Physiology
Journal of the International Neuropsychological Society
Magnetic Resonance in Medicine
Nature Clinical Practice Neurology
Nature Neuroscience
Neural Plasticity
NeuroImage
NeuroImage Clinical
Neurology
Neuron
Neuropsychologia
Neuropsychopharmacology
NeuroReport
Neuroscience
Neuroscience & Biobehavioral Reviews
Neuroscience Letters
Pain
Pediatrics
Proceedings of the National Academy of Science, USA
The Proceeding B of the Royal Society
PLoS ONE
Psychiatry and Clinical Neurosciences
Psychiatry Research
Psychopharmacology
Research in Autism Spectrum Disorders
Science
Science Advances
Scientific Reports
Social Cognitive Affective Neuroscience
Stroke
The American Journal of Psychiatry
The Journal of Headache and Pain
The Lancet Neurology
Trends in Cognitive Sciences

Trends in Neurosciences
Vision Research
Visual Neuroscience

Other Editorial Roles

2013-	Academic Editor	PLoS ONE
2019-	Editorial Board Member	The Journal of Headache and Pain

Honors and Prizes

1995	Fellowship Award	Swedish Institute	
1995	Fellowship Award	Swiss National Foundation	
1995	Fellowship Award	Societe Academique Vaudoise	
2008	Stoicescu Fellowship Award	Stoicescu Foundation	
2010	Leenaards Scientific Prize	Leenaards Foundation	
2012	Chaire d'Excellence Pierre de Fermat	Conseil Regional Midi-Pyrenees	
2014	SAC Poster of Distinction Award	MGH Scientific Advisory Committee	
2014	F1000Prime	Faculty of 1000 recommendation	Awarded for article on Emotional Contagion, Translational Psychiatry
2016	LifeWatch Award	LifeWatch Foundation, Stockholm, Sweden	Awarded for achievements in autism research
2019	Top 100 official author	Top 100 read neuroscience articles in Scientific Reports 2018	Nature Research Scientific Reports

Report of Funded and Unfunded Projects

Funding Information

Past

- 2002-2006 Visual-social cognition in neurodevelopmental disorders
NIH 5R01NS044824-03
Principal Investigator
- 2002-2007 Language in Autism: Clinical and Basic Studies
NIH U19 DC 03610-08 (PI Tager-Flusberg)
BU subcontract
Principal Investigator Project 3
- 2004-2006 DOT and fMRI Studies of Visual Perception and Imagery
NIH 1R21MH068610 A01A1 (PI: Ganis)
Investigator
- 2001-2006 Diffusion MRI of Complex White Matter and Connectivity
NIH 5 RO1 MH64044-04 (PI Wedeen)
Investigator
- 2001-2012 Migraine Pathophysiology and Treatment Mechanisms
NIH 5P01 NS 35611-09 (PI: Moskowitz)
Principal Investigator Project 3
- 2006-2012 Functional Imaging of Affective and Cognitive Disorders
Swiss National Science Foundation PPOOP3-130191
Principal Investigator
- 2007-2009 Cognitive remediation, executive function deficit and functional brain imaging of adolescents and adults with ADHD
Swiss National Science Foundation 3200B0-118373 (PI: Bader)
Investigator
- 2008-2012 The Perception of Emotion and Empathy in Autism – a Brain Functional Imaging Study
Velux Foundation
Principal Investigator
- 2008-2010 The Cerebellum in Migraine
Stoicescu Foundation
Principal Investigator

- 2010-2011 A Genetic Paradigm for Obesity, Autism and Schizophrenia
Leenaards Foundation (PI: Jacquemont)
Investigator
- 2010-2011 The 16p11.2 rearrangements: genetic paradigms for obesity and neurodevelopmental disorders
Swiss National Science Foundation CRSI33_133044 (PI: Raymond)
Investigator
- 2013-2016 Age and Accurate Face Impressions: Perceptual Neural, & Motivational Mechanism.
1R01AG038375-01 (PI: Zebrowitz)
Principal Investigator of imaging subcontract.
- 2014-2015 Emotionell uppfattning i ansikten hos ungdomar och vuxna med autism.
Wilhelm och Martina Lundgrens Vetenskaps Fond (Sweden) (PI: Gillberg)
Investigator
- 2014-2017 PET-MR investigation of microglial activation in migraine
1R21NS082926-01A1
Principal Investigator
- 2016-2017 ECOR, Internal MGH funding. Characterizing the specificities of ASD in females.
Principal Investigator
- 2015-2017 Autism as a disease of brain circuit timing. Hartwell Foundation (PI Nicolelis)
Duke University Subcontract
Principal Investigator of imaging subcontract.
- 2013-2018 NeuroimagingAutism / Neuroinflammation Study (PI:Hooker)
Private Sponsor
Investigator
- 2017-2019 Ultrahigh field MRI in ASD – looking for in vivo evidence of patchy cortical thinning
NIH 1R21MH115306-01
Principal Investigator
- 2018-2019 The Excitatory Inhibitory hypothesis in ASD
ECOR, Internal MGH funding
Principal Investigator (\$80,000 direct costs)

Current:

- 2019-2022 Utvärdering av en molekylärpatologisk teori av autismspektrumstörningar
Vetenskapsrådet
Principal Investigator (\$490,000 – total direct costs)
This project investigates the hypothesis that autism is related to an excitatory/inhibitory imbalance using eye-tracking
- 2018-2023 Boosting mind-body mechanisms and outcomes for chronic pain (PI: Rosen/Napadow)
P01AT009965
Co-Principal Investigator for Project 3 (\$2,199,961 – direct costs for Project 3)
This is a program project grant aimed at testing complementary approaches to the treatment of migraine headache.
- 2019-2022 Microbiome-mediated oxytocin release in human health
Templeton Foundation
Investigator (PI: E. Lawson, MGH)
This project investigates the effect of microbiome manipulation in mother-infant bonding.
- 2019-2022 Assessing correlates of neuroinflammation in children with PANDAS, Obsessive
Compulsive Disorders, and healthy controls using Magnetic Resonance Imaging
International OCD Foundation
Investigator (PI: K. Williams, MGH)
This project uses quantitative MRI to investigate markers of inflammation in PANDAS.
- 2022-2024 Intravenös immunoglobulinbehandling (IVIG) hos barn med pediatrikt akut
neuropsykiatriskt syndrom (PANS): en öppen studie i Sydvästra Sverige / Intravenous
immunoglobulin therapy (IVIG) in children with pediatric acute neuropsychiatric
syndrome (PANS): an open-label study in southwestern Sweden
Vetenskapsrådet
Principal Investigator (\$43,000 – total direct cost)
This project is a small scale pilot clinical trial of IVIG for the treatment of PANS in
children.

Projects submitted for Funding:

- 2022-2026 Epigenetic involvement in socio-emotional behavior studied by PET-MRI
Investigator (PI: N. Zurcher Wimmer, cost requested \$3,549,460)
The aim of this simultaneous positron emission tomography-magnetic resonance imaging
study is to assess whether histone deacetylase (HDAC) expression is associated with socio-
emotional skills and brain activation and functional connectivity in healthy adults, and
whether sex differences are observed.

Report of Local Teaching and Training

Teaching of Students in Courses

1994-95	The Visual System 4 th year Medical School Students	Lausanne Medical School
2004	Human Nervous System and Behavior HST graduate students	HST
2007-2009	Methods in Cognitive Neurosciences Graduate Students in Neuroscience	Swiss Federal Institute of Technology
2008-2008	Topics in Cognitive Neurosciences Graduate Students in Neuroscience	Swiss Federal Institute of Technology
2009-2011	Introduction to Brain Imaging Graduate Students in Neuroscience	Swiss Federal Institute of Technology
2013- present	Behavioral Neuroscience Program Division of Graduate Medical Sciences Basic Neuroscience Survey Course GMS BN 777, 778, 779 Graduate students	Boston University School of Medicine
2019-20	Martinos Center Summer research enhancement program for medical students	Martinos Center for Biomedical Imaging Massachusetts General Hospital, guest lecturer
2020	MGH SYNAPSE program for undergraduate students	Martinos Center for Biomedical Imaging Massachusetts General Hospital, guest lecturer

Formal Teaching of Residents, Clinical Fellows and Research Fellows (post-docs)

1998	Functional Imaging of visual functions Students and post-docs	MIT
1998	Functional Imaging of color vision Students and post-docs	Harvard University
1999	Anatomical and functional neuroimaging Post-docs and academics	MGH
1999	fMRI visiting fellowship program Post-docs, fellows, academics	Martinos Center for Biomedical Imaging

2000	Introduction to Neuroscience Students and post-docs	MIT
2001	fMRI visiting fellowship program Post-docs, fellows, academics	Martinos Center for Biomedical Imaging
2002	fMRI visiting fellowship program Post-docs, fellows, academics	Martinos Center for Biomedical Imaging
2003	Functional imaging of cognitive functions Students and post-docs	MGH
2003	Annual Clinical fMRI conference Post-docs, fellows, academics	Martinos Center for Biomedical Imaging
2003	fMRI visiting fellowship program Post-docs, fellows, academics	Martinos Center for Biomedical Imaging
2004	fMRI visiting fellowship program Post-docs, fellows, academics	Martinos Center for Biomedical Imaging
2004	Annual Clinical fMRI conference Post-docs, fellows, academics	Martinos Center for Biomedical Imaging
2005	fMRI visiting fellowship program Post-docs, fellows, academics	Martinos Center for Biomedical Imaging
2007	Mirror neurons and autism: Let's face it! Post-docs, fellows, academics	Martinos Center for Biomedical Imaging
2008	The many faces of autism Post-docs, fellows, academics	Massachusetts Neuropsychological Society
2008	fMRI visiting fellowship program Post-docs, fellows, academics	Martinos Center for Biomedical Imaging
2009	fMRI visiting fellowship program Post-docs, fellows, academics	Martinos Center for Biomedical Imaging
2011	What imaging can teach us about autism! Post-docs, fellows, academics	Tewksbury Hospital, MA

2012	NeuroImaging in autism Post-docs, fellows, academics	VA Medical Center, Boston
2012	Forensic Neuropsychology Post-docs, fellows, academics	Boston University School of Medicine
2013	Brain imaging in migraine Post-docs, fellows, academics	Children's Hospital, Boston
2014	We see faces everywhere – but how Post-docs, fellows, academics	MedTech West, Chalmers University, Sweden
2015	Brain imaging in ESSENCE disorders Post-docs, fellows, academics, interns	Goteborg Children Hospital, Sweden
2015	Imagerie et autisme Post-docs, fellows, academics	Toulouse University Le Mirail, France
2016	Different locations, different cultures: becoming a brain imager in different environments Post-docs, fellows, academics	WISE, Chalmers University, Sweden
2019	Look me in the eyes, or not Clinicians, academics	Child Neuropsychiatry Continuing Education Day, Stockholm
2019	Looking autism in the eyes. Clinicians and academics	Annual Congres of the Swiss Pediatrics Society
2019	Looking me in the eyes – or not? Students and academics	University of Leiden, The Netherlands
2020	Writing an RO1/R21 Students and academics	MGH postdoctoral association (MGPA)
2020	From aura to neuroinflammation Students and academics	University of Copenhagen, Danish Headache Center and Dpt Neurology
2020	The migraine brain	HOPE Pain Frontiers Session, University of Michigan School of Dentistry (707 course, third year dental students)

2021 The Harvard MIND project Advisory board

Laboratory and Other Research Supervisory and Training Responsibilities

2003-2006	Supervision of Research Assistant / Martinos Center for Biomedical Imaging	Daily 1:1 mentoring
2006-2009	Supervision of Research Assistant / Martinos Center for Biomedical Imaging	Daily 1:1 mentoring
2010-2011	Supervision of Research Assistant / Martinos Center for Biomedical Imaging	Daily 1:1 mentoring
2014-2016	Supervision of graduate student Research Assistant / Martinos Center for Biomedical Imaging	Daily 1:1 mentoring
2016-2017	Supervision of post-doctoral research fellow / Martinos Center for Biomedical Imaging	Daily 1:1 mentoring
2018	Supervision of summer intern, graduate student	Daily 1:1 mentoring
2011-2021	Supervision of Research Assistant (Noreen Ward) / Martinos Center for Biomedical Imaging	Daily 1:1 mentoring
2018-present	Supervision/training of Post-doctoral research fellow (Sarah O’Dor) / Martinos Center for Biomedical Imaging	Bi-monthly 1:1 mentoring
2019-present	Supervision/training of Assistant Professor (Franziska Plessow) / Martinos Center for Biomedical Imaging	Bi-monthly 1:1 mentoring
2020-present	Supervision/training of Research Assistant (Hope Housman)/ Martinos Center for Biomedical Imaging	Weekly 1:1 mentoring
2020-present	Supervision/training of Research Assistant (Julia Zagaroli)/ Martinos Center for Biomedical Imaging	Monthly 1:1 mentoring
2020-present	Supervision of Post-doctoral Student (Ludovica Brusaferrri)/ Martinos Center for Biomedical Imaging	Weekly 1:1 mentoring
2022-present	Supervision of doctoral Student (Marie-Louis Wronski)/ Martinos Center for Biomedical Imaging	Weekly 1:1 mentoring

Formally Mentored Harvard Medical, Dental and Graduate Students

- 2000-2006 Alexandre da Silva, DMD / co-author on 4 publications / Currently Associate Professor and Director, Headache & Orofacial Pain Effort at University of Michigan School of Dentistry, Ann Arbor
- 2011-2012 Elvira Pirondini, Master thesis co-supervision, EPFL, Lausanne and HMS Bertarelli Program in Translational Neuroscience and Neuroengineering / Currently Post-Doctoral Fellow at the department of Radiology and Medical Informatics University of Geneva

Other Mentored Trainees and Faculty

- 2004-2009 Mentor for K award (R. Joseph), Boston U. School Of Medicine / co-author on 7 publications / Currently Assistant Professor, Boston University
- 2006-2008 Cristina Granziera, MD, PhD / co-author on 9 publications / Currently Assistant Professor, University of Basel, Switzerland
- 2007-2008 Nils Rettby Master thesis supervision, Swiss Federal Institute of Technology/ Currently Clinical Research Scientist, Lausanne University Hospital
- 2008-2010 Fei Chen, post-doctoral supervision, Swiss Federal Institute of Technology / Currently physician, Lausanne University Hospital
- 2008-2009 Antonia Lundquist, master thesis supervision, Swiss Federal Institute of Technology / Currently Project coordinator for Translational Medicine at Medicine for Malaria Venture
- 2008-2013 Nicole Zurcher, PhD thesis director, Swiss Federal Institute of Technology / co-author on 7 publications / currently Assistant Professor in Radiology at Harvard Medical School
- 2009 Amandine Lassalle, Master thesis supervision, Ecole Normale Supérieure, Paris/ Currently post-doctoral fellow at University of Amsterdam, The Netherlands
- 2009-2010 Juliana Iranpour, Master thesis supervision, University Paris VI, France
- 2009-2010 Sandra Da Costa, Master thesis supervision, EPFL / Currently post-doctoral fellow at Centre d'Imagerie Biomedicale, Lausanne University Hospital, Switzerland
- 2010-2011 V. Roch, Master thesis supervision, EPFL / Currently engineer at CREM, Switzerland
- 2011-2012 Kalliroi Retzepi, Bachelor thesis supervision, EPFL / Currently Master Student at the Media Lab, MIT. I am still mentoring this student regularly.
- 2010-2012 Ophelie Rogier, Post-doctoral supervision, Swiss Federal Institute of Technology / co-author on 5 publications / Currently project coordinator, Paris, France
- 2011-2012 Lorenzo Casari, Master thesis supervision, EPFL, Lausanne / Currently Software Engineer at Frontiers, Lausanne, Switzerland
- 2011-2012 Torsten Ruest, Post-doctoral supervision, EPFL, Lausanne / Co-author on 3 papers/ Currently MD student
- 2012-2014 Co-director for Quentin Guillon PhD Thesis, at University of Toulouse / Co-author on 5 publications / Currently post-doctoral fellow at University of Toulouse
- 2012-2015 Co-Mentor for Aurore Curie, post-doc in Randy Gollub's lab / Co-author on 4 publications / Currently MCU-PH in Laboratoire sur le langage, le cerveau et la cognition, CNRS, Lyon

- 2016-2017 Amandine Lassalle, Post-doctoral supervision, Harvard Medical School/ Currently post-doctoral fellow at University of Amsterdam, The Netherlands
- 2014-2018 Mentor for Nicole Zurcher, for her Meixner Postdoctoral fellowship from Autism Speaks (monthly mentorship)
- 2014- Mentor for Eri Ichijo, post-graduate student from Wellesley, currently in a PhD program at Oxford after a Master at King's College London
- 2015-2020 Director for Lisa Dinkler, PhD Thesis at Gothenburg University (weekly mentorship)
- 2016- Co-director for Darko Sarovic, PhD Thesis at Gothenburg University (weekly mentorship)
- 2018 Morgan Frost, Master Thesis supervision at University of Skovde (weekly mentorship)
- 2019- Director for Sara Lundberg, PhD thesis at Gothenburg University (weekly mentorship)
- 2020- Director for Max Thorsson, PhD thesis at Gothenburg University (weekly mentorship)
- 2020- Mentor for Mary Catanese, post-doctoral fellow, Martinos Center (monthly mentorship)
- 2020- Mentor for Meena Makary, post-doctoral fellow, Martinos Center (bi-annual mentorship)
- 2021- Co-director for Manus Warhang, PhD thesis at Gothenburg University (weekly mentorship)

Report of Regional, National and International Invited Teaching and Presentations

Those presentation below sponsored by outside entities are so noted and the sponsor are identified

Invited Presentation and Courses

Regional

- 2016 Social Brain Sciences Symposium, Brandeis University, Waltham.
- 2017 Neurology Grand Round Lecture.
Tufts University School of Medicine, Boston
- 2017 Pediatrics Grand Round Lecture
Tufts University School of Medicine, Boston
- 2018 Brain Imaging and Migraine, 4th Annual Headache and Face Pain Symposium
Tufts University School of Dental Medicine, Boston
- 2019 BU Anatomy and Neurobiology Seminar series
Boston University School of Medicine, Boston
- 2020 Pannel on writing a grant as a foreign post-doctoral fellow
HMS/HSDM Office for Postdoctoral Fellow
- 2020 Eye-tracking.
HMS/HSDM Office for Postdoctoral Fellow

National

- 2010 Imaging studies of face and emotion perception in autism, Seavers Center, Mount Sinai Hospital, New York, NY.
- 2011 Mirror Neurons System and psychiatric disorders. UCLA, Los Angeles, CA.
- 2016 Fear: Wherefore, Whence?, The Helix Center for Interdisciplinary Investigation, New York, NY.
- 2016 Autism and the Mind/Brain. The Helix Center for Interdisciplinary Investigation, New York, NY.

International

- 1996 PET imaging of the claustrum, Human Brain Mapping International Conference, Boston, USA [*Plenary Presentation*]
- 1998 Retinotopy and Color Sensitivity, Human Brain Mapping International Conference, Montreal, Canada [*Plenary Presentation*]
- 1999 Functional imaging in migraine, Zurich University Hospital, Switzerland [*Invited Lecture*]

- 1999 Functional imaging in migraine, Human Brain Mapping International Conference, Dusseldorf, Germany [*Plenary Presentation*]
- 2000 Clinical fMRI in migraine, International Headache Society, New York, USA [*Plenary Presentation*]
- 2001 Neuroimaging, National Yang-Ming University, Laboratory for Cognitive Psychology, Taipei, Taiwan [*Invited Lecture*]
- 2004 Face perception in autism, International Meeting For Autism Research, Sacramento, USA [*Plenary Presentation*]
- 2005 Functional imaging in autism, Department of Radiology, University Hospital, Geneva, Switzerland [*Invited Lecture*]
- 2005 Face and Emotion Perception in Autism - Insights from fMRI, Brain and Mind Institute, EPFL, Lausanne, Switzerland [*Seminar*]
- 2005 What can Functional Imaging Teach us about Migraine Pathophysiology?, **Sponsor:** Elitriptan Advisory Board. Bern, Switzerland [*Invited Lecture*]
- 2006 Functional and Anatomical Imaging in Migraine, Faculdade de Medicina da UFRJ, Rio de Janeiro, Brazil [*Invited Lecture*]
- 2007 Autism - a neurodevelopmental disorder, PENS [*Seminar*]
- 2007 Minimal brain lesions in migraine, COSBID, Berlin, Germany [*Invited Lecture*]
- 2007 Normal fusiform but abnormal social brain activation during face perception in ASD , Autism Europe Congres, Oslo, Norway [*Plenary Presentation*]
- 2008 L'image de l'autisme, CHUV, Lausanne, Switzerland [*Invited Lecture*]
- 2008 Mind the brain, University of Lausanne, Switzerland [*Seminar*]
- 2008 Mirror neurons and autism, Ecole Normale Supérieure, Paris, France [*Invited Lecture*]
- 2008 The many faces of autism, Swiss Federal Institute of Technology, Zurich, Switzerland [*Invited Lecture*]
- 2008 Comprendre L'autisme. University Hospital, Geneva, Switzerland [*Invited Lecture*]
- 2008 Brain imaging and migraine, GSK, London, UK
Sponsor: GSK
- 2008 Autism. University of Zurich, department of Neuroinformatics, Zurich, Switzerland [*Invited Lecture*]
- 2008 Autism, let's face it!, University of Modena, Italy [*Invited Lecture*]
- 2008 Autisme et neurones miroir, University of Geneva, Child Psychiatry, Switzerland [*Invited Lecture*]
- 2008 Brain imaging and autism, Societe romande de neuropsychologie, Lausanne, Switzerland [*Invited Lecture*]
- 2008 A new look on autism, TED Geneve (ASD parents association), Geneva, Switzerland [*Invited Lecture*]
- 2008 Autism: let's face it, Journees Signoret, Hopital Salpêtrière, Paris, France [*Plenary Presentation*]
- 2009 Mirror Neurons and Autism, University of Parma, Italy [*Invited Lecture*]

- 2009 Brain imaging in Autism, University of Aberdeen, Scotland [*Invited Lecture*]
- 2009 Asperger syndrome, Association Enjeu, Sion, Switzerland [*Invited Lecture*]
- 2009 Mirror Mechanisms and Autism, Soci t  de Neuropsychologie de Langue Francaise, Paris, France [*Plenary Presentation*]
- 2009 The amygdala and autism, Lemanic Neuroscience Annual Meeting, Lausanne, Switzerland [*Plenary Presentation*]
- 2009 Imagerie C r brale et Autisme, Soci t  de Psychologie Cognitive, Geneva, Switzerland [*Plenary Presentation*]
- 2009 The role of brain imaging in Autism, Autisme France, Paris, France [*Plenary Presentation*]
- 2009 What is wrong with faces, Innovative Research in Autism Conference, Tours, France [*Plenary Presentation*]
- 2009 Cognition, emotion and society, University of Lausanne, Switzerland [*Invited Lecture*]
- 2010 IRMf du traitement des emotions dans l'autisme, European Society of Pediatric Neurology annual meeting, Geneva, Switzerland [*Plenary Presentation*]
- 2010 Les visages de l'autisme, CerCo, University of Toulouse, France [*Invited Lecture*]
- 2010 Regards Crois s sur l'autisme, University of Brest, France [*Invited Lecture*]
- 2010 Imaging studies of face and emotion perception in autism, Pasteur Institute [*Invited Lecture*]
- 2011 Imagerie de l'autisme, University le Mirail, Toulouse, France [*Invited Lecture*]
- 2011 What imaging can teach us about autism, INMED, Marseille, France [*Invited Lecture*]
- 2011 The missing social instinct – what can brain imaging teach us about autism, Leibniz Institute for Neurobiology, Magdeburg, Germany [*Invited Lecture*]
- 2011 The missing social instinct, European Institute of Neuroscience Goettingen, Germany [*Invited Lecture*]
- 2011 D ficit de l'instinct social - ce que l'imagerie peut nous apprendre sur l'autisme, University of Nanterre, Paris, France [*Invited Lecture*]
- 2011 The Thalamus and Migraine. Lausanne University Hospital, Lausanne, Switzerland [*Invited Lecture*]
- 2012 What brain imaging can teach us about autism, Aalto University, Helsinki, Finland [*Invited Lecture*]
- 2012 Behavioral and functional data of emotional face perception in autism, Innovative Research in Autism Conference (IRIA), Tours, France [*Plenary Presentation*]
- 2012 Les bases anatomiques de l'instinct social. University of Fribourg, Switzerland [*Invited Lecture*]
- 2013 What brain imaging can teach us about autism, University of Gothenburg, Sweden [*Invited Lecture*]
- 2014 What brain imaging can teach us about ESSENCE, University of Gothenburg, Sweden [*Invited Lecture*]

- 2014 Social Perception and empathy in autism, University of the Faroe Islands, Faroe Islands [*Invited Lecture*]
- 2014 L'autisme est un trouble neurodevelopmental. Ecole d'Etudes Sociales et Pedagogiques, Lausanne, Switzerland [*Invited Lecture*]
- 2014 Improving emotional face perception in autism with Bumetanide. EMBO conference, Marseilles, France [*Plenary Presentation*]
- 2014 Brain imaging in migraine. University of Gothenburg, Sweden. [*Invited Lecture*]
- 2014 Social perception and empathy in autism. Social Affective Cognitive Neurosciences SANS Denver 2014. [*Invited lecture*]
- 2015 Neuroimaging of ESSENCE disorders. Ostra Sjukhuset, Gothenburg, Sweden. [*Invited lecture*]
- 2016 Neuroimaging and autism. 44th reunion of the European Society of Neurological Pediatrics, Lugano, Switzerland [*Plenary Presentation*]
- 2016 The Diuretic Bumetanide Improves Social Processing in Individuals with Autism. ASPET Annual Meeting at Experimental Biology 2016, San Diego, [*Invited lecture*]
- 2016 What Neuroimaging can teach us about ESSENCE. The world innovations combining medicine, engineering and technology in autism diagnosis and therapy. Rzesrow, Poland [*Plenary Presentation*]
- 2017 What happens in the brain of people with autism. MedTech West, Gothenburg, Sweden [*Invited lecture*]
- 2017 Perception emotionnelle dans l'autisme. University Jean-Jaures Toulouse, France [*Invited lecture*]
- 2018 The Ever Changing Brain. ESSENCE 2018, Gothenburg, Sweden [*Keynote lecture*]
- 2018 Eye Contact in Autism: the excitatory inhibitory hypothesis. Shenzhen International Autism Spectrum Disorder Forum [*Invited lecture*]
- 2018 The Excitatory/Inhibitory hypothesis in Autism, International Paediatrics Conference, Rzeszow, Poland [*Invited lecture*]
- 2018 First National Autism Conference, Switzerland [*Keynote lecture*]
- 2019 Affective Empathy & Autism. 19th Nationaal Autism Congres, Rotterdam, The Netherlands [*Invited lecture*]
- 2019 Look me in the eyes – or not? Simons Center Colloquium Series, MIT [*Invited lecture*]
- 2019 Gender bias in autism diagnosis. The Second International Forum on Women's Brain and Mental Health, University of Zurich, Switzerland [*Invited lecture*]
- 2020 From aura to Neuroinflammation – imaging studies from MGH. Joint annual meeting 2020, Swiss Headache Society and Swiss Pain Society Switzerland [*Invited lecture, virtual presentation*]
- 2021 Eye contact in autism and its relationship with disturbance of the excitation-inhibition balance in the brain. Moscow State Psychological and Pedagogical University [*Invited lecture, virtual presentation*]
- 2021 From aura to neuroinflammation: Has imaging resolved the puzzle of migraine pathophysiology?. Brain Prize Virtual Seminar series, Lundbeck Foundation [*Invited lecture, virtual presentation*]

2022 Neuroimaging of aura: inflammatory markers. The Brain Conference 2022,
Clinical/Translational talk
[Invited lecture, virtual presentation]

Report of Clinical Activities and Innovation:

Current Licensure and Board Certification

1992 Licensed Physician, Switzerland
1995 USMLE step 1 & 2, Educational Committee for Foreign Medical Graduates (ECFMG)
certification
2017 Leg Läkare, Swedish Medical License

Report of Education of Patients and Service to the Community:

No presentations below were sponsored by outside entities

Education of Patients and Service to the Community

2008 A New Look on Autism, TED Feneva (Autism Parent Association)
General presentation on autism
2009 Asperger Syndrome, Association Enjeu, Sion, Switzerland.
Presentation Asperger Syndrome
2012 Autisme et Création Artistique. Musée de l'Art Brut, Lausanne, Switzerland
Presentation on the artistic creation in autism
2015 Fright Factors: The Science of Fear. MIT museum, Cambridge.
Presentation on the mechanisms of fear for an event at the MIT museum
2016 Autisms – explorations with eye-tracking and brain imaging. iMotion, Boston
Presentation on how eye-tracking technologies can be used in autism research
2018 Asperger Autism Network Grandparents Support Group, AANE, Watertown, MA
Presentation on Autism and issues related to eye contact
2018 Asperger Autism Network Board, AANE, Watertown, MA
Presentation on latest findings in autism research

Educational Material for Patients and the Lay Community

No educational material below was sponsored by outside entities

2010 Emission 36.9, Au coeur du cerveau autiste, Television Suisse Romande, Switzerland
Documentary about Autism
2011 Emission Specimen, La Peur au Ventre, Television Suisse Romande, Switzerland
Documentary about Fear

- 2012 The History Channel - How the Earth Made Man
Documentary about face processing
- 2012 Le Cerveau d'Hugo, Escazal Productions, France 2, France
Principal Scientific Advisor for a Docu-fiction on Autism
- 2012 Emission Specimen, Comment avoir une idee geniale, Television Suisse Romande,
Switzerland
Documentary about Creativity
- 2012 Autisme: Lire les intentions
Webdocumentary about Autism
- 2013 Emission 36.9, Migraine: le casse tête, Television Suisse Romande, Switzerland
Documentary about Migraine
- 2013 Le Webdoc de l'Autisme
Documentary about Autism
- 2014 Kobra, Swedish Television - We see faces everywhere
Documentary about face and pareidolia perception
- 2017 Migraine de Folie, Television Swiss Romande, Switzerland
Documentary about what is means to suffer from migraine
- 2018 Ministère de l'Education Nationale (France): Enfants autistes: bienvenue à l'école!
Documentary about inclusion of children with autism at school

Recognition

- 2006 Clinical Neurology News: *Pain and Headache, Image of the Month*
- 2007 The Washington Post: *Brain Differences Seen in Migraine Sufferers*
- 2007 The Boston Globe: *Migraine study shows brain change*
- 2007 The Guardian: *Severe headaches may cause other pains, study suggests*
- 2007 BBC news: *Migraine brains 'are different'*
- 2007 Reuters: *Brain Differences detected in Migraine Sufferers*
- 2007 American Academy of Neurology: *Brain Differences found in people with migraine.*
- 2007 WebMD: *Migraine sufferers have different brains*
- 2007 U.S. News & World Report: *Migraine Tied to Thickening in Brain Area*
- 2007 CBS News: *Migraine sufferer's brain show changes in pain-sensing areas*
- 2007 Science Daily: *Brain Differences Found in People with Migraine*
- 2007- Listing in Who's Who
- 2008 Nature Clinical Practice Neurology: *Somatosensory cortex thickening in patients with migraine*

- 2008 L'Hebdo (Switzerland): *Autistes Hypersensibles ou indifferents aux autres?*
- 2010 L'Hebdo (Switzerland): Forum des 100 award, Awarded to the 100 most influential persons in French-Speaking Switzerland
- 2010 L'Hebdo (Switzerland): “*Obèses, autistes, migraineux, votre cerveau m'intéresse*”
- 2010 Swissinfo.ch (Switzerland): *Advocates want turnaround in autism treatment*
- 2010 RSR.ch (Switzerland): *Journée internationale de sensibilisation à l'autisme*
- 2010 24Heures (Switzerland): *Vous Cherchez? Nouchine Hadjikhani*
- 2010 L'Hebdo (Switzerland): *Forum des 100, Nouchine Hadjikhani: Le cerveau au scanner*
- 2011 TSR Swiss National Television news (Switzerland): *Autism Day 2011*
- 2011 Harvard Medicine: *The Chill of Fear*
- 2011 CNN.com (July 2011): *Antidepressant use in pregnancy may raise autism risk*
- 2013 Le Temps (Switzerland): *Le cerveau hyper-connecté des autistes*
- 2013 BBC news (2013): *Pareidolia: Why we see faces in hills, the Moon and toasties*
- 2013 Dagens Nyheter (Sweden): *Därför är Hitler en tekanna*
- 2014 National Geographic: *Why Do People See Faces in the Moon*
- 2014 Tech Times: *Why Do We See Faces and Mysterious Objects On the Surfaces of Other Planets?*
- 2014 The Huffington Post: *Is This Perfect Face In The Clouds For Real?*
- 2014 The Week: *The Science of Fear*
- 2015 Vice: *The Futility of Modern Fears*
- 2015 Spectrum News: *Rare glimpse of neurons refine understanding of the amygdala*
- 2016 Swedish TV4 News: *Hennes forskning kan lösa autisms gåtor*
- 2017 The Philadelphia Enquirer: *Study: Overstimulation, not indifference, makes eye contact hard for people with autism*
- 2017 Science Daily: *Why do those with autism avoid eye contact.*
- 2017 MedicalXpress: *Researchers explore why those with autism avoid eye contact*
- 2017 Science Alert: *For Those With Autism, Eye Contact Isn't Just Weird, It's Distressing*
- 2017 DoctorsLounge: *Why People with Autism Avoid Eye Contact*
- 2017 Sioux City Journal: *Why People with Autism Avoid Eye Contact*
- 2017 Harvard Medical School News: *Ocular Overdrive*
- 2017 The Mass General Research Institute Blog: *More Than Meets the Eye: Researchers Find Eye Contact Causes Stress and Overactivation in the Brains of Autistic Individuals*
- 2017 New York Magazine: *Here is why Eye Contact Is So Awkward for Some People*

- 2017 U.S. News & World Report: *Why People With Autism Avoid Eye Contact*
- 2017 The Huffington Post: *Why Eye Contact Is So Distressing For People With Autism*
- 2017 Massachusetts General Hospital Research Institute: *Brain imaging studies provide new insights into biological basis of behaviors in schizophrenia and autism*
- 2017 AutisMag: *Can Your Child's Eye Movement Help You Visualize their Future Well-Being?*
- 2017 Omaha Herald: *Cooking up just the right scare*
- 2018 Les Echos (France): *Vers un premier traitement contre l'autisme?*
- 2018 Tagesspiegel (Germany): *Fatal Giant Waves in the head*
- 2019 Medscape: *Brain Imaging Reveals Neuroinflammation in Migraine with Aura.*
- 2020 Express.co.uk: *Autism symptoms: Study delves into why lack of eye contact is often a symptom of condition*

Report of Scholarship

ORCID: orcid.org/0000-0003-4075-3106

Publications

Peer-Reviewed Scholarship in Print or other media

1. Tootell RB, Mendola JD, **Hadjikhani** N, Ledden PJ, Liu AK, Reppas JB, Sereno MI, Dale AM. Functional analysis of V3A and related areas in human visual cortex. *J Neuroscience*. 1997;17(18):7060-78. PMID: 927854 2
2. Tootell RBH, **Hadjikhani** N, Mendola JD, Marrett S, Dale AM. From retinotopy to recognition: fMRI in human visual cortex. *Trends in Cognitive Sciences*. 1998;1(2):174-183. PMID: 21227152
3. **Hadjikhani** N, Roland PE. Cross-modal transfer of information between the tactile and the visual representations in the human brain: A positron emission tomographic study. *J Neuroscience*. 1998;18(3):1072-84. PMID: 9437027
4. Tootell RB, Mendola JD, **Hadjikhani** N, Liu AK, Dale AM. The representation of the ipsilateral visual field in human cerebral cortex. *Proc Natl Acad Sci USA*. 1998;95(3):818-24. PMID: 9448246
5. Tootell RB, **Hadjikhani** N, Vanduffel W, Liu AK, Mendola JD, Sereno MI, Dale AM. Functional analysis of primary visual cortex (V1) in humans. *Proc Natl Acad Sci USA*. 1998;95(3):811-7. PMID: 9448245
6. **Hadjikhani** N, Liu AK, Dale AM, Cavanagh P, Tootell RB. Retinotopy and color sensitivity in human visual cortical area V8. *Nature Neuroscience*. 1998;1(3):235-41. PMID: 10195149
7. Tootell RB, **Hadjikhani** N, Hall EK, Marrett S, Vanduffel W, Vaughan JT, Dale AM. The retinotopy of visual spatial attention. *Neuron*. 1998;21(6):1409-22. PMID: 9883733
8. **Hadjikhani** N, Tootell RB. Projection of rods and cones within human visual cortex. *Human Brain Mapping*. 2000;9(1):55-63. PMID: 10643730
9. Tootell RB, **Hadjikhani** N. Attention -brains at work! *Nature Neuroscience*. 2000;3(3):206-8. PMID: 10700248
10. Van Essen DC, Lewis JW, Drury HA, **Hadjikhani** N, Tootell RB, Bakircioglu M, Miller MI. Mapping visual cortex in monkeys and humans using surface-based atlases. *Vision Res*. 2001; 41(10-11):1359-78. PMID: 11322980
11. Pellerin L, Sibson NR, **Hadjikhani** N, Hyder F. What you see is what you think--or is it? *Trends in Neuroscience*. 2001;24(2):71-2. PMID: 11252265
12. Sasaki Y, **Hadjikhani** N, Fischl B, Liu AK, Marrett S, Dale AM, Tootell RB, Marret S. Local and global attention are mapped retinotopically in human occipital cortex. *Proc Natl Acad Sci USA*. 2001; 98(4):2077-82. PMID: 11172078

13. Tootell RB, **Hadjikhani** N. Where is 'dorsal V4' in human visual cortex? Retinotopic, topographic and functional evidence. *Cerebral Cortex*. 2001;11(4):298-311. PMID: 11278193
14. **Hadjikhani** N, Sanchez Del Rio M, Wu O, Schwartz D, Bakker D, Fischl B, Kwong KK, Cutrer FM, Rosen BR, Tootell RB, Sorensen AG, Moskowitz MA. Mechanisms of migraine aura revealed by functional MRI in human visual cortex. *Proc Natl Acad Sci USA*. 2001;98(8):4687-92. PMID: 11287655
- *Cited as « The most most thorough investigation of changes in neuronal activity during migraine aura. Signal changes showed a number of characteristics that were consistent with CSD during migraine aura in humans » by Pietrobon D & Striessnig J : Neurobiology of migraine. Nature Reviews Neuroscience 2003 ; 4 :386-398*
15. Bonmassar G, **Hadjikhani** N, Ives JR, Hinton D, Belliveau JW. Influence of EEG electrodes on the BOLD fMRI signal. *Human Brain Mapping*. 2001;14(2):108-15. PMID: 11500994
16. **Hadjikhani** N, de Gelder B. Neural basis of prosopagnosia: an fMRI study. *Human Brain Mapping*. 2002;16 (3):176-82. PMID: 12112771
17. DaSilva AF, Tuch DS, Wiegell MR, **Hadjikhani** N. A primer on diffusion tensor imaging of anatomical substructures. *Neurosurg Focus*. 2003;15(1):E4. PMID: 15355006
18. de Gelder B, Frissen I, Barton J, **Hadjikhani** N. A modulatory role for facial expressions in prosopagnosia. *Proc Natl Acad Sci USA*. 2003;100(22):13105-10. PMID: 14561892
19. **Hadjikhani** N, de Gelder B. Seeing fearful body expressions activates the fusiform cortex and amygdala. *Current Biology*. 2003;13(24):2201-5. PMID: 14680638
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21. **Hadjikhani** N, Joseph RM, Snyder J, Chabris CF, Clark J, Steele S, McGrath L, Vangel M, Aharon I, Feczko E, Harris GJ, Tager-Flusberg H. Activation of the fusiform gyrus when individuals with autism spectrum disorder view faces. *NeuroImage*. 2004;22(3):1141-50. PMID: 15219586
22. de Gelder B, Snyder J, Greve D, Gerard G, **Hadjikhani** N. Fear fosters flight: A mechanism for fear contagion when perceiving emotion expressed by a whole body. *Proc Natl Acad Sci U S A*. 2004;101(47):16701-6. PMID: 15546983
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26. **Hadjikhani** N, Joseph RM, Snyder J, Tager-Flusberg H. Abnormal activation of the social brain during face perception in autism. *Human Brain Mapping*. 2007;28(5):441-9. PMID: 17133386
27. DaSilva AF, Granziera C, Snyder J, Tuch DS, Vincent M, **Hadjikhani** N. Interictal alterations of the trigeminal somatosensory pathway and PAG in migraine. *NeuroReport*. 2007;18:301-305. PMID: 17435592
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29. Witcher B, Wisco JJ, **Hadjikhani** N, Tuch DS. Statistical Group Comparison of Diffusion Tensors via Multivariate Hypothesis Testing. *Magnetic Resonance in Medicine*. 2007;57(6):1065-1074. PMID: 17534902
30. Vincent M, **Hadjikhani** N. Migraine aura and related phenomena: beyond scotomata and scintillations *Cephalalgia*. 2007;27(12):1368-1377. PMID: 17944958
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- *Highlighted in Nature Clinical Practice Neurology*. 2008; 4 :124
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