

## Nouchine HADJIKHANI, MD, PhD

### Curriculum Vitae

Martinos Center for Biomedical Imaging  
 Massachusetts General Hospital  
 Harvard Medical School  
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 ORCID: 0000-0003-4075-3106  
 Google scholar citations: ~11'500

### Current Research Topics

- Emotion perception in autism
- Pain processing in migraine
- Methods: behavioral, psychophysics, eye-tracking, neuro-imaging (fMRI, MEG)

### Employment & Degrees

**2016 - Associate Neuroscientist, Massachusetts General Hospital, Boston**  
**2015 - Director, Neurolimbic Research, Martinos Center for Biomedical Imaging, MGH, Boston**  
**2013 - Visiting Professor, Gillberg Center, Sahlgrenska Academy, Gothenburg University, Sweden**  
**2006 - Associate Professor, Radiology, Harvard Medical School, Boston**  
 2006 – 2012 Director, Social Cognition Laboratory, Swiss Federal Institute of Technology, Lausanne  
 2006 - 2012 Professeur Boursier, Brain Mind Institute, Swiss Federal Institute of Technology, Lausanne  
 2005 – 2014 Affiliated Faculty, Massachusetts Institute of Technology, Cambridge  
 2002 – 2005 Assistant Professor, Radiology, Harvard Medical School, Boston  
 1999 – 2002 Instructor, Radiology, Harvard Medical School, Boston  
 1997 – 1999 Post-doctoral Research Fellow, Radiology, Harvard Medical School, Boston  
 1995 – 1996 Post-doctoral Research Fellow, Laboratory for Brain Research and Position Emission Tomography, Karolinska Institute, Stockholm, Sweden  
 1993 – 1995 Research Fellow, Anatomy and Physiology, University of Lausanne, Switzerland  
 1993 Research Fellow, Neuropediatrics, Lausanne University Hospital, Switzerland

2017 Leg Läkare, Sweden  
 2010 PhD in Neuroscience, Tilburg University, The Netherlands  
 1995 Doctorate in Medicine, University of Lausanne, Switzerland  
 1992 Licensed Physician, University of Lausanne, Switzerland

### Honors & Awards

Fellowship Award, Swedish Institute, 1995  
 Fellowship Award, Swiss National Foundation, 1995

Fellowship Award, Société Académique Vaudoise, 1995  
 National Swiss Foundation Professeur Boursier Award, 2006  
 Stoicescu Fellowship Award, 2008  
 Leenaards Scientific Prize, 2010  
 L'Hebdo Forum des 100 Award, 2010  
 Chaire d'Excellence Pierre de Fermat, Region Midi-Pyrenees, French Government, 2012  
 MGH Scientific Committee poster of distinction Award, 2014  
 F1000 Prime recommendation, 2014  
 LifeWatch Award, Niclas Öberg LifeWatch Foundation, 2016

## Peer-Reviewed Journal Publications

- 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
- 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
- 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
- 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
- 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
- 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
- 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
- Hadjikhani N**, Tootell RB. Projection of rods and cones within human visual cortex. *Human Brain Mapping* 2000;9(1):55-63. PMID: 10643730
- Tootell RB, **Hadjikhani N**. Attention -brains at work! *Nature Neuroscience* 2000;3(3):206-8. PMID: 10700248
- 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
- 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
- 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
- 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

- 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
- 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
- Hadjikhani N**, de Gelder B. Neural basis of prosopagnosia: an fMRI study. *Human Brain Mapping* 2002;16(3):176-82. PMID: 12112771
- 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
- 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
- Hadjikhani N**, de Gelder B. Seeing fearful body expressions activates the fusiform cortex and amygdala. *Current Biology*. 2003;13(24):2201-5. PMID: 14680638
- Hadjikhani N**, Chabris CF, Joseph RM, Clark J, McGrath L, Aharon I, Feczko E, Tager-Flusberg H, Harris GJ. Early visual cortex organization in autism: an fMRI study. *NeuroReport*. 2004;15(2):267-70. PMID: 15076750
- 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
- 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
- Hadjikhani N**, Joseph RM, Snyder J, Tager-Flusberg H. Anatomical differences in mirror neurons system and social cognition network in autism. *Cerebral Cortex*. 2006;16(16):1276-82. PMID: 16306324
- Granziera C, Da Silva AFM, Snyder J, Tuch D, **Hadjikhani N**. Anatomical alterations of the visual motion processing network in migraine with and without aura. *PLoS Medicine*. 2006;10(3) e402. PMID: 17048979
- de Gelder B, **Hadjikhani N**. Nonconscious recognition of emotional body language. *NeuroReport* 2006;17:583-586. PMID: 16603916
- 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
- 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
- Vincent M, **Hadjikhani N**. The cerebellum and migraine. *Headache*. 2007;47(6):820-833. PMID: 17578530
- Whitcher 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
- Vincent M, **Hadjikhani N**. Migraine aura and related phenomena: beyond scotomata and scintillations *Cephalalgia* 2007;27(12)1368-1377. PMID: 17944958
- DaSilva AF, Granziera C, Snyder J, **Hadjikhani N**. Thickening in the somatosensory cortex of patients with migraine. *Neurology* 2007;69:1990-1995. PMID: 18025393

- Knaus T, Silver A, Lindgren K, **Hadjikhani N**, Tager-Flusberg H. fMRI activation during a language task in adolescents with autism spectrum disorder” *The Journal of the International Neuropsychological Society* 2008;14(16):967-979. PMID: 18954477
- Thakkar K, Polli F, Joseph R, Tuch D, **Hadjikhani N**, Barton J, Manoch D. Response monitoring, repetitive behavior, and anterior cingulate abnormalities in autism spectrum. *Brain* 2008;131:2464-2478. PMID: 18550622
- Hadjikhani N**. Relevance of cortical thickness in migraine sufferers. *Expert Rev. Neurotherapeutics* 2008; 8(3):327-329. PMID: 18345963
- Hadjikhani N**, Hoge R, Snyder J, de Gelder B. Pointing with the eyes: the role of gaze in communicating danger. *Brain and Cognition* 2008;68(1)1-8. PMID: 18586370
- Kaaro J, Partonen T, Naik P, **Hadjikhani N**. Is migraine a lateralization defect? *NeuroReport* 2008;19(13)1351-1353. PMID: 18695522
- Granziera C, Schmahmann JD, **Hadjikhani N**, Heiko M, Meuli R, Wedeen VJ, Krueger G. Diffusion Spectrum imaging shows the structural basis of functional cerebellar circuits in the human cerebellum in vivo. *PLoS One* 2009;4(4):e5101. Epub 2009 Apr 2, PMID: 19340289
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- Meeren HK, **Hadjikhani N**, Ahlfors S, Hämäläinen MS, de Gelder B. Early category-specific cortical activation revealed by visual stimulus inversion. *PLoS One* 2008 2008;3(10)e3503. PMID: 18946504
- Hadjikhani N**, Joseph RM, Manoch DS, Naik P, Snyder J, Dominick K, Hoge R, Van den Stock J, Tager-Flusberg H, de Gelder B. Body expressions of emotion do not trigger fear contagion in autism. *Social Cognitive and Affective Neuroscience* 2009 Mar;4(1):70-8. PMID: 19151375
- Adams RB Jr, Franklin RG Jr, Rule NO, Freeman JB, Kveraga K, **Hadjikhani N**, Yoshikawa S, Ambady N. Culture, Gaze and the neural processing of fear expressions. *Social Cognitive and Affective Neuroscience* 2010 5(2-3):340-8. PMID 20019073
- Hadjikhani N**. Serotonin, pregnancy and increased autism prevalence: is there a link? *Medical Hypotheses*, 2010 74(5):880-3] PMID 20018455
- Walters RG, Jacquemont S, Valsesia A, de Smith AJ, Martinet D, Andersson J, Falchi M, Chen F, Andrieux J, Lobbens S, Delobel B, Stutzmann F, El-Sayed Moustafa JS, Chèvre JC, Lecoœur C, Vatin V, Bouquillon S, Boute O, Cuisset JM, Ambresin AE, Brioshi A, Gaillard M, Giusti V, Fellmann F, Ferrarini A, **Hadjikhani N**, Campion D, Goldenberg A, Calmels N, Mandel JL, Le Caignec C, David A, Isidor B, Cordier MP, Dupuis-Girod S, Labalme A, Sanlaville D, Béri-Deixheimer M, Jonveaux P, Leheup B, Öunap K, Ellis R, MacDermot KD, Vincent-Delorme C, Plessis G, Touraine R, Philippe A, Malin V, Blaumeiser B, Frank Kooy RF, Caiazzo R, Pigeyre M, Balkau B, Sladek R, Bergmann S, Mooser V, Waterworth D, Reymond A, Vollenweider P, Waeber G, Kurg A, Palta P, Esko T, Metspalu A, Nelis M, Elliott P, Hartikainen AL, McCarthy MI, Peltonen L, Carlsson L, Jacobson P, Sjöström L, Männik K, Jarvelin MR, Pattou F, Meyre D, Walley AJ, Coin LJM, Blakemore AIF, Froguel P, Beckmann JS. A new highly-penetrant form of obesity due to a 740kb deletion on chromosome 16p11.2. *Nature*. 2010;463(7281):671-5. PMID: 20130649
- Donnelly N, Zürcher N, Cornes K, Snyder J, Naik P, Hadwin J, **Hadjikhani N**. Discriminating grotesque from

- typical faces: evidence from the Thatcher illusion. *PLoS One*. 2011;6(8):e23340. PMID: 21912594
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- Granziera C, **Hadjikhani N**, Arzy S, Seeck M, Meuli R, Krueger G. In vivo imaging of the structural core of Papez circuit in humans. *NeuroReport*. 2011;22(5):227-31. PMID: 21346644
- Jacquemont S, Curie A, Des Portes V, Torrioli MG, Berry-Kravis E, Hagerman RJ, Ramos FJ, Cornish K, He Y, Paulding C, Neri G, Chen F, **Hadjikhani N**, Martinet D, Meyer J, Beckmann JS, Delange K, Brun A, Bussy G, Gasparini F, Hilse T, Floesser A, Branson J, Bilbe G, Johns D, Gomez-Mancilla B. Epigenetic modification of the FMR1 gene in fragile X leads to a differential response to the mGluR5 antagonist AFQ056. *Science Translational Medicine*. 2011;3(64):64ra1. PMID: 21209411
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- Bakhtiari R, Zürcher N, Rogier O, Russo B, Hippolyte L, Granziera C, Araabi B, Ahmadabadi M, **Hadjikhani N**. Differences in white matter reflect atypical developmental trajectory in autism: a tract-based spatial statistics study. *NeuroImage: Clinical*, 2012 ;1(1):48-56. PMID: 24179736
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- Van der Zwaag W, Da Costa S, Zürcher N.R, Adams R.B, **Hadjikhani N**. A 7 Tesla fMRI study of amygdala response to fearful faces. *Brain Topography*. 2012 Apr;25(2):125-8 PMID: 22270846.
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- Zürcher N, Rogier O, Boshyan J, Hippolyte L, Russo B, Gillberg N, Helles A, Ruest T, Lemonnier E, Gillberg Ch, **Hadjikhani N**. Perception of social cues of danger in autism spectrum disorders. *PLoS One* 2013, Dec 4;8(12):e81206. PMID: 24324679
- Sabatier I, Chabrier S, Brun A, Hees L, Cheylus A, Gollub R, **Hadjikhani N**, Kong J, des Portes V, Floret D, Curie A. Stroke by Carotid Artery Complete Occlusion in Kawasaki Disease: Case Report and Review of Literature. *Pediatric Neurology* 2013 Dec;49(6):469-73. PMID: 24095647
- Meeren HKM, de Gelder B, Ahlfors SP, Hamalainen M, **Hadjikhani N**. Different cortical dynamics in face and body perception: an MEG study. *PLoS One* 2013 Sep 6;8(9):e71408. PMID: 24039712
- Granziera C, Romascano D, Daducci A, Roche A, Vincent M, Krueger G, **Hadjikhani N**. Migraineurs without aura show microstructural abnormalities in the cerebellum and the frontal lobe *The Cerebellum* 2013 Dec;12(6):812-8. PMID 23703313

- Hadjikhani N.** Ward N, Boshyan J, Napadow V, Maeda Y, Truini A, Caramia F, Tinelli E, Mainero C. The missing link: Enhanced functional connectivity between amygdala and the viscerosensitive cortex in migraine. *Cephalgia* 2013, 33(15):1264-1268. PMID: 23720503
- Jiang X, Bollich A, Cox P, Hyder E, James J, Gowani SA, **Hadjikhani N**, Blanz V, Manoach DS, Barton JS, Gaillard WD, Riesenhuber M. A quantitative link between face discrimination deficits and neuronal selectivity for faces in autism *NeuroImage Clinical* 2013; 2:320-321. PMID: 24179786
- Zürcher N, Donnelly N, Rogier O, Russo B, Hippolyte L, Hadwin J, Lemonnier E, **Hadjikhani N**. It's all in the eyes: subcortical and cortical activation during grotesqueness perception in autism. *PLoS One* 2013;8(1):e54313. PMID: 23342130
- Granziera C, Daducci A, Romascano D, Roche A, Helms G, Krueger G, **Hadjikhani N**. Structural abnormalities in the thalamus of migraineurs with aura: a multiparametric study at 3T. *Human Brain Mapping* 2014 35(4):1461-8. PMID: 23450507
- Guillon Q, **Hadjikhani N**, Baduel S, Kruck J, Arnaud M, Roge B. Both dog and human faces are explored abnormally by young children with ASD. *NeuroReport* 2014 25(15):1237-41. PMID: 25162783
- Guillon Q, **Hadjikhani N**, Baduel S, Rogé B. Visual social attention in Autism Spectrum Disorder: insights from eye tracking studies. *Neuroscience & Biobehavioral Reviews* 2014 (42):279-297. PMID: 24694721
- Curie A, Nazir T, Brun A, Paulignan Y, Reboul A, Delange K, Cheylus A, Bertrand S, Rochefort F, Bussy G, Marignier S, Lacombe D, Chiron C, Cossée M, Leheup B, Philippe C, Laugel V, De Saint Martin A, Sacco S, Poirier K, Bienvenu T, Souville I, Gilbert-Dussardier B, Bieth E, Kauffmann D, Briot P, de Fréminville B, Prieur F, Till M, Rooryck-Thambo C, Mortemousque I, Bobillier-Chaumont I, Toutain A, Touraine R, Sanlaville D, Chelly J, Freeman S, Kong J, **Hadjikhani N**, Gollub RL, Roy A, des Portes V. The c.429\_452 duplication of the ARX gene: a unique developmental-model of limb kinetic apraxia. *Orphanet J Rare Dis.* 2014 Feb 14;9(1):25. PMID: 24528893
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- Guillon Q, **Hadjikhani N**, Roge B. L'utilisation de la technique de suivi du regard dans l'étude des troubles du spectre de l'autisme. *L'Information Psychiatrique*, 2014 90(10) 827-34.
- Kveraga K, Boshyan J, Adams R, Mote J, Betz N, Ward N, **Hadjikhani N**, Bar M, Barrett L. If it bleeds, it leads: Separating threat and negativity. *Social Cognitive and Affective Neuroscience*, 2015 10(1):28-35. PMID: 24493851
- Durrleman S, Hippolyte L, Zufferey S, Iglesias K, **Hadjikhani N**. Complex Syntax in Autism Spectrum Disorders: A Study of Relative Clauses. *International Journal of Language & Communication Disorders* 2015 50(2):260-7. PMID: 25244532

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- Guillon Q, Afzali MH, Roge B, Baduel S, Kruck J, **Hadjikhani N**. The importance of networking in autism gaze analysis. *PLoS One* 2015 Oct 23;10(10):e0141191. PMID: 26496498.
- Østergaard L, Dreier JP, **Hadjikhani N**, Jespersen SN, Dirnagl U, Dalkara T. Neurovascular coupling during cortical spreading depolarization and depression. *Stroke* 2015 May;46(5):1392-401. PMID: 25882051.
- Hadjikhani N**, Zürcher N, Rogier O, Ruest T, Hippolyte L, Ben-Ari Y, Lemonnier E. Improving emotional face perception in autism with diuretic bumetanide: a proof-of-concept behavioral and functional brain imaging pilot study. *Autism* 2015,19(2)149-157. PMID: 24343334
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## Thesis

**Hadjikhani N.** The pattern of visual callosal connections in human extrastriate cortex. Switzerland: Lausanne 1995

**Hadjikhani N.** Emotion Perception in Autism. The Netherlands: Tilburg; 2010

## Chapters, News Articles & Book Reviews

Tootell RBH, **Hadjikhani N.** Has a new color area been discovered (editorial). Nature Neuroscience. 1998;1 :335-336.

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- Hadjikhani N,** Guillon Q. Zeroing in on illusions in eye-gaze research. Guest Blog, Simons Foundation Autism Research Initiative (SFARI) 13 may 2014 <http://sfari.org/news-and-opinion/blog/2014/guest-blog-zeroing-in-on-illusions-in-eye-gaze-research>
- Ben-Ari Y, Lemonnier E, **Hadjikhani N.** Traiter l'autisme? Au-delà des gènes et de la psychanalyse. De Boeck Solal, 2015
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- Hadjikhani, N.** Eye-to-eye. Blog (2017), Gillberg Neuropsychiatry Center: <http://gnc.gu.se/english/gillberg-s-blog/eye-to-eye>

## Editorial activities

Academic Editor, PLoS ONE 2013 -

**Ad hoc reviewer for:** Acta Paediatrica; American Journal of Psychiatry; Annals of Neurology; Archives of General Psychiatry; Autism; Autism Research; Biological Psychiatry; Brain; Brain Research; Brain Topography; Cephalalgia; Cerebral Cortex; Cognitive Computation; Consciousness and Cognition; Cortex; Current Biology; Development and Psychopathology; Emotion; European Journal of Neuroscience; European Review of Applied Psychology; 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; The Lancet Neurology; Magnetic Resonance in Medicine; Nature Clinical Practice Neurology ; Nature Neuroscience ; Neural Plasticity ; NeuroImage ; NeuroImage Clinical ;

Neurology ; Neuropsychological Neuropsychopharmacology; Neuroscience & Biobehavioral Reviews; Pain; 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; Scientific Reports; Social Cognitive Affective Neuroscience; Stroke; Trends in Cognitive Sciences; Trends in Neurosciences; Vision Research; Visual Neuroscience.

## Grant panels activities

Ad-Hoc Member, National Institute of Health (NIH) ZRG1 BBBP-6, NIH; VISB, NIH; NINDS, NIH; ZRG1 IFCN-E, NIH; NIDDK, NIH; Ad-Hoc Member, ZRG1 BBB-L, NIH; ARRA BBB-P, NIH; CP BBBP-IRG, NIH; NINDS Headache CDEs; DBD, NIH; ZRG1 CFS-N, NIH; ZRG F02B, NIH

Ad-Hoc Reviewer, Medical Research Council (MRC)UK; Agence d'évaluation de la recherche et de l'enseignement supérieur (AERES) France; Agence nationale de la recherche (ANR) France; The Netherlands Organisation for Health Research and Development (ZonMw); European Research Council (ERC); German-Israeli Foundation for Scientific Research and Development (GIF); Swiss National Science Foundation (SNF); Harvard Catalyst Data Ideation Challenge

## Participation in TV scientific programs

Emission 36.9, Au coeur du cerveau autiste, TSR 2010  
 Emission Spécimen, La Peur au Ventre, TSR 2011  
 The History Channel - How the Earth Made Man, 2012  
 France 2 - Le Cerveau d'Hugo, Escazal Productions 2012 (scientific advisor)  
 Emission Specimen, Comment avoir une idée géniale, TSR 2012  
 Autisme: Lire les intentions Webdocumentaire 2012  
 Emission 36.9, Migraine: le casse-tête, TSR 2013  
 Le Webdoc de l'Autisme 2013  
 Kobra, Swedish Television - We see faces everywhere 2014  
 Fear: Wherefore, Whence – The Helix Center, 2016  
 Autism and the Mind/Brain – The Helix Center 2016  
 Migraine de Folie, movie, TSR 2017  
 Ministère de l'Éducation Nationale (France): Enfants autistes: bienvenue à l'école! 2018

## Selected press coverage

Clinical Neurology News (November 2006): *Pain and Headache, Image of the Month*  
 The Washington Post (November 2007): *Brain Differences Seen in Migraine Sufferers*  
 The Boston Globe (November 2007): *Migraine study shows brain change*  
 The Guardian (November 2007): *Severe headaches may cause other pains, study suggests*

BBC news (November 2007): *Migraine brains 'are different'*

Reuters (November 2007): *Brain Differences detected in Migraine Sufferers*

American Academy of Neurology (November 2007): *Brain Differences found in people with migraine.*

WebMD (November 2007): *Migraine sufferers have different brains*

U.S. News and World Report (November 2007): *Migraine Tied to Thickening in Brain Area*

CBS News (November 2007): *Migraine sufferer's brain show changes in pain-sensing areas*

Science Daily (November 2007): *Brain Differences Found in People with Migraine*

Nature Clinical Practice Neurology (March 2008): *Somatosensory cortex thickening in patients with migraine*

L'Hebdo (Switzerland, February 2008): *Autistes Hypersensibles ou indifferents aux autres?*

L'Hebdo (Switzerland, March 2010): *"Obèses, autistes, migraineux, votre cerveau m'intéresse"*

Swissinfo.ch ( April 2010): *Advocates want turnaround in autism treatment*

RSR.ch (April 2010): *Journée internationale de sensibilisation à l'autisme*

24Heures (Switzerland, April 2010): *Vous Cherchez? Nouchine Hadjikhani*

L'Hebdo (Switzerland, May 2010): *Forum des 100, Nouchine Hadjikhani: Le cerveau au scanner*

TSR news (Switzerland, April 2011): *Autism Day 2011*

Harvard Medicine (Summer 2011): *The Chill of Fear*

CNN.com (July 2011): *Antidepressant use in pregnancy may raise autism risk*

Le Temps (Switzerland, November 2013): *Le cerveau hyper-connecté des autistes*

BBC news (May 2013): *Pareidolia: Why we see faces in hills, the Moon and toasties*

Dagens Nyheter (Sweden, May 2013): *Därför är Hitler en tekanna*

National Geographic (April 2014): *Why Do People See Faces in the Moon*

Tech Times (December 2014): *Why Do We See Faces and Mysterious Objects On the Surfaces of Other Planets?*

The Huffington Post (August 2014): *Is This Perfect Face In The Clouds For Real?*

The Week (November 2014): *The Science of Fear*

Vice (October 2015): *The Futility of Modern Fears*

Spectrum News (November 2015): *Rare glimpse of neurons refine understanding of the amygdala*

Swedish TV4 News (June 2016): *Hennes forskning kan lösa autismsens gåtor*

The Philadelphia Enquirer (June 2017): *Study: Overstimulation, not indifference, makes eye contact hard for people with autism*

Science Daily (June 2017): *Why do those with autism avoid eye contact.*

MedicalXpress (June 2017): *Researchers explore why those with autism avoid eye contact*

Science Alert (June 2017): *For Those With Autism, Eye Contact Isn't Just Weird, It's Distressing*

DoctorsLounge (June 2017): *Why People with Autism Avoid Eye Contact*

Sioux City Journal (June 2017): *Why People with Autism Avoid Eye Contact*

Harvard Medical School News (June 2017): *Ocular Overdrive*

The Mass General Research Institute Blog (June 2017): *More Than Meets the Eye: Researchers Find Eye Contact Causes Stress and Overactivation in the Brains of Autistic Individuals*

New York Magazine (July 2017): *Here is why Eye Contact Is So Awkward for Some People*

U.S. News and World Report (July 2017): *Why People With Autism Avoid Eye Contact*

The Huffington Post (August 2017): *Why Eye Contact Is So Distressing For People With Autism*

Massachusetts General Hospital Research Institute (October 2017): *Brain imaging studies provide new insights into biological basis of behaviors in schizophrenia and autism*

AutisMag (December 2017): *Can Your Child's Eye Movement Help You Visualize their Future Well-Being?*

Omaha Herald (October 2017): *Cooking up just the right scare*

Les Echos (France, March 2018): *Vers un premier traitement contre l'autisme?*

Tagesspiegel (Germany, June 2018): *Fatal Giant Waves in the head*