

Curriculum Vitae – Bogdan DRAGANSKI**Personal information**

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Date of birth: 06.01.1972

1. Current position(s)

- 2010-curr. Consultant neurology (médecin associé), Département des Neurosciences Cliniques, University hospital CHUV, Lausanne (CH)
- 2014-curr. Associate Professor, University of Lausanne, Lausanne (CH)
- 2010-curr. Director of the Laboratoire de Recherche en Neuroimagerie – DNC, CHUV
- 2016-curr. Director of the DNC Neuroimaging platform, CHUV
- 2013-curr. Co-leader of Neuro-sonography Unit, Neurology, DNC-CHUV

2. Education

- 2007 Specialist Clinical Neurology (Facharzt für Neurologie), Hamburg (D)
- 2001 MD (Human Medicine), Charité, Humboldt-University, Berlin (D)

3. Professional and academic experience

- 1999-2005 Residency in neurology – University Hospitals Regensburg and Hamburg (D)
- 2005-2008 Clinical research fellow, Wellcome Trust Centre for Neuroimaging, UCL, London (UK)
- 2008-2010 Senior research fellow in neuroimaging, Dpt. Cognitive Neurology, Max-Planck Institute, Leipzig (D)
- 2010-2014 Tenure-track Assistant Professor, University of Lausanne, Lausanne (CH)

4. Research projects as leading investigator

ROLE	FUNDING SOURCE	OWN AMOUNT	FUNDING PERIOD
Principal Investigator	InnoSuisse – HeadFirst (coordinator Dr A Ionescu EPFL)	119'000	09.2022 –08.2024
Principal Investigator	Swiss National Science Foundation – “Connecting properties of the micro- and macrovasculature from multimodal imaging through genetics and deep learning to better understand vascular pathomechanisms and predict disease risk” (Coordinator Pr S Bergmann UNIL)	377'000	08.2022 – 07.2026
Principal Investigator	ERA NET NEURON iSEE - Improving intracortical visual prostheses using complex coding and spontaneous activation states (coordinator Pr U Ernst (D))	180'000 CHF	10.2021 – 10.2024
Principal Investigator	Swiss National Science Foundation – “Urban living and cognition”	400'000 CHF	05. 2020 – 05.2024
Principal Investigator	Leenaards Foundation Scientific prize 2018	350'000 CHF	10. 2018 – 10.2022

Principal Investigator	Swiss National Science Foundation - SPARK	106'000 CHF	03. 2020 – 05.2021
Principal Investigator - MRI	Swiss National Science Foundation Longitudinal cohorts – nested project CoLaus PsyCoLaus	50'000 CHF	04. 2018 – 04.2021
Principal Investigator - MRI	Swiss Personalised Health Network SACR project (PI N Probst-Hensch)	180'000 CHF	01. 2019 – 01.2023
Principal Investigator - MRI	Swiss National Science Foundation Longitudinal cohorts – nested project CoLaus PsyCoLaus	50'000 CHF	10.2013 – 10.2018
Task leader	Human Brain Project – Medical Informatics - FP7 und Horizon 2020	240'000 CHF	04.2013 – 04.2016
Principal Investigator	Foundation Synapsis	150'000 CHF	10.2013 – 10.2016
Principal Investigator MRI	Synergia Swiss National Science Foundation (PI A Reymond)	40'000 CHF	12.2012 – 12.2013
Principal Investigator MRI	SPUM - Swiss National Science Foundation	350'000 CHF	10.2013 – 10.2016
Principal Investigator	Parkinson Swiss	110'000 CHF	10.2012 – 10.2015
Principal Investigator	Swiss National Science Foundation	375'000 CHF	06.2012 – 06.2015
Principal Investigator	Novartis Foundation for medico-biological research	50'000 CHF	05.2012 – 05.2015
Principal Investigator MRI	Swiss National Science Foundation - NCCR Synapsy	ca. 450'000 CHF	10.2010 – 10.2014
Principal Investigator MRI	KliFo - Deutsche Forschungsgemeinschaft	250'000 CHF	05.2011 – 05.2014
Principal Investigator	Swiss National Science Foundation	372'000 CHF	04.2016 – 04.2018
Co-applicant	Cooperation EU - Lithuania	30'000 CHF	01.2016 – 07.2016
Principal Investigator	MRI prospective motion correction - SNSF/UNIL	ca. 145'000 CHF	04.2015
Work package leader	Human Brain Project –Medical Informatics - FP7 und Horizon 2020	220'000 CHF	04.2016 – 04.2018
TOTAL		ca. 4'594'000 CHF	

5. Supervised PhD theses, important contribution to the career of scientists

Post-docs: Jürgen Dukart, Ettore Accolla, Borja Herreroz, Fabrizio Pizzagalli, Elisabeth Roggenhofer, Zsuzsanna Puspoki, Cristina Ramponi, Wiktor Olszowy, Giada Dirupo

PhD thesis supervision past: Sara Lorio, Renaud Marquis, David Slater, Lucien Gyger, Sandra Martin, Maya Jasztrebowska,

PhD thesis supervision current: Claudia Modenato, Valerie Beaud, Claire Grosu, Magdalena Kocia, Jonathan Sulc, Olga Trofimova

MD thesis supervision: Ladina Weitnauer, Francois Fenter, Alejandro Santos

Graduate students: Celine Gilioz, Claudia Modenato, Yanick Derighetti, Gaelle Weatherill, Fabian Hilti, Khadidja Bentkorbi, Evdokia Toumpouli, Ladina Weitnauer, Samuel Fresard, Simon Borgeaud, Marilou Dosso, Francois Fenter, Shi Xinyi, Elisa Lassagne, Louisa Tabiche, Clara Nguyen

SNF AMBIZIONE fellowship host: Ann-Marie Glaso de Lange

SNF postdocMobility return: Aurelie Manuel-Stocker; Ahmed Abdulkadir

Swiss Government Excellence Fellowships: Katerina Gaberova, PeiLei Tan

6. Prizes, fellowships, distinguished memberships

Leenaards Foundation Scientific prize 2018

2019-curr. Member of the German Sociate for Psychiatry, Psychotherapy and Psychosomatic – DGPPN

2019-curr. Member of the Swiss Society for Neurology - SSN

2013-curr. Member of the Swiss Society for Clinical Neurophysiology - SGKN

2011-curr Member of the Human Brain Mapping Organisation

2022-curr Member (invited) of the Academia Europaea

7. Governing activities

Current Chair Neuroimaging platform safety committee, DNC-CHUV

Current Chair Neuroimaging platform technical committee, DNC-CHUV

8. Organisation of conferences

2013	Organising committee FENS summer school, September 02-06, Lausanne
2016	Organising committee Human Brain Mapping conference, June 21 - 25, Geneva
Sep 3, 2020	Jeudi de Vaudoise, CHUV-Lausanne
Sep 24, 2020	Style de vie et AVC: State of the Art, CHUV-Lausanne
Jan & Mai 2021	BrainFit4Life round table sessions – online
Jun 21-25, 2021	Annual conference Human Brain Mapping – Symposium “Quantitative MRI”
Sep 4-7, 2021	Annual conference European Brain and Behavioural Society, Symposium “Brain imaging in psychiatry”
2021	Scientific committee annual National Dementia conference, April 24, online
2021	Scientific committee annual SSN conference, November, Interlaken

9. Outreach

I am one of the three founding members of the grassroots initiative advocating for public awareness about dementia in Switzerland – BrainFit4Life (www.bebrainfit4life.com) that succeeded to attract at its 1st symposium ca. 200 signed participants and many ambassadors – leaders in their field of research.

In September 2019 I obtained funding and organised the 5th MRBalkan conference (www.mrbalkan.org) in Sofia, Bulgaria, including funding and organising the scientific programme with researchers from the UK, Austria, Germany, Canada, Greece, USA, Switzerland and Bulgaria.

Together with Pr Patrik Michel and Pr Lorenz Hirt, I am the co-organiser of the Annual Symposium of the Cerebro-vascular Centre, Neurology – DNC, CHUV.

I also present on a regular basis results of my scientific work to the general public in ex cathedra presentations (“Semaine du cerveau Lausanne” 2013 and 2015, “Séance d’information – Parkinson Suisse”), on TV (RTS programme 36.9°; SRF Gesundheit heute), radio (RTS programme CQFD) and in the press (Le Temps, 24 heures, Migros magazine).

Research Output of the Last Five Years

Overall Impact [Google Scholar, July 2022]: h-index: **54**, number citations – **16057**; [Scopus, July 2022]: h-index: **47**, number citations – **10558**, average citation pp – **61.9**; [iCite, July 2022] **RCR 3.26**

Link to publication list:

<https://applicationspub.unil.ch/interpub/noauth/php/Un/UnPers.php?PerNum=1106357&LanCode=8&menu=pub>

1. Publications in international peer-reviewed scientific journals

1. Sulc J, Sonrel A, Mounier N, Auwerx C, Marouli E, Darrous L, **Draganski B**, Kilpeläinen TO, Joshi P, Loos RJF, Kutalik Z. Composite trait Mendelian randomization reveals distinct metabolic and lifestyle consequences of differences in body shape. *Commun Biol.* **2021** Sep 13;4(1):1064. doi: 10.1038/s42003-021-02550-y
2. Modenato C, Martin-Brevet S, Moreau CA, Rodriguez-Herreros B, Kumar K, **Draganski B**, Sønderby IE, Jacquemont S. Lessons Learned From Neuroimaging Studies of Copy Number Variants: A Systematic Review. *Biol Psychiatry.* **2021** Jun 15:S0006-3223(21)01394-9. doi: 10.1016/j.biopsych.2021.05.028.
3. Sanabria-Diaz G, Demonet JF, Rodriguez-Herreros B, **Draganski B**, Kherif F, Melie-Garcia L. Apolipoprotein E allele 4 effects on Single-Subject Gray Matter Networks in Mild Cognitive Impairment. *Neuroimage Clin.* **2021** Aug 24;32:102799. doi: 10.1016/j.nicl.2021.102799
4. Modenato C, Kumar K, Moreau C, Martin-Brevet S, Huguet G, Schramm C, Jean-Louis M, Martin CO, Younis N, Tamer P, Douard E, Thébault-Dagher F, Côté V, Charlebois AR, Deguire F, Maillard AM, Rodriguez-Herreros B, Pain A, Richetin S; 16p11.2 European Consortium; Simons Searchlight Consortium, Melie-Garcia L, Kushan L, Silva AI, van den Bree MBM, Linden DEJ, Owen MJ, Hall J, Lippé S, Chakravarty M, Bzdok D, Bearden CE, **Draganski B***, Jacquemont S*. Effects of eight neuropsychiatric copy number variants on human brain structure. *Transl Psychiatry.* **2021** Jul 20;11(1):399. doi: 10.1038/s41398-021-01490-9; *equal contribution
5. Jastrzębowska MA, Chicherov V, **Draganski B**, Herzog MH. Unraveling brain interactions in vision: The example of crowding. *Neuroimage.* **2021** Oct 15;240:118390. doi: 10.1016/j.neuroimage.2021.118390.
6. Molendowska M, Matuszewski J, Kossowski B, Bola Ł, Banaszekiewicz A, Paplińska M, Jednoróg K, **Draganski B**, Marchewka A. Temporal Dynamics of Brain White Matter Plasticity in Sighted Subjects during Tactile Braille Learning: A Longitudinal Diffusion Tensor Imaging Study. *J Neurosci.* **2021** Aug 18;41(33):7076-7085. doi: 10.1523/JNEUROSCI.2242-20.2021.
7. Gyger L, Ramponi C, Mall JF, Swierkocz-Lenart K, Stoyanov D, Lutti A, von Gunten A, Kherif F, **Draganski B**. Temporal trajectory of brain tissue property changes induced by electroconvulsive therapy. *Neuroimage.* 2021 Feb 19;232:117895. doi: 10.1016/j.neuroimage.2021.117895. Epub ahead of print. PMID: 33617994.
8. Gyger L, Regen F, Ramponi C, Marquis R, Mall JF, Swierkocz-Lenart K, von Gunten A, Toni N, Kherif F, Heuser F and Draganski B. Gradient of electro-convulsive therapy's antidepressant effects along the longitudinal hippocampal axis, *Transl Psychiatry.* 2021 Mar 29;11(1):191. doi: 10.1038/s41398-021-01310-0
9. Trofimova O., Loued-Khenissi L, DiDomenicantonio G., Lutti A., Kliegel M., Stringhini S., Marques-Vidal P., Vollenweider P., Waeber G., Preisig M, Kherif, F., **Draganski, B.** Brain tissue properties link cardio-vascular risk factors, mood and cognitive performance in the CoLausPsyCoLaus epidemiological cohort *Neurobiology of Aging*, 2021, 102, pp. 50–63, doi: 10.1016/j.neurobiolaging.2021.02.002.
10. Sønderby IE, Ching CRK, Thomopoulos SI, van der Meer D, Sun D, Villalon-Reina JE, Agartz I, Amunts K, Arango C, Armstrong NJ, Ayasa-Arriola R, Bakker G, Bassett AS, Boomsma DI, Bülow R, Butcher NJ, Calhoun VD, Caspers S, Chow EWC, Cichon S, Ciufolini S, Craig MC, Crespo-Facorro B, Cunningham AC, Dale AM, Dazzan P, de Zubicaray GI, Djurovic S, Doherty JL, Donohoe G, **Draganski B**, Durdle CA, Ehrlich S, Emanuel BS, Espeseth T, Fisher SE, Ge T, Glahn DC, Grabe HJ, Gur RE, Gutman BA, Haavik J, Håberg AK, Hansen LA, Hashimoto R, Hibar DP, Holmes AJ, Hottenga JJ, Hulshoff Pol HE, Jalbrzikowski M, Knowles EEM, Kushan L, Linden DEJ, Liu J, Lundervold AJ, Martin-Brevet S, Martínez K, Mather KA, Mathias SR, McDonald-McGinn DM, McRae AF, Medland SE, Moberget T, Modenato C, Monereo Sánchez J, Moreau CA, Mühleisen TW, Paus T, Pausova Z, Prieto C, Ragothaman A, Reinbold CS, Reis Marques T, Repetto GM, Reymond A, Roalf DR, Rodriguez-Herreros B, Rucker JJ, Sachdev PS, Schmitt JE, Schofield PR, Silva AI, Stefansson H, Stein DJ, Tamnes CK, Tordesillas-Gutiérrez D, Ulfarsson MO, Vajdi A, van 't Ent D, van den Bree MBM, Vassos E, Vázquez-Bourgon J, Vila-

- Rodriguez F, Walters GB, Wen W, Westlye LT, Wittfeld K, Zackai EH, Stefánsson K, Jacquemont S, Thompson PM, Bearden CE, Andreassen OA; ENIGMA-CNV Working Group; ENIGMA 22q11.2 Deletion Syndrome Working Group. Effects of copy number variations on brain structure and risk for psychiatric illness: Large-scale studies from the ENIGMA working groups on CNVs. *Hum Brain Mapp.* 2021 Feb 21. doi: 10.1002/hbm.25354. Epub ahead of print. PMID: 33615640.
11. Weitnauer L, Frisch S, Melie-Garcia L, Preisig M, Schroeter ML, Sajfutdinow I, Kherif F, **Draganski B**. Mapping grip force to motor networks. *Neuroimage.* 2021 Jan 14;229:117735. doi: 10.1016/j.neuroimage.2021.117735. PMID: 33454401.
 12. Sanabria-Diaz G, Melie-Garcia L, **Draganski B**, Demonet JF, Kherif F. Apolipoprotein E4 effects on topological brain network organization in mild cognitive impairment. *Sci Rep.* 2021 Jan 12;11(1):845. doi: 10.1038/s41598-020-80909-7. PMID: 33436948; PMCID: PMC7804004.
 13. Künzi M, Joly-Burra E, Zuber S, Haas M, Tinello D, Da Silva Coelho C, Hering A, Ihle A, Laera G, Miknevičute G, Stringhini S, **Draganski B**, Kliegel M, Ballhausen N. The Relationship between Life Course Socioeconomic Conditions and Objective and Subjective Memory in Older Age. *Brain Sci.* 2021 Jan 6;11(1):61. doi: 10.3390/brainsci11010061. PMID: 33418943; PMCID: PMC7825056.
 14. Matuszewski J, Kossowski B, Bola Ł, Banaszkiwicz A, Paplińska M, Gyger L, Kherif F, Szwed M, Frackowiak RS, Jednoróg K, Draganski B, Marchewka A. Brain plasticity dynamics during tactile Braille learning in sighted subjects: Multi-contrast MRI approach. *Neuroimage.* 2021 Feb 15;227:117613. doi: 10.1016/j.neuroimage.2020.117613. Epub 2020 Dec 8. PMID: 33307223.
 15. Baratali L, Major K, Rouaud O, Draganski B. Troubles neurocognitifs chez les personnes âgées avec maladie oncologique [Cancer-related cognitive impairment in older adults]. *Rev Med Suisse.* 2020 Nov 11;16(714):2172-2175. French. PMID: 33174700.
 16. **Draganski, B**, Kherif, F, Damian, D, Demonet, J.-F. A Nation-Wide Initiative for Brain Imaging and Clinical Phenotype Data Federation in Swiss University Memory Centres. *Current opinion in neurology* **2019**, 32 4, 557–563.
 17. Roggenhofer E, Muller S, Santarnecchi E, Melie-Garcia L, Wiest R, Kherif F, **Draganski B**. Remodeling of brain morphology in temporal lobe epilepsy. *Brain Behav.* 2020 Sep 17:e01825. doi: 10.1002/brb3.1825.
 18. Rajewsky N, Almouzni G, Gorski SA, Aerts S, Amit I, Bertero MG, Bock C, Bredenoord AL, Cavalli G, Chiocca S, Clevers H, De Strooper B, Eggert A, Ellenberg J, Fernández XM, Figlerowicz M, Gasser SM, Hubner N, Kijems J, Knoblich JA, Krabbe G, Lichter P, Linnarsson S, Marine JC, Marioni J, Marti-Renom MA, Netea MG, Nickel D, Nollmann M, Novak HR, Parkinson H, Piccolo S, Pinheiro I, Pombo A, Popp C, Reik W, Roman-Roman S, Rosenstiel P, Schultze JL, Stegle O, Tanay A, Testa G, Thanos D, Theis FJ, Torres-Padilla ME, Valencia A, Vallot C, van Oudenaarden A, Vidal M, Voet T; LifeTime and improving European healthcare through cell-based interceptive medicine. *LifeTime Community. Nature.* 2020 Sep 7. doi: 10.1038/s41586-020-2715-9.
 19. Jeong A, Bochud M, Cattin P, Dermitzakis M, **Draganski B**, Papassotiropoulos A, Preisig M, Stieltjes B, Vollenweider P, Probst-Hensch N. SPHN - The Swiss Aging Citizen Reference SACR. *Stud Health Technol Inform.* 2020 Jun 16;270:1168-1169. doi: 10.3233/SHTI200347.
 20. Kramer U, Grandjean L, Beuchat H, Kolly S, Conus P, de Roten Y, **Draganski B**, Despland Mechanisms of change in brief treatments for borderline personality disorder: a protocol of a randomized controlled trial. *JN.Trials.* 2020 Apr 16;211:335. doi: 10.1186/s13063-020-4229-z
 21. Marchi NA, Ramponi C, Hirotsu C, Haba-Rubio J, Lutti A, Preisig M, Marques-Vidal P, Vollenweider P, Kherif F, Heinzer R, **Draganski B**. Mean Oxygen Saturation during Sleep Is Related to Specific Brain Atrophy Pattern. *Ann Neurol.* 2020 Jun;876:921-930. doi: 10.1002/ana.25728.
 22. Muller S, Dauey K, Ruef A, Lorio S, Eskandari A, Schneider L, Beaud V, Roggenhofer E, **Draganski B**, Michel P, Kherif F. Neuro-Clinical Signatures of Language Impairments after Acute Stroke: A VBQ Analysis of Quantitative Native CT Scans. *Curr Top Med Chem.* 2020;209:792-799.
 23. Grandjean, L, Beuchat, H, Gyger, L, Roten, Y, Despland, J.-N. **Draganski, B**, Kramer, U. Integrating Core Conflictual Relationship Themes in Neurobiological Assessment of Interpersonal Processes in Psychotherapy. *Counselling and Psychotherapy Research* **2020**, 20 3, 488–496. <https://doi.org/10.1002/capr.12294>.
 24. Taubert, M, Roggenhofer, E, Melie-Garcia, L, Muller, S, Lehmann, N, Preisig, M, Vollenweider, P, Marques-Vidal, P, Lutti, A, Kherif, F. **Draganski, B**. Converging Patterns of Aging-Associated Brain Volume Loss and Tissue Microstructure Differences. 2020/04. *Neurobiology of aging*, 88 pp. 108-118.
 25. Sulc, J. A. Sonrel, A. Mounier, N. Auwerx, C. Marouli, E. Darrous, L. **Draganski, B**. Kilpeläinen, T. O. Joshi, P. K. Loos, R.

- Kutalik, Z. Composite Trait Mendelian Randomization Reveals Distinct Metabolic and Lifestyle Consequences of Differences in Body Shape 2020. <https://doi.org/10.1101/2020.09.03.20187567>.
26. Tabelow, K. Balteau, E. Ashburner, J. Callaghan, M. F. **Draganski, B.** Helms, G. Kherif, F. Leutritz, T. Lutti, A. Phillips, C. Reimer, E. Ruthotto, L. Seif, M. Weiskopf, N. Ziegler, G. Mohammadi, S. HMRI A Toolbox for Quantitative MRI in Neuroscience and Clinical Research. *NeuroImage* **2019**, *194*, 191–210.
 27. Slater, D. A. Melie-Garcia, L. Preisig, M. Kherif, F. Lutti, A. **Draganski, B.** Evolution of White Matter Tract Microstructure across the Life Span. *Human Brain Mapping* **2019**, *40* 7, 2252–2268.
 28. Sonderby, I. E. Gústafsson, O. Doan, N. T. Hibar, D. P. Martin-Brevet, S. Abdellaoui, A. Ames, D. Amunts, K. Andersson, M. Armstrong, N. J. Bernard, M. Blackburn, N. Blangero, J. Boomsma, D. I. Bralten, J. Brattbak, H.-R. Brodaty, H. Brouwer, R. M. Bülow, R. Calhoun, V. Caspers, S. Cavalleri, G. Chen, C.-H. Cichon, S. Ciufolini, S. Corvin, A. Crespo-Facorro, B. Curran, J. E. Dale, A. M. Dalvie, S. Dazzan, P. de Geus, E. J. C. de Zubicaray, G. I. de Zwarte, S. M. C. Delanty, N. den Braber, A. Desrivières, S. Donohoe, G. **Draganski, B.** Ehrlich, S. Espeseth, T. Fisher, S. E. Franke, B. Frouin, V. Fukunaga, M. Gareau, T. Glahn, D. C. Grabe, H. Groenewold, N. A. Haavik, J. Haberg, A. Hashimoto, R. Hehir-Kwa, J. Y. Heinz, A. Hillegers, M. H. J. Hoffmann, P. Holleran, L. Hottenga, J.-J. Hulshoff, H. E. Ikeda, M. Jahanshad, N. Jernigan, T. Jockwitz, C. Johansson, S. Jonsdottir, G. A. Jönsson, E. G. Kahn, R. Kaufmann, T. Kelly, S. Kikuchi, M. Knowles, E. E. M. Kolsk?r, K. K. Kwok, J. B. Hellard, S. L. Leu, C. Liu, J. Lundervold, A. J. Lundervold, A. Martin, N. G. Mather, K. Mathias, S. R. McCormack, M. McMahon, K. L. McRae, A. Milaneschi, Y. Moreau, C. Morris, D. Mothersill, D. Mühleisen, T. W. Murray, R. Nordvik, J. E. Nyberg, L. Olde Loohuis, L. M. Ophoff, R. Paus, T. Pausova, Z. Penninx, B. Peralta, J. M. Pike, B. Prieto, C. Pudas, S. Quinlan, E. Quintana, D. S. Reinbold, C. S. Marques, T. R. Reymond, A. Richard, G. Rodriguez-Herreros, B. Roiz-Santiañez, R. Rokicki, J. Rucker, J. Sachdev, P. Sanders, A.-M. Sando, S. B. Schmaal, L. Schofield, P. R. Schork, A. J. Schumann, G. Shin, J. Shumskaya, E. Sisodiya, S. Steen, V. M. Stein, D. J. Steinberg, S. Strike, L. Teumer, A. Thalamuthu, A. Tordesillas-Gutierrez, D. Turner, J. Ueland, T. Uhlmann, A. Ulfarsson, M. O. van ?t Ent, D. van der Meer, D. van Haren, N. E. M. Vaskinn, A. Vassos, E. Walters, G. B. Wang, Y. Wen, W. Whelan, C. D. Wittfeld, K. Wright, M. Yamamori, H. Zayats, T. Agartz, I. Westlye, L. T. Jacquemont, S. Djurovic, S. Stefánsson, H. Stefánsson, K. Thompson, P. Andreassen, O. A. 2020 Mar;253:692-695 *Molecular Psychiatry* **2019**.
 29. Roggenhofer, E. Santarnecchi, E. Muller, S. Kherif, F. Wiest, R. Seeck, M. **Draganski, B.** Trajectories of Brain Remodeling in Temporal Lobe Epilepsy. *Journal of Neurology* **2019**, *266* 12, 3150–3159.
 30. Marquis, R. Muller, S. Lorio, S. Rodriguez-Herreros, B. Melie-Garcia, L. Kherif, F. Lutti, A. **Draganski, B.** Spatial Resolution and Imaging Encoding Fmri Settings for Optimal Cortical and Subcortical Motor Somatotopy in the Human Brain. *Frontiers in Neuroscience* **2019**, *13* JUN.
 31. Jastrzebowska, M. A. Marquis, R. Melie-García, L. Lutti, A. Kherif, F. Herzog, M. H. **Draganski, B.** Dopaminergic Modulation of Motor Network Compensatory Mechanisms in Parkinson's Disease. *Human Brain Mapping* **2019**.
 32. Cárdenas-de-la-Parra, A. Martin-Brevet, S. Moreau, C. Rodriguez-Herreros, B. Fonov, V. S. Maillard, A. M. Zürcher, N. R. Marie-Claude, A. Joris, A. Benoît, A. Geneviève, B. Frédérique, S.-B. Marco, B. Dominique, B. Sonia, B. Odile, B. Alfredo, B. Tiffany, B. Jean-Hubert, C. Dominique, C. Vanessa, C. Marie-Pierre, C. Albert, D. Francois-Guillaume, D. Marie-Ange, D. Martine, D.-F. Ulrike, D.-H. Patrick, E. Christina, F. Laurence, F. Francesca, F. David, G. Marion, G. Daniela, G. Agnès, G. Olivier, G. Delphine, H. Bertrand, I. Aurélia, J. Sylvie, J. Hubert, J. Boris, K. Didier, L. Sébastien, L. Cédric, L. C. Marie-Pierre, L. James, L. Michèle, M.-D. Sandra, M. Cyril, M. Chantal, M. Florence, P. Kristina, P. S. Lucile, P. Ghislaine, P. Fabienne, P. Caroline, R.-T. Massimiliano, R. Damien, S. Britta, S. K. Caroline, S.-B. Marianne, T. Mieke, V. H. Lionel, V. M. Hadjikhani, N. Beckmann, J. S. Reymond, A. **Draganski, B.** Jacquemont, S. Collins, D. L. Developmental Trajectories of Neuroanatomical Alterations Associated with the 16p11.2 Copy Number Variations. *NeuroImage* **2019**, *203*.
 33. Callaghan, M. F. Lutti, A. Ashburner, J. Balteau, E. Corbin, N. **Draganski, B.** Helms, G. Kherif, F. Leutritz, T. Mohammadi, S. Phillips, C. Reimer, E. Ruthotto, L. Seif, M. Tabelow, K. Ziegler, G. Weiskopf, N. Example Dataset for the HMRI Toolbox. *Data in Brief* **2019**, *25*.
 34. Melie-Garcia, L. **Draganski, B.** Ashburner, J. Kherif, F. Multiple Linear Regression: Bayesian Inference for Distributed and Big Data in the Medical Informatics Platform of the Human Brain Project. **2018**. <https://doi.org/10.1101/242883>.
 35. Melie-Garcia, L. Slater, D. Ruef, A. Sanabria-Diaz, G. Preisig, M. Kherif, F. **Draganski, B.** Lutti, A. Networks of Myelin Covariance. *Human Brain Mapping* **2018**, *39* 4, 1532–1554.
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2. Peer-reviewed books/monographs

None

3. Peer-reviewed conference papers

1. Hippolyte, Loyses; Anne, M. Maillard; Rodriguez-Herreros, Borja; Pain, Aurelie; Martin-Brevet, Sandra; Conus, Philippe; Mace, Aurelien; Mannik, Katrin; Mottron, Laurent; Ramus, Franck; Beckmann, Jacques S.; **Draganski B**; Reymond, Alexandre; Jacquemont, Sebastien. The number of genomic copies at the 16p11.2 locus modulate language, verbal memory and inhibition: 16p11.2 European Consortium, EUROPEAN NEUROPSYCHOPHARMACOLOGY, OCT 2017, 2017 27 2 S161-S162; 23rd Annual World Congress of Psychiatric Genetics (WCPG) OCT 16-20, 2015
2. Lambert, C.; Lutti, A.; **Draganski, B.**; Foltynie, T. Detecting brainstem changes in Parkinson's disease using quantitative MRI: MOVEMENT DISORDERS JUN 2016, 2016 31 2 - S430 - S432 20th International Congress of Parkinson's Disease and Movement Disorders JUN 19-23, 2016
3. Maya Jastrzebowska, Vitaly Chicherov, **Bogdan Draganski**, Michael Herzog: Un-crowding affects cortical activation in V1 differently from LOC. *Journal of Vision* 08/2017; 17(10):368., DOI:10.1167/17.10.368
4. Modenato, C.; Pain, A.; Martin-Brevet, S.; Maillard, A.; Rodriguez-Herreros, B.; Richetin, S.; Jacquemont, S.; **Draganski, B.** The impact of 1q21.1 copy number variant on brain anatomy. EUROPEAN NEUROPSYCHOPHARMACOLOGY; MAR 2018 2018; 28 1 S75 - S76 10.1016/j.euroneuro.2017.12.109; European-College-of-Neuropsychopharmacology Workshop for Junior Scientists in Europe MAR 15-18, 2017
5. Mannik, K.; Lepamets, M.; Martin-Brevet, S.; Laisk-Podar, T.; Metspalu, A.; Lindgren, C. M.; Jacquemont, S.; **Draganski, B.**; Magi, R.; Reymond, A. Large population cohorts reveal unrecognized adult traits of the 16p11.2 CNV syndromes: 16p11.2 European Consortium; Simons VIP Consortium EUROPEAN JOURNAL OF HUMAN GENETICS, OCT 2018, 2018 26 S115-116 50th European-Society-of-Human-Genetics (ESHG) Conference MAY 27-30, 2017

6. Roggenhofer, E.; Muller, S.; Santarnecchi, E.; Melie-Garcia, L.; Wiest, R.; Kherif, F.; **Draganski, B.** Remodeling of morphology in temporal lobe epilepsy: EUROPEAN JOURNAL OF NEUROLOGY; JUN 2018, 2018 25 -2, SI 498-498, 4th Congress of the European-Academy-of-Neurology (EAN) JUN 16-19, 2018
7. Hottinger, Andreas; Lutti, Antoine; Dupuis, Estelle; De Micheli, Rita; **Draganski, Bogdan.** The impact of tumor treating fields (ttfields) on brain anatomy using computational anatomy analysis: NEURO-ONCOLOGY NOV 2018, 2018 20-6, 183-183 23rd Annual Scientific Meeting and Education Day of the Society-for-Neuro-Oncology (SNO) / 3rd CNS Anticancer Drug Discovery and Development Conference, NOV 14-18, 2018
8. Mannik, K.; Lepamets, M.; Mikhaleva, A.; Lepik, K.; Kupchinsky, Z.; Ademi, H.; Arbogast, T.; Messina, A.; Rotman, S.; Dubruc, E.; Chrast, J.; Martin-Brevet, S.; Laisk-Podar, T.; Herault, Y.; Lindgren, C. M.; Kutalik, Z.; Stehle, J. C.; Katsanis, N.; Nef, S.; **Draganski, B.**; Davis, E. E.; Magi, R.; Raymond, A., The neurodevelopmental 16p11.2 CNVs have, as yet overlooked, mirror effect on sexual development in humans and animal models: 16p11.2 European Consortium; Simons VIP Consortium; eQTLGen Consortium; EUROPEAN JOURNAL OF HUMAN GENETICS JUL 2019, 2019; 27-1, 836-837, 51st Conference of the European-Society-of-Human-Genetics (ESHG) in conjunction with the European Meeting on Psychosocial Aspects of Genetics (EMPAG), JUN 16-19, 2018
9. Roggenhofer, E.; Muller, S.; Santarnecchi, E.; Melie-Garcia, L.; Wiest, R.; Kherif, F.; **Draganski, B.** Predictive Morphological Reorganization In Temporal Lobe Epilepsy: EPILEPSIA NOV 2019, 2019; 60-2, 176-176, 33rd International Epilepsy Congress, JUN 22-26, 2019
10. Modenato, Claudia; Kumar, Kuldeep; Moreau, Clara; Gagnon, Eloi; Schramm, Catherine; Huguet, Guillaume; Martin-Brevet, Sandra; Pain, Aurelie; Maillard, Anne; Richetin, Sonia; Rodriguez-Herreros, Borja; Melie-Garcia, Lester; Bearden, Carrie Elyse; **Draganski, Bogdan**; Jacquemont, Sebastien; The impact of copy number variants on brain morphometry: EUROPEAN NEUROPSYCHOPHARMACOLOGY, OCT 2019; 2019 29 - 5, S196-S197; 10.1016/j.euroneuro.2019.08.157. 27th World Congress of Psychiatric Genetics (WCPG), OCT 26-31, 2019
11. Avvenuti, G.; Cataldi, J.; Leo, A.; Cecchetti, L.; Lutti, A.; **Draganski, B.**; Siclari, F.; Bernardi, G. Greater cortical thickness in the occipital cortex is associated with larger slow wave amplitude and stronger cortical involvement in centro-frontal brain areas: JOURNAL OF SLEEP RESEARCH; SEP 2020, 2020 29-1; SI 158-159; 25th Congress of the European-Sleep-Research-Society (ESRS) SEP 22-24, 2020

4. Contributions to books

1. **Bogdan Draganski** et al. Le Grand Atlas du Cerveau, 2018 Le Monde (Eds)
2. **Bogdan Draganski** and Antonia Thelen. Ontogenese und Plastizität des Gehirns in *Entwicklungspsychologie* (Oerter & Montada), Lindenberger U and Schneider W (Eds), 2018; Beltz Verlagsgruppe, Weinheim, Germany
3. Markus Christen, Josep Domingo-Ferrer, **Bogdan Draganski**, Tade Spranger, Henrik Walter: On the Compatibility of Big Data Driven Research and Informed Consent: The Example of the Human Brain Project. The Ethics of Biomedical Big Data, 08/2016: pages 199-218; , ISBN: 978-3-319-33523-0, DOI:10.1007/978-3-319-33525-4_9

5. Patents and licenses

None

6. Oral contributions to international conferences (since 2016)

EVENT	DATE
Invited speaker 1 st BrainFit4Life Symposium - "Large-scale studies in the aging general population"	October 13, 2020
Invited speaker Martinos centre Harvard University, Boston - USA, "BrainMap" seminars - "Imaging the "plastic" brain - between myths and science"	September 23, 2020
Keynote speaker RATIO scientific event, Sofia Bulgaria "Memory full" - "Measuring human episodic memory"	February 11, 2020

Invited speaker iNEW Swiss Neurofoundation event, Zurich- "Large-scale brain studies in the ageing population"	February 05-07, 2020
Invited speaker DGPPN annual congress Berlin, Germany "Impact of CNVs on microstructure property gradients in human basal ganglia"	November 27-30, 2019
Keynote speaker Golden Drum Festival, Potoroz Slovenia "A different look on creativity – a neuroscience perspective"	October 14, 2019
Keynote speaker 5 th MRBalkan meeting, Sofia, Bulgaria "Computational anatomy"	September 11-13, 2019
Invited speaker SGS annual meeting, Fribourg "Physical activity and brain health"	February 14-15, 2019
Invited speaker QuadriMed annual meeting, Crans Montana "Etudes de plasticité du cerveau par l'IRM"	February 02, 2019
Keynote speaker Catholic University Event, Melbourne, Australia "The plastic human brain"	November 19, 2018
Invited speaker Alpine chapter OHBM – Innsbruck, Austria "Large-scale studies of brain tissue properties in ageing"	November 9, 2018
Invited speaker Blue Brain Project Neuroscience Outreach Event, Geneva "Neural plasticity – the quest for brain's fountain of youth"	October 12, 2018
Invited speaker GEMRIC workshop Bergen, Norway "Voxel-based morphometry – useful extensions"	September 16-18, 2018
Invited speaker 8th International Kidney.ch Symposium Bern, "Brain health across the lifespan - insights from a large-scale cohort"	September 6, 2018
Invited speaker 10 th Swiss Movement Disorders Symposium, Luzern – "Brain imaging in movement disorders – current practice and what to expect from the future"	August 30-31 2018
Invited speaker Brain Meeting - Wellcome Trust Centre for Neuroimaging, UCL – London, UK "Neural plasticity – the quest for brain's green matter"	March 23, 2018
Invited speaker to the Human Brain Project young academics event, Sofia, Bulgaria – "The Medical Informatics Platform"	April 18 2018

7. Outreach activities (e.g. public engagement in science, technology and knowledge transfer activities, scientific art performances, etc.)

I am one of the three founding members of the grassroots initiative advocating for public awareness about dementia in Switzerland – BrainFit4Life (www.brainfit4life.com) that succeeded to attract at its 1st symposium ca. 200 signed participants and many ambassadors – leaders in their field of research.

In September 2019 I obtained funding and organised the 5th MRBalkan conference (www.mrbalkan.org) in Sofia, Bulgaria, including funding and organising the scientific programme with researchers from the UK, Austria, Germany, Canada, Greece, USA, Switzerland and Bulgaria.

Together with Pr Patrik Michel and Pr Lorenz Hirt, I am the co-organiser of the Annual Symposium of the Cerebro-vascular Centre, Neurology – DNC, CHUV.

I also present on a regular basis results of my scientific work to the general public in ex cathedra presentations ("Semaine du cerveau Lausanne" 2013 and 2015, "Séance d'information – Parkinson Suisse"), on TV (RTS programme 36.9°; SRF Gesundheit heute), radio (RTS programme CQFD) and in the press (Le Temps, 24 heures, Migros magazine).

8. General contributions to science (e.g. spokesperson for international experiments, leader of international expeditions, founder of international networks and training programmes, etc.)

None

9. Other artefacts with documented use (e.g. maps, methods, prototype demos, software, databases, design, arXiv-articles, contributions to big data collaborations, etc.).

BD participated in the integration of clinical neurosciences and informatics into the preparation of the "Human Brain Project" and as Medical Informatics Platform work package leader in the initial phase of the project.

BD is the Principal Investigator of the MRI data acquisition project CoLaus-PsyCoLaus (<http://www.colaus-psycolaus.ch>) - a longitudinal cohort study supported by the Swiss National Science Foundation that collected high-quality MRI data in >1500 CoLaus/PsyCoLaus participants.

BD is the Principal Investigator of the MRI data acquisition project within the SPHN driver project SACR- a Swiss Ageing Citizen Reference cohort.

BD is the first author of SPMs VBO toolbox for processing of MRI parametric maps, which is currently under distributed under the name hMRI toolbox - www.hmri.info

BD is the senior author of a publication validating enhanced tissue priors for subcortical structures of the human brain, which are freely available to all researchers - <https://www.unil.ch/lren/home/menuinst/teaching--utilities/data--utilities.html>