

## Publications of the Research Collaboration “Psychiatric Neurosurgery - Ethical, legal and societal issues”

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### Journal papers

- **Bittlinger M:** The patient's voice in DBS research: advancing the discussion through methodological rigor. *AJOB Neuroscience* 2017, 8(2): 118-120
- **Cabrera LY, Bittlinger M, Lou H, Müller S, Illes J:** The re-emergence of psychiatric neurosurgery: insights from a cross-national study of media coverage. *Acta Neurochirurgica* 2017, 160(3): 625-635
- Christen M, **Müller S:** Editorial: The clinical and ethical practice of neuromodulation – Deep brain stimulation and beyond. *Frontiers in Integrative Neuroscience* 2017, Vol. 11, Article 32
- Cibis ML, Wackerhagen C, **Müller S**, Lang UE, Schmidt Y, Heinz A: Vergleichende Betrachtung von Aggressivität, Zwangsmedikation und Entweichungsraten zwischen offener und geschlossener Türpolitik auf einer Akutstation. *Psychiatrische Praxis* 2016, 43: 1-6
- Gilbert F, Cook M, O'Brien, **Illes J:** Embodiment and estrangement: Results from a first-in-human "Intelligent BCI" trial. *Science and Engineering Ethics* 2017, doi: 10.1007/s11948-017-0001-5
- **Müller S, Bittlinger M**, Walter H: Threats to neurosurgical patients posed by the personal identity debate. *Neuroethics* 2017, 10: 299-310
- **Müller S**, Riedmüller R: Impact of the mild encephalitis hypothesis on the stigmatization of patients with schizophrenia. *Frontiers in Psychiatry* 2017, 8, Article 67
- **Müller S:** Odysseus-Verfügungen mit besonderer Berücksichtigung der Tiefen Hirnstimulation. *Pro. Ethik in der Medizin* 2016, 28(3): 255-258
- **Müller S:** Respect for autonomy in light of neuropsychiatry. *Bioethics* 2017, 31(5): 360-367
- **Müller S:** Moral Enhancement durch Neurochirurgie? Machbarkeit und ethische Vertretbarkeit. *Ethik in der Medizin* 2018, 30(1): 39-56

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- Racine E, Dubljevic V, Jox RJ, Baertschi B, Christensen JF, Farisco M, Jotterand F, Kahane G, **Müller S**: Can neuroscience contribute to practical ethics? A critical review and discussion of the methodological and translational challenges of the neuroscience of ethics. *Bioethics* 2017, 31(5): 328-337
- Riedmüller R, **Müller S**: Ethical issues of the mild encephalitis hypothesis of schizophrenia. *Frontiers in Psychiatry* 2017, 8, Article 38
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- **Spranger TM**: Die Willenserklärung bei lebenserhaltenden Maßnahmen, Vorsorgevollmacht, Patienten- und Odysseus-Verfügungen. *Sozialrecht und Praxis* 27 (2017) 9, 595-601
- Steinert T, Heinz A, **Müller S**, Hohl-Radke F, Müller J, Zinkler M: Grundfragen zum Verständnis psychischer Erkrankungen. *Deutsches Ärzteblatt* 2016, 113(26): A 1252-1253
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- Viaña JN, **Bittlinger M**, Gilbert F: Ethical considerations for DBS trials in patients with EOAD. *Journal of Alzheimer's Disease* 2017, 58(2): 289-301
- Vidal-Pérez P, Molina-Ruiz R, Sanchez-Iglesias S, Spatola G, Andrés-Oliviera P, **Martínez R**: Radiosurgery in obsessive-compulsive disorder, a case report. *Actas Espaniolas de Psiquiatria* 2017, 45(4):179-84
- Waller L, Walter H, Kruschwitz JD, **Reuter L, Müller S**, Erk S, Veer I: Evaluating the replicability, specificity, and generalizability of connectome fingerprints. *NeuroImage* 2017, 158: 371-377

## Books

- Christen M, **Müller S**: The clinical and ethical practice of neuromodulation – Deep brain stimulation and beyond. Frontiers Reserch Topics Ebook, 2017

## Book chapters

- Christen M, **Müller S**: The ethics of expanding applications of DBS. In: Rommelfanger K, Johnson S (Eds.): *Routledge Handbook of Neuroethics*, 2017, 51-65

- Heinz A, **Müller S**: Exaggerating benefits and downplaying risks in the debate on cognitive neuroenhancement. In: R. ter Meulen, A. D. Mohamed, W. Hall (Eds.): Rethinking cognitive enhancement. A critical reappraisal of the neuroscience and ethics of cognitive enhancement. Oxford University Press, 2017, 69-86
- Jox RJ, **Müller S**: Neuroethics Research in Europe. In: Racine E, Aspler J (Eds.): Debates about neuroethics. Springer Verlag, 2017, 213-224
- **Müller S**, Walter H: Deep brain stimulation combined with optogenetics – ethical considerations. In: Appasani K (Ed.) *Optogenetics*. Cambridge University Press, 2017, 463-469
- **Müller S**: Ethical challenges of modern psychiatric neurosurgery. In: Illes J (ed.) *Neuroethics. Anticipating the future*. Oxford Press 2017, 235-263
- **Müller S**: Ethische Probleme bei neurochirurgischen Gehirninterventionen. In: Jox RJ, Erbguth F: *Angewandte Ethik in der Neuromedizin*. Berlin: Springer, 2017, 139-149
- **Müller S**, Heinz A: Menschenrechte in der Psychiatrie. In: Falkai P, Hauth I, Deister A (Eds.): *Psyche – Mensch – Gesellschaft (DGPPN)*. Berlin: Medizinisch-Wissenschaftliche Verlagsgesellschaft, 2017, 143-154

### Poster presentations

- **Bittlinger M, Müller S**: An ethical perspective on deep brain stimulation as an investigational treatment for Alzheimer's disease. 61. Jahrestagung der *Deutschen Gesellschaft für Klinische Neurophysiologie und Funktionelle Bildgebung (DGKN)*, Leipzig, 28.04.2017
- **Bittlinger M, Müller S**: Deep brain stimulation as novel approach for Alzheimer disease: the emerging ethics of research rationale. *WSSFN Congress*, Berlin 26.-29.06.2017
- **Cabrera L, Lou H, Bittlinger T, Müller S, Illes J**: Contemporary Psychiatric Neurosurgery: Updates on a Cross-National Comparison of Trends in Media Coverage and Public Attitudes. *ERA-NET NEURON Cofund Meeting*, Riga, 18.-20.09.2017
- **Cabrera L, Lou H, Bittlinger T, Müller S, Illes J**: Centering the re-emergence of psychiatric neurosurgery: A cross-national comparison of ethical and societal concerns in media coverage. *American Society for Bioethics and Humanities*, Kansas City, Oct. 2017
- **Cabrera L**: Responsible translation of contemporary neuroscientific advances: A critical appraisal of the recent U.S. FDA approval for earlier DBS intervention in Parkinson disease. *Lost in the Maze? Navigating Evidence and Ethics in Translational Neuroscience*, Hannover, Feb. 2018
- Gilbert F, Cook M, O'Brien T, **Illes J**: Embodiment and estrangement: Results from the first-in-human "Intelligent BCI" trial. *International Neuroethics Society*, Washington 2017

- **Joschko A:** Crucial challenges in the fields of personality change, personal identity and their legal classification. *ERA-NET NEURON Cofund Meeting*, Riga, 18.-20.09.2017
- **Müller S**, Riedmüller R: Medizinethische Diskussion der Milde-Enzephalitis-Hypothese der Schizophrenie. 61. Jahrestagung der Deutschen Gesellschaft für Klinische Neurophysiologie und Funktionelle Bildgebung (DGKN), Leipzig, 28.04.2017
- **Raymaekers S**, Demyttenaere K, Luyten L, Nuttin B, **Gabriëls L**, **Bervoets C:** Invasiveness of deep brain stimulation for obsessive-compulsive disorder: patient perspective. *World Federation of Societies of Biological Psychiatry (WFSBP)*, Copenhagen 2017, <http://www.wfsbp-congress.org/index.php?id=239#/details/session/145>
- **Raymaekers S**, Van Duppen Z, Demyttenaere K, Luyten L, **Gabriëls L**, Nuttin B, **Bervoets C:** Deep Brain Stimulation and anterior capsulotomy: the question of autonomy. *EPA*, Firenze 2017, <https://doi.org/10.1016/j.eurpsy.2017.02.249>
- **Rödiger C:** Intervening the defendant's Brain? Legal implications of brain imaging and neurosurgery. *International Neuroethics Society*, Annual Meeting in Washington D.C., USA, 9.-10.11.2017
- Roskams-Edris D, Anderson-Redick S, Kiss Z, **Illes J:** Medical method patents and neuromodulation: Understanding the present and shaping the future. *International Neuroethics Society*, Washington, DC, Nov. 2017
- Viaña JNM, **Illes J**, Gilbert F: Ethical considerations for cell implantation in Alzheimer's disease. *International Neuroethics Society*, Washington, DC, Nov. 2017