

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

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Journal papers

- Bach Q, Thomale U-W, **Müller S**: Parents’ and children’s decision-making and experiences in pediatric epilepsy surgery. *Epilepsy & Behavior* 2020, 107:107078
- **Bittlinger M**: The patient's voice in DBS research: advancing the discussion through methodological rigor. *AJOB Neuroscience* 2017, 8(2): 118-120
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- **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* 2018, 160(3): 625-635
- **Cabrera LY, Bittlinger M, Lou H, Müller S, Illes J**: Reader comments to media reports on psychiatric neurosurgery: past history casts shadows on the future. *Acta Neurochirurgica* 2018, <https://doi.org/10.1007/s00701-018-3696-4>
- 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
- Eijkholt M, **Cabrera LY**, Ramirez-Zamora A, Pilitsis JG: Shaking up the debate: ensuring the ethical use of DBS intervention criteria for mid-stage Parkinson’s patients. *Neuromodulation: Technology at the Neural Interface* 2017, 20: 411–416
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- **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
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- **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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- Pollak T, Lennox B, **Müller S**, Benros M, Prüß H, Tebartz van Elst L, Klein H, Steiner J, Frodl T, Bogerts B, Tian L, Groc L, Hasan A, Baune B, Endres D, Haroon E, Yolken R, Benedetti F, Halaris A, Meyer J, Stassen H, Leboyer M, Fuchs D, Otto M, Brown D, Vincent A, Najjar S, Bechter K: Autoimmune psychosis: an international consensus on an approach to the diagnosis and management of psychosis of suspected autoimmune origin. *Lancet Psychiatry* 2019, 1-16
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- Specker Sullivan L, **Illes J**: At the ethics interface of the brain computer interface. *Journal of Neural Engineering* 2018, Feb; 15(1):013001.

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Book

- Christen M, **Müller S:** The clinical and ethical practice of neuromodulation – Deep brain stimulation and beyond. *Frontiers Research 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
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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
- **Bittlinger M, Müller S:** Ethical Considerations for Deep Brain Stimulation for Alzheimer: the Importance of Methodological Rigor and Scientific Validity. *ERA-NET NEURON Mid-Term Symposium*. Riga, 18.09.2017
- **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 Mid-Term Symposium*, Riga, 18.-20.09.2017
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- **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>
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- **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
- Spreen A, Alkhoury D, Walter H, **Müller S**: Optogenetic behavioral studies in depression research: a systematic review. *Deutsche Gesellschaft für Psychiatrie und Psychotherapie, Psychosomatik und Nervenheilkunde (DGPPN)*, Berlin, November 2021
- Viaña JNM, **Illes J**, Gilbert F: Ethical considerations for cell implantation in Alzheimer's disease. *International Neuroethics Society*, Washington, DC, Nov. 2017

Talks

- **Bittlinger M**: Ethical Considerations for Innovative Research Involving Unknown Risks: The Example of Deep Brain Stimulation for Alzheimer Disease. Annual Meeting of the International Neuroethics Society. Washington, DC, USA, 9.11.2017
- **Bittlinger M**: What Makes Risky Innovative Research Good? An Argument for Evidence-Based Criteria for Risk-Benefit Assessment by the Example of Deep Brain Stimulation for Alzheimer Disease". 61st Annual Meeting of the Akademie für Ethik in der Medizin e.V., Hannover, Germany, 28.09.2017
- **Bittlinger M**: Deep Brain Stimulation for Alzheimer disease. Neuroethics Work group, Akademie für Ethik in der Medizin e.V., Göttingen, Germany, 6.12.2016
- **Müller S**: Modern psychiatric neurosurgery – Ethical issues. Neuroethics Conference, Padua, Italy, 19.05.2016
- **Müller S**: Threats to DBS patients posed by the personal identity debate. Neuroethics Network Meeting, Paris, 30.06.2016
- **Müller S**: Behandlung von geistig behinderten Jugendlichen mit massiver Selbst- und Fremdgefährdung mittels ablativer Neurochirurgie. Jahrestagung der Akademie für Ethik in der Medizin. Workshop „Gezielte Veränderungen der Persönlichkeit mittels Hirneingriff und Würdeschutz“, Bielefeld, 22.09.2016
- **Müller S**: Freiheit in der Medizin. Anthropologie der Freiheit? Menschenbild und freier Wille im Blick der Neurowissenschaft, Katholische Akademie, Berlin, 30.09.2016
- **Müller S**: Zwangsstörung – Tiefe Hirnstimulation, Gamma Knife-Radiochirurgie und ablativ Neurochirurgie im Vergleich. Kongress der Deutschen Gesellschaft für Psychiatrie, Psychotherapie und Nervenheilkunde (DGPPN), Berlin, 25.11.2016
- **Müller S**: Threats to DBS patients posed by the ethical debate about personal identity changes. Congress of the World Society of Stereotactic and Functional Neurosurgery (WSSFN), Berlin, 27.06.2017
- **Müller S**: PNS – Psychiatric Neurosurgery – Ethical, Legal and Societal Issues. ERA-NET NEURON Confond Meeting, Joint Mid-Term Symposium of JTCs 2015:

“Neurodevelopmental Disorders” & “Ethical, Legal, and Societal Aspects (ELSA) of Neuroscience”, Riga, Latvia, 18.09.2017

- **Müller S:** Ulysses testaments and advance directives for allowing compulsory treatments. World Psychiatric Association Congress, Berlin, 9.10.2017
- **Müller S:** Decision-making capacity and supported decision-making – the position of the Central Ethics Committee of the German Medical Association. World Psychiatric Association Congress, Berlin, 12.10.2017
- **Müller S:** Bin ich noch ich? Chancen und Risiken neurologischer und neurochirurgischer Interventionen. Krankenhaus Barmherzige Brüder, Regensburg, 6.11.2017
- **Müller S:** Gedankenexperimente über Menschenexperimente in der forensischen Psychiatrie: Tiefe Hirnstimulation für pädophile und psychopathische Straftäter. Tagung „Forschung mit besonders vulnerablen Gruppen in der Psychiatrie“, Akademie für Ethik in der Medizin, 7.02.2018
- **Müller S:** Closed Loop Tiefe Hirnstimulation. Jahrestagung der Akademie für Ethik in der Medizin: „Medizin 4.0. Ethik im digitalen Gesundheitswesen“. Köln, 16.09.2018
- **Müller S:** Psychiatrische Neurochirurgie – wissenschaftliche und ethische Herausforderungen. Berlin, Charité - Universitätsmedizin Berlin, Klinik für Psychiatrie und Psychotherapie CCM, Facharztweiterbildung. Berlin, 21.03.2019
- **Müller S:** Ethische Aspekte der Hirnstimulation. Bundesdirektorenkonferenz – Frühjahrstagung. Lüneburg, 9.05.2019
- **Müller S:** Psychiatrische Neurochirurgie – wissenschaftliche und ethische Herausforderungen. Universitätsklinikum Münster, Ringvorlesung. Münster, 27.05.2019
- **Müller S:** The concerns raised by psychiatric neurosurgery. European Society of Stereotactic and Functional Neurosurgery. Basic methodological aspects – Neurosurgery for psychiatric disorders. Marseille, Online, 15.03.2021
- **Spranger TM:** Memory and Consciousness, Law and Physiology, MEF University Istanbul, 20.04.2018