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## Minding Rights: Mapping Ethical and Legal Foundations of 'Neurorights'

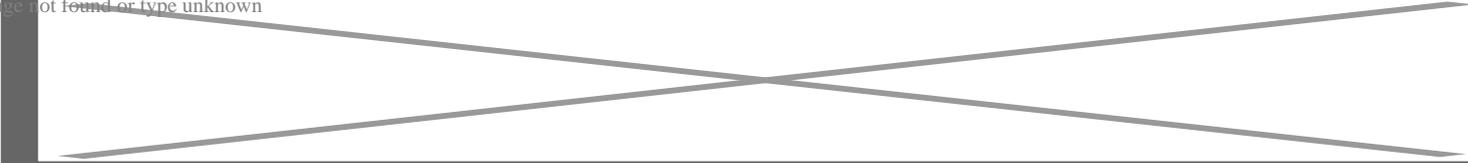
### Description

#### Abstract

The rise of neurotechnologies, especially in combination with artificial intelligence (AI)-based methods for brain data analytics, has given rise to concerns around the protection of mental privacy, mental integrity and cognitive liberty – often framed as “neurorights” in ethical, legal, and policy discussions. Several states are now looking at including neurorights into their constitutional legal frameworks, and international institutions and organizations, such as UNESCO and the Council of Europe, are taking an active interest in developing international policy and governance guidelines on this issue. However, in many discussions of neurorights the philosophical assumptions, ethical frames of reference and legal interpretation are either not made explicit or conflict with each other. The aim of this multidisciplinary work is to provide conceptual, ethical, and legal foundations that allow for facilitating a common minimalist conceptual understanding of mental privacy, mental integrity, and cognitive liberty to facilitate scholarly, legal, and policy discussions.

Source: [www.cambridge.org/core/journals/cambridge-quarterly-of-healthcare-ethics/article/minding-rights-mapping-ethical-and-legal-foundations-of-neurorights/2F3BD282956047E1E67AA9049A2A0B68](http://www.cambridge.org/core/journals/cambridge-quarterly-of-healthcare-ethics/article/minding-rights-mapping-ethical-and-legal-foundations-of-neurorights/2F3BD282956047E1E67AA9049A2A0B68)

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See note 5, Navarro 2022.

15

As is often the case in interdisciplinary work, not all authors that contributed to the discussions and the resulting paper agree with every point made in the paper. We have made substantial efforts in harmonizing views and interpretations but also want to acknowledge the reality of “reasonable disagreement”.

16

It might be argued that drawing a distinction between bodily and mental integrity implicitly endorses a form of dualism between the body (including the brain) and the mind. To avoid this risk, some have proposed recognising a single right to "identity integrity". However, since the rights to bodily and mental integrity are widely used in the academic literature and acknowledged in the law, such as by the EU Charter of Fundamental Rights, we will stick to this terminology in this paper. In adopting this terminology, we do not mean to endorse dualism.

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The term was coined in a series of essays by Boire RG. On cognitive liberty. *Journal of Cognitive Liberties*; available at ([www.cognitiveliberty.org/ccle1/1jcl/1jcl](http://www.cognitiveliberty.org/ccle1/1jcl/1jcl)) (last accessed 22 Mar 2023).

30

See note 12, Ienca 2021.

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In our discussion here, we will refer to specific “neurorights” as “human rights” if they are conceptualized (or discussed) within an international and universal context (e.g., in discussions at the level of the UN).

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Criticism of the implementation of legal language for moral rights addresses structural problems such as the integration of a vertical view typical of human rights jurisprudence, which runs counter to the traditional horizontal view in ethical reasoning. Legal language too often implies the violation of rights, whereas ethical language presupposes reciprocal dialogue between actors without implying that rights have been previously violated or duties not fulfilled. Sperling D. Law and bioethics: A rights-based relationship and its troubling implications. In: Freeman M, ed. *Law and Bioethics: Current Legal Issues*, Vol. 11. Oxford: Oxford University Press; 2008. Moreover, ethical choices can be made between two legally acceptable solutions, which helps to ground the reasoning about which ethical and moral concepts should be condensed into law. Additionally, in order to do justice to ethical decisions, it is not always enough to meet legal standards. See Sperling 2008, at 65, 71.

38

Henceforth, our use of “rights” means “legal rights.”

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It may be the case that dualist ideas have a more pervasive influence on legal systems. See Fox, D,

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An important conceptual question here could be whether we can conceive of a mind without a brain?  
As discussed in this section, reflecting common theorizing in philosophy and cognitive science  
accounts, many accounts of mental integrity assume embodiment (and some degree of bodily  
integrity). But this might imply remnant notions of mind–body dualism that would need to be addressed  
(which exceeds the scope of the discussion here). A member of our group has suggested to use the  
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See note 36, Lavazza 2018.

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60

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61

A potential precedent in addressing this worry may be found in the latest version of the Chilean Bill on neuroprotection (still being drafted), which proposes that medical as well as non-medical neurotechnologies must be registered by the National Institute of Public Health for their use in humans.

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64

See note 1, Bublitz 2020, at 388, 395.

65

See note 1, Michalowski 2020, at 406; see note 64, de Vries 2018, at 690.

66

See note 1, Bublitz 2020; see note 1, Ienca, Andorno 2017, at 18.

67

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UN Human Rights Council, The right to privacy in the digital age, A/HRC/39/29, 3 August 2018, para. 5.

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UN Human Rights Council, The right to privacy in the digital age, A/HRC/39/29, 3 August 2018, para. 5.

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UN Human Rights Council, The right to privacy in the digital age, A/HRC/39/29, 3 August 2018, para.

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90

ECtHR (GC) 5 September 2017, appl.no. 61496/08 (B?rbulescu/Romania), § 70.

91

ECtHR (GC) 27 June 2017, appl.no. 931/13 (Satakunnan Markkinapörssi Oy and Satamedia Oy/Finland), § 137 (emphasis added).

92

ECtHR (GC) 4 December 2008, appl.nos. 30562/04 and 30566/04 (S. & Marper/UK), § 67; ECtHR 13 February 2020, appl.no. 45245/15 (Gaughran/UK), § 70. See note 64, de Vries 2018, at 673.

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Council of Europe. The European Convention on Human Rights: A Living Instrument. Strasbourg 2020:7.

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Article 4(1) GDPR.

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See note 4, Rainey et al. 2020; see note 1, Ienca, Andorno 2017.

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See note 29, Bublitz 2014; see note 1, Ligthart et al. 2021.

97

General Comment No. 22: The right to freedom of thought, conscience and religion (Art. 18) CCPR/C/21/Rev.1/Add.4, para. 3; see note 64, Vermeulen 2006.

98

Shaheed, UN Special Rapporteur on Freedom of Religion or Belief, Report on the Freedom of Thought, 5 October 2021, A/76/380, at 94, para. 26.

99

See note 33, Bublitz 2014; see note 1, Alegre 2017; see note 1, McCarthy-Jones 2019; see note 1, Lighthart 2020.

100

See 82, Lighthart et al. 2022.

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Rainey, B, Wicks, E, Jacobs, Ovey C., White and Ovey: *The European Convention on Human Rights*. 8th edn. Oxford: Oxford University Press; 2020 CrossRefGoogle Scholar; see note 77, Harris 2018.

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General comment No. 34 Article 19: Freedoms of opinion and expression, CCPR/C/GC/34, paras 11–12; ECtHR (GC) 15 December 2005, appl.no 73797/01 (Kyprianou/Cyprus), § 174; Interamerican Commission on Human Rights, Declaration of Principles on Freedom of Expression, principle 2; Grossman, C. Freedom of expression in the inter-american system for the protection of human rights. *ILSA Journal of International & Comparative Law* 2001;7(3):619–47Google Scholar.

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General comment No. 34 Article 19: Freedoms of opinion and expression, CCPR/C/GC/34, para. 10.

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See note 77, Harris 2018, at 595. See, for example, EComHR 7 April 1994, appl.no. 20871/92 (Strohal/Austria); ECtHR (GC) 3 April 2012, appl.no. 41723/06 (Gillberg/Sweden), § 86; ECtHR 23 October 2018, appl.no. 26892/12 (Wanner/Germany), § 39–42. An important note: This suggests that the right to silence has been protected by the ECtHR. The response of the ECtHR to English attacks on the right to silence suggests otherwise. One can remain silent, but adverse inferences can be drawn from the person's silence, which does not amount to much of a protection of the right to silence. In the future we might expect the ECtHR to extend its approach by saying a person can refuse brain-based lie detection that the state wants to employ, but if the person does so, adverse inferences can be drawn from the refusal.

105

See note 33, Lighthart 2022; see note 1, Lighthart 2020.

106

See note 33, Lighthart 2022.

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Sententia, W. Neuroethical considerations: Cognitive liberty and converging technologies for improving human cognition. *Annals of the New York Academy of Sciences* 2004; 1013:221–28CrossRefGoogle Scholar; Bublitz, C, Cognitive liberty or the international human right to freedom of thought. In: Clausen, J, Levy, N, eds. *Handbook of Neuroethics*. Dordrecht, Netherlands: Springer; 2015:1309–33CrossRefGoogle Scholar.

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See note 56, Farahany 2019, 2023.

109

See note 1, Bublitz 2020; see note 1, Ienca, Andorno 2017; see note 41, Bublitz, Merkel 2014.

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See note 4, Committee on Bioethics of the Council of Europe 2019; § 21–22 (emphasis added).

112

See note 1, Bublitz 2020, at 397.

113

ECtHR 12 October 2006, appl.no. 13178/03 (Mayeka and Kaniki Mitunga/Belgium), § 83.

114

ECtHR (GC) 27 August 2015, appl.no. 46470/11 (Parrillo/Italy), § 153.

115

ECtHR (GC) 27 June 2017, appl.no. 931/13 (Satakunnan Markkinapörssi Oy and Satamedia Oy/Finland), § 137.

116

Either as an individual notion or as part of the right to mental integrity.

117

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## Category

1. General

## Tags

1. Cognitive liberty
2. mental integrity
3. mental privacy
4. neurorights
5. neurotechnology

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