Addiction Neuroethics: The Promises and Perils of Neuroscience Research on Addiction

Addiction is a significant health and social problem and one of the largest preventable causes of disease globally. Neuroscience promises to revolutionise our ability to treat addiction, lead to recognition of addiction as a 'real' disorder in need of medical treatment and thereby reduce stigma and discrimination. However, neuroscience raises numerous social and ethical challenges:

- If addicted individuals are suffering from a brain disease that drives them to drug use, should we mandate treatment?
- Does addiction impair an individual's ability to consent to research or treatment?
- How will neuroscience affect social policies towards drug use?

This book addresses these challenges by examining ethical implications of emerging neurobiological treatments, including: novel psychopharmacology, neurosurgery, drug vaccines to prevent relapse, and genetic screening to identify individuals who are vulnerable to addiction.

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