

integrated. Emerging discoveries are also certain to stimulate a range of ethical questions, many of which are not unique to the neurosciences but do come into sharpest focus in this area. These include possible risks to the privacy of personal information about our health, cognitive capabilities, or behavioral attributes; the sanctity of our private thoughts; as well as concerns regarding neuroenhancement technologies, including

their potential military use. Both the BRAIN and HBP initiatives have put into place strong ethical components to ensure that these programs are carried out, from the outset and to the fullest extent possible, consistent with guiding ethical principles that include respect for individuals, public beneficence, justice and fairness, democratic deliberation, and transparency.