Universal Delayed Consciousness (UDC) Theory – Core Annotated Bibliography

Purpose: This bibliography lists peer-reviewed studies, foundational texts, and relevant literature directly cited or used to support the primary UDC manuscript. Each entry includes a summary of its findings, its relevance to UDC, and how it underpins core sections of the theory.

1. Libet, B., Gleason, C. A., Wright, E. W., & Pearl, D. K. (1983). *Time of conscious intention to act in relation to onset of cerebral activity (readiness-potential). Brain.*

Summary: Demonstrated that brain activity precedes conscious intention by several hundred milliseconds. **Relevance to UDC:** Validates the delay between stimulus and conscious awareness. **Supports:** Section 2 (Core Tenets), Section 3 (Physical Laws), Section 5 (Experimental Pathways).

2. Friston, K. (2010). *The free-energy principle: a unified brain theory? Nature Reviews Neuroscience.*

Summary: Proposes that the brain minimizes entropy by generating predictive models of the world. **Relevance to UDC:** Foundation for prediction-based processing in conscious experience. **Supports:** Section 2, 3, and 7 (Biological Phenomena).

3. Seth, A. K. (2015). *The cybernetic Bayesian brain: from interoceptive inference to sensorimotor contingencies. Open MIND.*

Summary: Argues for predictive coding across interoception and exteroception using Bayesian inference. **Relevance to UDC:** Supports prediction and delay integration in both emotional and sensory experience. **Supports:** Sections 2, 3, 11 (Embodiment).

4. Dehaene, S., & Naccache, L. (2001). *Towards a cognitive neuroscience of consciousness: basic evidence and a workspace framework. Cognition.*

Summary: Introduces the "Global Workspace Theory" where information becomes conscious when broadcast across the brain. **Relevance to UDC:** Grounds the concept of global integration in a computational neuroscience framework. **Supports:** Sections 2, 3, 4.

5. Tononi, G. (2008). *Consciousness as integrated information: a provisional manifesto. Biological Bulletin.*

Summary: Outlines Integrated Information Theory (IIT) of consciousness. **Relevance to UDC:** Offers conceptual contrast to UDC's delay + prediction model, while supporting the necessity of integration. **Supports:** Section 3, 4, Conclusion.

6. van der Kolk, B. (2014). *The Body Keeps the Score.*

Summary: Explores trauma, memory, and somatic experience in shaping conscious perception. **Relevance to UDC:** Demonstrates how memory and prediction distort conscious reality in PTSD. **Supports:** Sections 7 (Biological Phenomena), 8 (Disorders).

7. Koob, G. F., & Volkow, N. D. (2010). *Neurocircuitry of addiction. Neuropsychopharmacology.*

Summary: Describes the disruption of reward and predictive circuits in addiction. **Relevance to UDC:** Shows how predictive errors and memory loops affect consciousness. **Supports:** Section 8 (Disorders).

8. Fletcher, P. C., & Frith, C. D. (2009). *Perceiving is believing: a Bayesian approach to explaining the positive symptoms of schizophrenia. Nature Reviews Neuroscience.*

Summary: Examines delusion and hallucination through prediction error and Bayesian miscalculation. **Relevance to UDC:** Explains failures in the predictive system and its role in disordered consciousness. **Supports:** Sections 7, 8.

9. Goldstein, R. Z., & Volkow, N. D. (2011). *Dysfunction of the prefrontal cortex in addiction. Nature Reviews Neuroscience.*

Summary: Links impaired future modeling to prefrontal cortex damage in addicts. **Relevance to UDC:** Strengthens delay/prediction model of consciousness and agency loss. **Supports:** Section 8.

10. Buhusi, C. V., & Meck, W. H. (2005). *What makes us tick? Functional and neural mechanisms of interval timing. Nature Reviews Neuroscience.*

Summary: Outlines timing systems in the brain that track elapsed time and sequence. **Relevance to UDC:** Direct evidence of temporal modeling that underlies predictive delay. **Supports:** Sections 3, 4, 7.