My study focuses on the relation between cognitive science and Romanian modernist fiction, in an attempt to pinpoint the use and functions of neural narrative networks in Camil Petrescu's novels. Such networks involve permanent interactions between characters and their readers, as if all were given roles to play in a Second Life psycho-narrative game. I regard neural narrative networks as a mixture of mental realities, literary patterns and Virtual Reality databases which govern the life of characters. They lead them to impossible, often contradictory existential options, while providing the reader the key to access a psycho-narrative multiverse. Neural patterns, Virtual Reality techniques (such as those used in the CAVE environment) and a particular episode in the Black Mirror film series (“The Entire History of You”) will serve as tools for the cognitive detective to achieve his goals.

**Key Words:** Romanian modernist fiction, cognitive science, neural networks, virtual reality, mental reality