and the Arts

to Aesthetics, Creativity,
Neurocognitive Approaches
Evolutionary and
were based on physiological evidence that linked the right hemisphere
with creative processes. A study by Galaburda and Taylor (1983) suggested
that patients with damage to the right hemisphere were impaired in their
creativity. A more recent study by R. J. Sternberg (1986) found that
people who are high in the trait of creativity tend to have larger
areas of the right hemisphere.

Creativity and Hemispheric Asymmetry

Neural Correlates of Creativity

CHAPTER 13

Osher Varatian and Yone Got

Cognition

Neural Correlates of Creative

Evolutionary and Neurocognitive Approaches
Conversational agents are a promising type of social cognitive agent that can be used to facilitate social cognition and communication. These agents can be used to support social cognition in educational, therapeutic, and other settings, by providing interactive and personalized feedback and guidance. The use of conversational agents in educational settings has shown promise in improving learning outcomes, particularly in areas such as social skills and communication. However, the effectiveness of these agents depends on the design and implementation of the conversational agent, as well as the context in which it is used. To optimize the use of conversational agents, researchers are exploring various approaches, including the use of machine learning and natural language processing techniques. 

The use of conversational agents in therapeutic settings is also being explored, with the potential to provide personalized and adaptive support to individuals with a range of needs, from mental health to social and communication skills. The design of these agents requires careful consideration of the user's needs and the goals of the intervention. Through a combination of technological advances and human-centered design, conversational agents have the potential to make a significant impact in supporting social cognition and communication across various domains.
Neural Correlates of Hypothetical Reasoning

Evolutionary and Neocognitome Approaches
considered to be different (see Sherman & Davidson, 1996). For our purposes, these two types of problem-solving strategies are

**NEURAL BASES OF INSIGHT SOLUTIONS**

...insula (BA 47), regardless of the spatial

Figure 1. A comparison of Match Problems vs. baseline trials revealed significant activation in

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Figure 2. Activation in right dorsal lateral PFC (BA 46) and cerebellum

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...neural correlates of creative cognition.
NEURAL CORRELATES OF CREATIVE COGNITION

A NEURAL MODEL FOR CREATIVE GENERATION TASKS

Different neural networks than do polysensory generation tasks.

Evolutionary and Neurocorrelate Approaches

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Additional support for the functional dissection between the ventral and dorsal aspects of PFC is available from NINDS and CHIR.

References

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