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From holism to compositionality: memes and the evolution of segmentation, syntax, and signification in music and language

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Figure 2: The Memetic-Semiotic Nexus of an \textit{m-l} Music-Language M(us)emeplex

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1. **Level-One (horizontal) and Level-Two (vertical) Semiosis**

   - **a) Level-Two Signifiers**
     - Memotype: Meme \( m \) (sound image of \( m \))
     - Grapheme \( G_m \) (codes for notation of \( m \))
     - Lexeme \( l \) (sound image of \( l \))
     - Grapheme \( G_l \) (codes for notation of \( l \))

   - **b) Level-Two Signifieds**
     - Meme \( m \)
     - Interpretant-Lexemeplex \( I_l \) (codes for \( l \)-mediating lexemes)

2. **Level-Three (diagonal) Semiosis**

   - **a) Signifiers**
     - Meme \( m \)

   - **b) Signifieds**
     - Lexeme \( l \)

\( m \) and \( l \) are mediators between the music and language domains, creating a complex interplay of signifiers and signifieds.