Specify, Design, and Assemble: A Top-Down Design Flow Using *Clotho*

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**Clotho** - Synthetic Biology Software Platform and Data Model

- **Clotho** has applications that can be developed independently
- Specification of cellular behavior in various contexts
- Design of genetic circuits automatically and manually
- DNA assembly performed automatically with liquid handling robot using the Puppeteer Protocol Automation stack
- Assembled parts characterized and data is used in a characterization workflow to refine the design process
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The diagram illustrates the workflow from SPECIFY to CHARACTERIZE, with PROTO as the central node.
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