A disruptive nucleic acid delivery platform technology is being developed that harnesses the unique properties of Arc protein. Originally identified as essential for storing information in the brain, it also has an important role in cell-to-cell communication. The Arc protein’s unusual property of co-assembling self RNA with arc protein resembles viral capsid like structures that deliver the genetic cargo from cell to cell. The technology is being optimized for transfer of any genetic material as a therapeutic payload without dependency on the cell type.

**TECHNOLOGY SUMMARY**

- Demonstrated that arc protein can deliver RNA into cells.
- Ongoing testing in vivo.

**FEATURES AND BENEFITS**

- Facilitates non-viral delivery of genetic material without inducing an immune response.
- Engineers and packages genetic material for delivery of the therapeutic payload to different cell types.
- Enables cost-effective large scale synthesis of therapeutic payload.

**IP PROTECTION**

Provisional Patent Filed

**RECENT PUBLICATIONS**


**INVENTOR PROFILE**

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