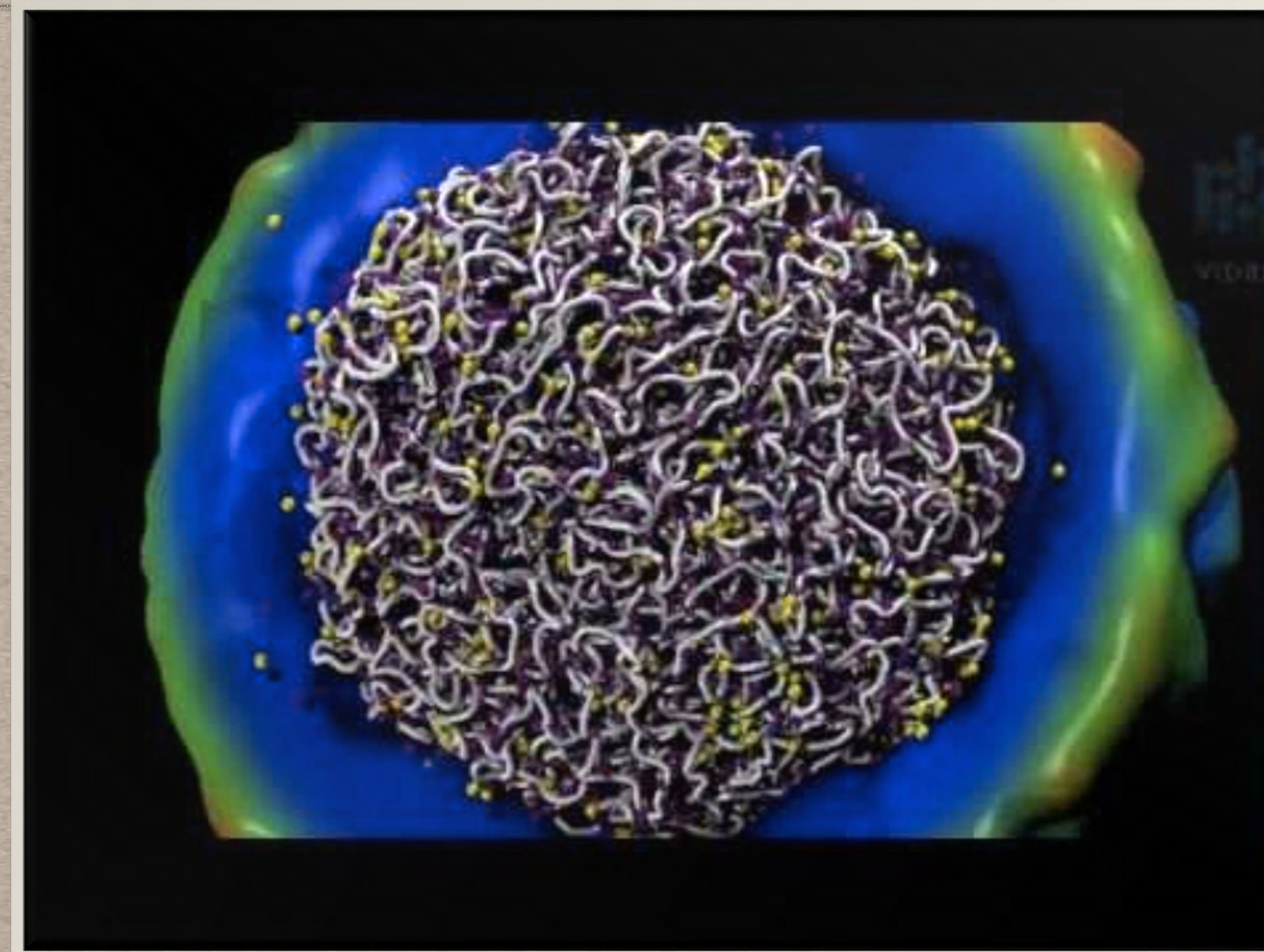# The Eradication of Polio Compared to the Methods Explored for Eradication of Ebola

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Abstract:

- Poliomyelitis eradication has been a long-lasting and difficult process that has become a global issue.

- Poliomyelitis is an Old World disease, eradicable through mass vaccination and circle vaccination.

- Ebola is considered a New World disease that requires more developed methods for eradication and control. So new tactics must be used rather than those used in the eradication of polio.

- What changes in methodology used for polio eradication can be done to eliminate Ebola from nature? What limitations are there on the eradication of Ebola today?

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Vaccination Methods for Polio:

- Live attenuated oral poliovirus vaccine
- Inactivated Poliovirus Vaccines
- Mass/Circle Vaccinations

Vaccination Methods for Ebola:

- There are no actual vaccination methods that are used now.
- Candidate vaccines are in existence and therapeutic treatments are used for symptoms and immunity.
- Statistical Models are being used to demonstrate how vaccination methods would effect the spread of the disease.

Problems Encountered in Eradication:

- Specifically in Ebola, there are harboring species in nature that carry the virus, making eradication difficult.
- Poor sanitation in affected countries makes control of the virus difficult.