Experiment 1

Context:

We would like to test the effect of kinase inhibitor drugs delivered on patient cancer cells grown in eggs.

Funding:

Comfortable

Time frame:

5 years

Experiment 2

Context:

We received funding from N*stlé and to find milk which young babies and babies with allergies will sustain better than cow milk. You have access to all German and Swiss zoos to milk different species.

Funding:

Very Comfortable

Time frame:

4 years

Experiment 3

Context:

A cooperation partner asked us to help on a project:

Local authorities in south of Europe have a “strange polymer”, found in different rural areas of a village close to his city. Is it spider net (maybe from uncommon species) or something different (e.g. anthropogenic material from pollution?)?

Funding:

Poor to Inexistent

Time frame:

6 months

Experiment 4

Context:

The research group on nutrition asked to compare the intestinal flora of people with different intolerances (gluten, lactose, etc.).

Funding:

Limited

Time frame:

4 years

Experiment 5

Context:

You are a stem cell researcher and want to compare the spontaneous differentiation of cells growing in a petri dish versus cells growing on a decellularized proc intestine.

Funding:

Keep it low

Time frame:

2 years

Experiment 6

Context:

You have access to cancer cells from leukemic patients at diagnosis with follow-up data showing who responded well to chemotherapy. You are asked to design an assay that will predict, at diagnosis, whether a patient is likely to develop chemoresistance.

Funding:

Comfortable

Time frame:

4 years