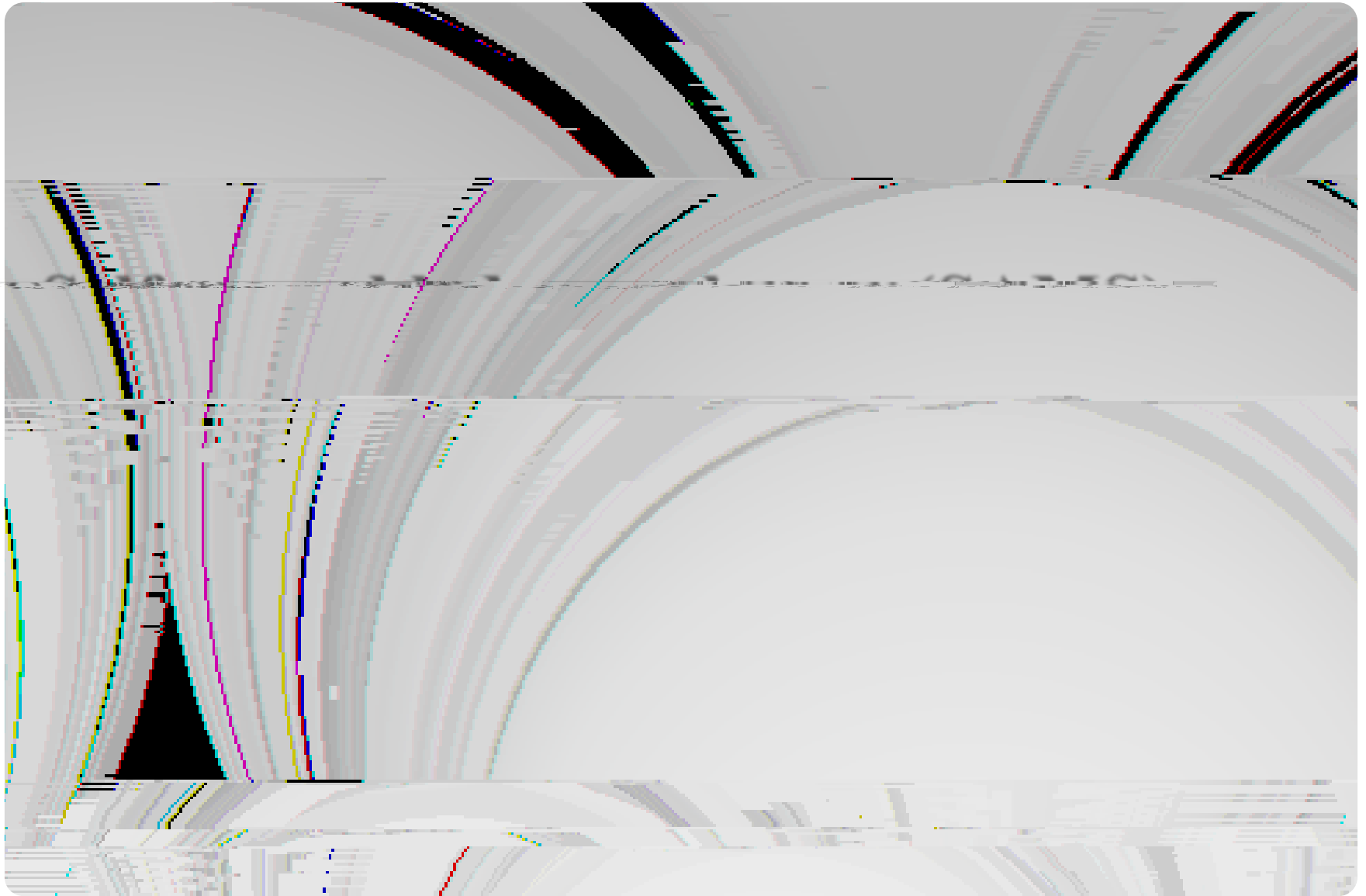


Advanced powder synthesis

Microcrystalline titanium powders

Nano powder synthesis

Characterization XRD, FTIR, Uvvis, NMR,
SEM, TEM, XPS

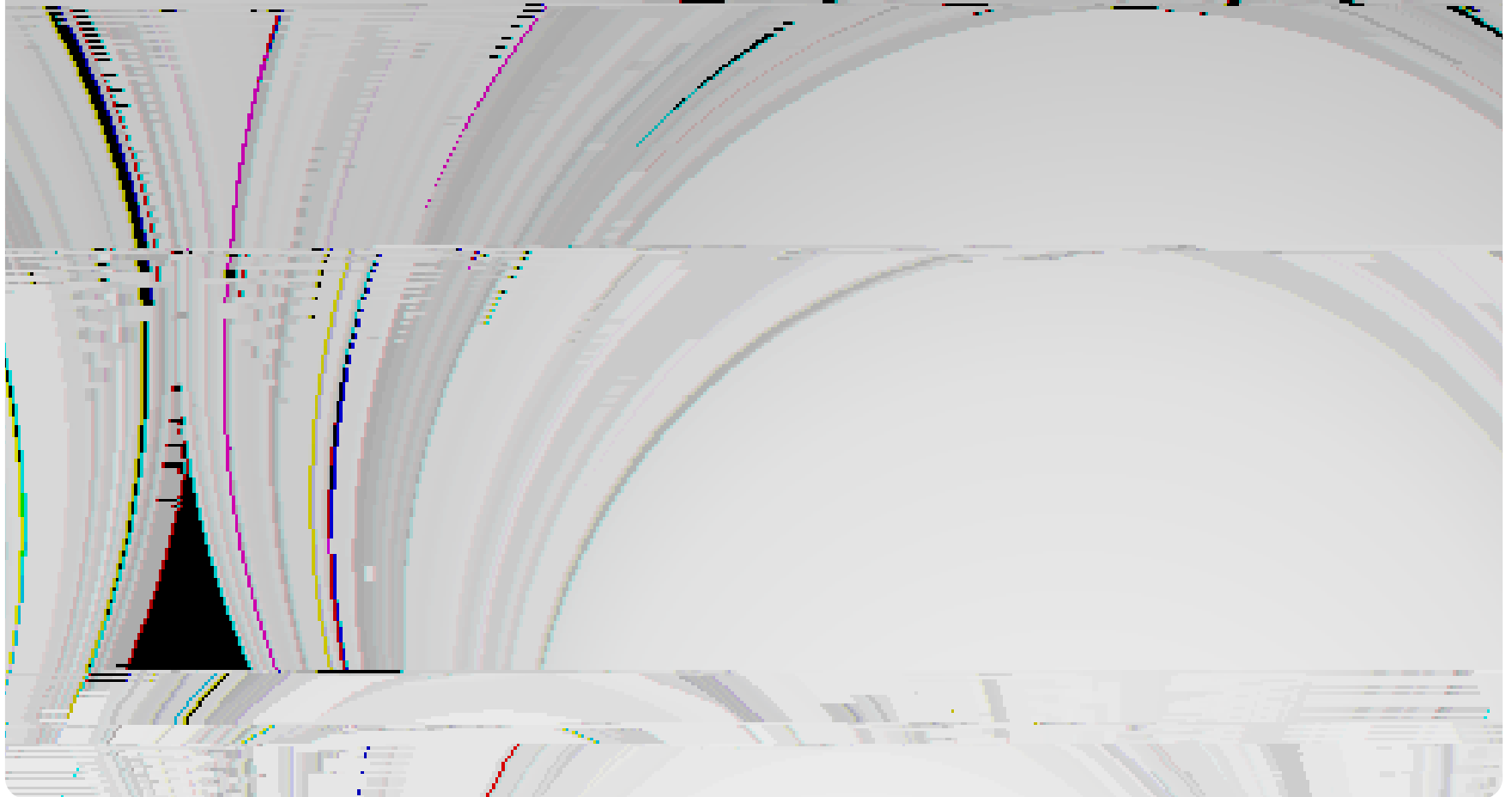


Self assembled monolayers (SAMs)

Multilayers for sensors

- Regenerative multilayers on surfaces
- Multilayers as sensors
- Selective extractions

Chemical solution routes for titanium from Ore



Synthesis of new materials

Synthesis of organic and inorganic molecules

Polymerization

Application of new materials for effective powder metallurgy applications

Leaching and pretreatment of ores

Selective removal of impurities from ore

Lower temperature requirement and ambient conditions

Regeneration of reagent for reducing cost and environmental impacts



Thank you