PAcrAm™-g-PMOXA

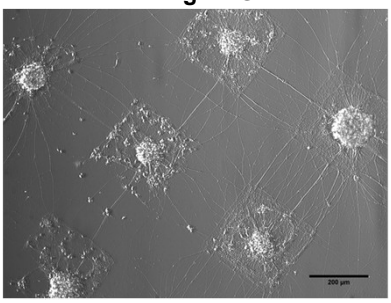
Stable, protein resistant surfaces.
Made simple.

PAcrAm™-g-PMOXA combines a highly protein-resistant PMOXA brush with SuSoS' versatile surface-anchoring technology.

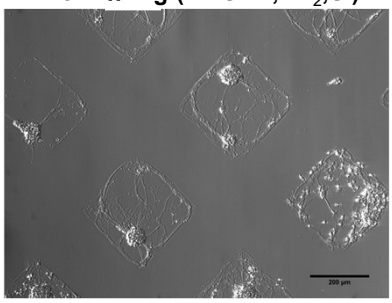
- Straightforward **aqueous dip & rinse** process
- Thin but chemically stable **monolayer coating**
- Works on **glass**, **metals** and **plastics** substrate



PLL-g-PEG



PAcrAm™-g-(PMOXA,NH_2,Si)



Comparison of cell resistance on PLL-g-PEG or PAcrAm™-g-PMOXA, NH_2,Si)

Stable beyond PEG

PMOXA displays:

- No oxidation
- Temperature stability
- UV, pH stability
- Superior non-fouling performance vs DNA/RNA, dendrites.

Broadband non-fouling

Prevents adhesion of: proteins, small-molecule drugs, DNS/RNA, cells, bacteria

Stable by Design

Grants strong **covalent binding** to most substrates. PMOXA displays superior performance vs. PEG

Easy Process

A **self-assembly** coating applied from **aqueous solution**

The new standard for non-fouling surfaces.

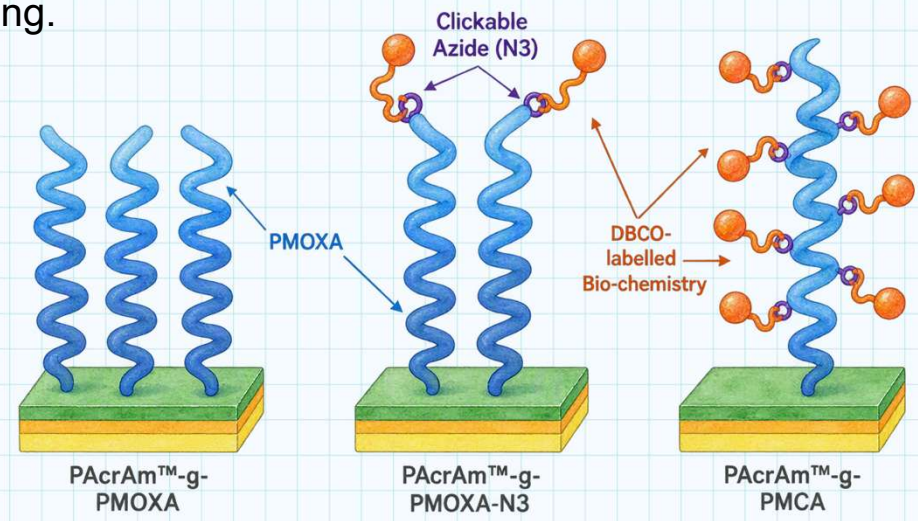
Talk to SuSoS about the right **PAcrAm™-g-PMOXA** configuration for your application.

PAcrAm™-g-PMOXA-N_3 / -PMCA

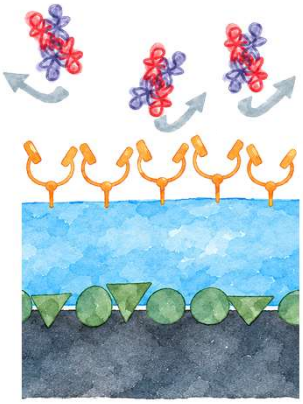
Selective biomolecules binding.
Non-fouling background.

PAcrAm™-g-PMOXA-N_3 and PAcrAm™-g-PMCA combine the protein-resistant properties of PMOXA coatings with accessible azide groups for selective surface functionalization.

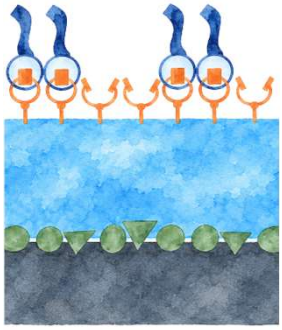
- Compatible with **CuAAC** and **SPAAC**
- Adjustable binding capacity
- **Non-fouling** and **multi-substrate** compatibility



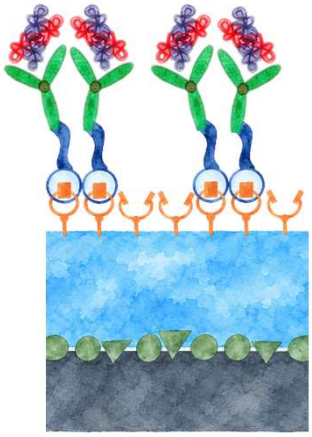
Broadband non-fouling



Bind biological recognition element



Selective binding



PAcrAm™-g-PMOXA-N_3

- One terminal azide per side chain
- Maximum non-fouling performance
- Azide accessibility and spacing

PAcrAm™-g-PMCA

- Multiple azides per side chain
- Maximum azide density
- Supports high loading of recognition elements

Click what you need.
Repel what you don't.

Talk to SuSoS about the right **PAcrAm™-g-PMOXA-N_3/-PMCA** configuration for your application.