

Materials List for:

# Formation of Biomembrane Microarrays with a Squeegee-based Assembly Method

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## Materials

Name	Company	Catalog Number	Comments
4 inch silicon wafers	University Wafer	425	
Shikey MEGAPOSIT SPR955-CM 0.7 photoresist	MicroChem	SPR955-CM	
Shikey MICROPOSIT CD-26 developer	MicroChem	CD-26	
i-line stepper	Canon	2500 i3 stepper	
Vision 320 reactive ion etcher	Advanced Vacuum	Vision 320 RIE	
Deep trench reactive ion etcher	Plasma Therm	SLR-770	
Atomic layer deposition system	Cambridge NanoTech	Savannah	
Dow Corning Sylgard 184 poly(dimethylsiloxane) kit	Ellsworth Adhesives	184 SIL ELAST KIT 0.5KG	
Egg phosphatidylcholine	Avanti Polar Lipids	840051C	
1,2-dipalmitoyl- <i>sn</i> -glycero-3-phosphoethanolamine- <i>N</i> -(lissamine rhodamine B sulfonyl) ammonium salt	Avanti Polar Lipids	810158C	
Monosialoganglioside GM1	Avanti Polar Lipids	860065P	
Silica beads	Bangs Laboratories	SS03N/4666	Packaging on the bead container states the beads are 900 nm in diameter. However, after light-scattering and electron microscopy we determined the beads are roughly 700 nm in diameter.
Cholera toxin B-subunit, Alexa 488-conjugate	Molecular Probes	C-34775	
Anti-oligodendrocyte antibody IgM O4, NorthernLights 557 conjugate	R&D Systems	NL1326R	
FM1-43	Molecular Probes	T-3136	
Eppendorf MiniSpin centrifuge	Fisher Scientific	05-401-09	