

Materials List for:

# Formation of Ordered Biomolecular Structures by the Self-assembly of Short Peptides

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## Materials

Name	Company	Catalog Number	Comments
NH <sub>2</sub> -Phe-Phe-OH	Bachem	G-2925.0001	
Boc-Phe-Phe-OH	Bachem	A-3205.0005	
1,1,1,3,3,3-hexafluoro-2-propanol	Sigma-Aldrich	52512-100ML	
Ethanol absolute (Dehydrated) AR sterile	Bio-Lab Ltd.	52555	Blending with TDW for the preparation of 50% solution
Uranyl acetate	Sigma-Aldrich	73943	For negative staining. It is possible to work without it.
glass cover slip	Marienfeld Laboratory Glassware	110590	
TEM grids	Electron Microscopy Sciences	FCF200-Cu-50	Formvar/Carbon 200 Mesh, Cu
Quantitative filter paper	Whatman	1001055	
Deuterium Oxide (D <sub>2</sub> O)	Sigma-Aldrich	151882-100G	99.9 atom % D
CaF <sub>2</sub> window	PIKE Technologies	160-1212	25 mm x 2 mm window. For FT-IR measurements
AFM tips	NanoScience Instruments	CFMR	Aspire probes, CFMR-25 series
Filter units	Millipore	SLGV033RS	Millex-GV, 0.22 μm, PVDF, 33 mm, gamma sterilized
SEM	FEI		Quanta 200 ESEM
TEM	FEI		Tecnai T12 G2 Spirit
AFM	JPK Instruments		A JPK NanoWizard3
FT-IR	Thermo Fisher Scientific		Nicolet 6700 advanced gold spectrometer
FT-IR Purge	Parker		BALSTON FT-IR Purge Gas Generator model 75-52
OMNIC (Nicolet) software	Thermo Nicolet Corporation		For FT-IR spectra analysis
Vortex mixer	Wisd Laboratory Equipment		ViseMix VM
Weight	Mettler Toledo		NewClassic MS
Sputter coater	Polaron		SC7640 Sputter Coater