



Experiment number GP2022001

## **Experiment Proposal**

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<b>Co-investigator</b>	Mr Valerio Scacco, University of Rome Tor Vergata, ITALY		
<b>Co-investigator</b>	Dr Laura Fazi, University of Rome Tor Vergata, ITALY		
Co-investigator	Dr Giovanni Romanelli, University of Rome Tor Vergata, ITALY		
<b>Co-investigator</b>			
Experiment title	SEM and AFM-Raman investigation of electro-active polymers for training on characterisation of		
	structural and spectroscopic properties		
SRF Instrument	Atomic Force Microscopes	Days requested: 1	
Access Route	Rapid Access	Previous GP Number: -	
Science Areas	Materials, Physics	DOI: -	
Sponsored Grant	None	Sponsor: -	
Grant Title	-	Grant Number: -	
Start Date	-	Finish Date: -	
Similar Submission?	-		
Industrial Links	-		
Non-Technical Abstract	We propose to characterise electro-active polymers and polyethylene-carbon nanotubes		
	composite films using SEM and AFM-Raman. These investigations will be part of a training		
	programme for PhD and undergraduate students on the characterisation of composite and		
	complex materials for applications to electrodes fabrication.		
Publications	-		

Instruments Access Route Science Areas Sponsored Grant Grant Title Start Date Similar Submission? Industrial Links Days Requested: Previous RB Number: DOI: Sponsor: Grant Number: Finish Date:







# Sample record sheet

Principal contactDr Enrico Preziosi, University of Rome Tor Vergata, ITALYSRF InstrumentAtomic Force MicroscopesDays Requested: 1Special requirements:

## SAMPLE

Material	PVDF polymers; Polyethylene and carbon nanotube	-	-
	composites		
Formula	CnHm	-	-
Forms	Solid		
Volume	1 cc		
Weight	1 g		
Container or substrate	-	-	-
Storage Requirements	-	-	-

#### SAMPLE ENVIROMENT

Temperature Range	300 - 300 K	-	-
Pressure Range	0.1 - 0.1 MPa	-	-
Magnetic field range	0 - 0 T	-	-
Standard equipment	None	-	-
Special equipment	-	-	-

### SAFETY

Prep lab needed	Yes	-
Sample Prep Hazards	-	-
Special equip. reqs	-	-
Sensitivity to air	No	-
Sensitivity to vapour	No	-
Experiment Hazards	-	-
Equipment Hazards	-	-
Biological hazards	-	-
Radioactive Hazards	-	-
Additional Hazards	-	-
Additional Details	-	-
Sample will be	Disposed by IS	-

