



# **Electron Microscopy Centre**

**Title: STANDARD PROCEDURES TO USE THE SPUTTER COATER**

**Equipment: Bio-Rad JBS-PS-3 Sputter Coater**

**Revision: 1.0**

**Effective Date: 12/12/2005**

**Author: X. Yang**

## **Warning!**

Before you attempt to operate this equipment for the first time, please make sure you are aware of the precautions that you must take to ensure your own safety.

### **Working Environment**

**Do not** use electrical equipment in:

- Rain or excessive moisture environment
- The presence of flammable or explosive gases

The equipment is not designed to be water or splash proof, or to be used in area where there are flammable or explosive gases or fumes.

## **Standard Procedures to Use the Sputter Coater**

The purpose of sputter coating is to apply a thin layer of a charge conducting material to non-conducting specimen. This prevents charge build-up in sample while under the electron beam.

1. Mount Dried Specimens onto SEM stub with double-sized tape or conductive glue.
- 2.





