Seminars at the Melbourne Centre for Nanofabrication

Nanoporous metal membranes: en route from single pores to large-scale pore arrays

Prof. Lingxue Kong (Institute for Frontier Materials)

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Prof. Lingxue Kong (ANFF-VIC Tech Ambassador & Institute for Frontier Materials)

Abstract:

This talk will present recent work performed on the design of single pore metal membranes for single molecule translocation detection and the development of alloys for processing large arrays of isoporous metal membranes.

The potential of the nanoporous metal materials to act as membrane catalytic reactors will be reviewed and presented.

Separately, Lingxue will introduce nanofibre capabilities at Deakin University's Institute for Frontier Materials.

Notes