

PhD course**Translational Breast Cancer Research: From Omics to Personalized Medicine**

Sino-Danish Centre for Education and Research and Sino-Danish Breast Cancer Research Centre

Tentative starting date August 29, 2011

Tentative location: Beijing at Graduate University of the Chinese Academy of Sciences

Students: 30 PhD students (15 Danish and 15 Chinese)

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Breast cancer Biology <i>Pathology</i> <i>Therapy</i> <i>Risk Factors and hereditary breast cancer</i> <i>Clinical challenges</i> <i>The breast cancer stem cell</i> <i>Carcinogenesis and somatic mutations</i>	Breast cancer Biology continued	Omics <i>Genomics</i> <i>Transcriptomics</i> <i>Proteomics</i> <i>Epigenomics</i>	Bioinformatics and Systems Biology <i>Genome browsers/available resources</i> <i>Genotype to phenotype</i> <i>Sequence data handling – mutation detection</i> <i>Expression data/CNV data</i> <i>Data integration on pathways</i> <i>Proteomics</i>	Bioinformatics and Systems Biology continued	Translational Research: Biomarker development and new targets for therapy
Case Story 1	Case Story 2	Omics Case Story 3	Bioinformatics Case Story 4	Systems biology Case Story 5	Evaluation

