

CANCER RESEARCH SOCIETY PANELS OF EXPERTS FOR EVALUATING OPERATING GRANT APPLICATIONS

- Panel A: Cell signalling**
Topics covered: Signal transduction
Roles and mechanisms of growth factors, cytokines, chemokines
Mechanisms of apoptosis
Cell migration, adhesion and chemotaxis
Cell cycle
Regulation of protein activity via interactions or modifications
Animal models
- Panel B: Pharmacogenetics/cancer immunology**
Topics covered: Mechanisms of action of chemotherapeutic drugs
Pharmacological drug development
Mechanisms of drug resistance
Cancer therapy with cell and animal models
Immunological studies and cancer prognosis
Tumour immunology
Genes, viruses or viral genes, vaccines as anti-cancer drugs
Radiations and radiosensitizers as therapeutic tools
- Panel C: Tumour suppressor genes, oncogenes and DNA repair**
Topics covered: Transcriptional and translational regulation
Tumour suppressor genes and oncogenes
Mechanisms of action of oncolytic viruses, viral oncogenesis
DNA damage and repair, DNA replication
Epigenetic mechanisms
DNA integrity and genomic instability
Cell cycle
- Panel D: Tumour progression and metastasis**
Topics covered: Cell culture and animal models
Angiogenesis
Late events implicated in cancer progression
Metastasis progression model
Cell adhesion and invasiveness
- Panel E: Early Translational Research and Epidemiology**
Topics covered: Tumour imaging
Biomarkers discovery and validation
Diagnostics and prognostic assays
Pre-clinical studies
Environmental epidemiology (physical, biological, chemical)
Clinical epidemiology