

CRS PANELS OF EXPERTS FOR EVALUATING REGULAR 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
Diet, nutrition and phytochemicals
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: Translational research
Cell culture and animal models
Prognostic aspects (markers) of advanced cancer
Angiogenesis
Late events implicated in cancer progression
Metastasis progression model
Cell adhesion and invasiveness