

List of Experiment Proposals for the 5th Meeting of the Bio-PAC (June 24/25, 2010)

Proposal ID	Spokesperson	GSI Contact Person	Title
BIO-05-002	Kamlah, Florentine, Dr.	Fournier, Claudia	Role of hypoxia-inducible transcription factors and angiogenesis for the treatment efficacy of carbon ion radiation in the lung cancer model
BIO-05-003	Ritter, Sylvia, Dr.	Ritter, Sylvia	Investigation of high LET induced late cellular effects with relevance to cardiovascular diseases
BIO-05-004	Sørensen, Brita Singers, Dr.	Scholz, Michael	Therapeutic gain and normal tissue damage in a CDF1 mouse model
BIO-05-005	Mueller-Klieser, Wolfgang, Prof. Dr.	Taucher-Scholz, Gisela	Impact of heavy ion irradiation on migration and invasion of tumor cells
BIO-05-006	Müller, Mareike	Taucher-Scholz, Gisela	Effects of heavy ions on liver and pancreas tissue slices
BIO-05-007	Fournier, Claudia, Dr.	Fournier, Claudia	Radiation induced anti-inflammatory effects in a human cell co-culture model of epithelium and connective lung tissue
BIO-05-008	Kraft-Weyrather, Wilma, Dr.	Kraft-Weyrather, Wilma	Experiments with energy modulated particle beams and biological verification of carbon ion treatment planning
BIO-05-009	Jakob, Burkhard, Dr.	Jakob, Burkhard	SPATIOTEMPORAL ORGANIZATION OF RADIATION-INDUCED DNA DAMAGE RESPONSES IN THE CONTEXT OF LET AND CHROMATIN
BIO-05-010	Löbrich, Markus, Prof. Dr.	Taucher-Scholz, Gisela	DNA Damage after High-LET Exposure
BIO-05-011	Rodriguez-Lafrasse, Claire, Prof.	Fournier, Claudia	New targets for increasing the sensitivity of head and neck squamous cell carcinoma stem-like cells to carbon radiation exposure.
BIO-05-012	van Luijk, Peter, Dr.	Fournier, Claudia	Radiobiological effectiveness of Carbon ion irradiation for loss of lung function
PT-05-002	Bert, Christoph, Dr.	Christoph, Bert	Mitigation of the dosimetric impact of target motion
PT-05-004	Martino, Giovanna,	Schardt, Dieter	Physical characterization of therapy beams: Nuclear fragmentation studies for O-16 and He-4 ions
PT-05-005	La Tessa, Chiara, Dr.	La Tessa, Chiara	Characterization of high-energy neutron fields for shielding studies
PT-05-006	Saito, Nami, Dr.	Saito, Nami	Ion beam sensor for internal motion detection
PT-05-007	Enghardt, Wolfgang, Prof. Dr.	Schardt, Dieter	Experiments for real time in-vivo dosimetry for ion therapy
PT-05-008	TESTA, Etienne, Dr.	Schardt, Dieter	Detection of prompt gamma-rays to monitor the dose distribution in the patient during an hadrontherapy: test of a multi-detector
PT-05-011	Giesen, Ulrich, Dr.	Schardt, Dieter.	Measurements of W-values for carbon ions in argon, nitrogen and air
PT-05-012	Voss, Kay-Obbe, Dr.	Voss, Kay-Obbe	Further technical development of the GSI ion microbeam for radiobiology