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CENTRE FOR STEM CELL RESEARCH

Seminar and Networking Forum
4pm Monday 30th August 2010
2nd Floor, Medical School North, The University of Adelaide

“Adipose Stem Cells – From Laboratory to Clinical Practice”



Dr Susanna Miettinen

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Susanna Miettinen has graduated from University of Turku, Faculty of Mathematics and Natural Sciences, Department of Biology and she had her PhD degree from Medical School, University of Tampere, Finland. She received docentship (adjunct professorship, cell biology) from University of Tampere.

Susanna started as a researcher at Regea in 2005 under professor Riitta Suuronen’s supervision. Her first tasks were to set up a laboratory and research group for adipose stem cell research. Currently she is the group leader of the Adult Stem Cell Group and the production specialist of stem cell production for clinical use. Her group consists of 3 senior researchers, 10 PhD students and four technicians. The areas of group’s expertise are bone tissue engineering and regulatory issues with stem cell based, tissue engineered products. The goals are to develop new tissue engineered solutions for bone tissue engineering, to upgrade formerly used research procedures to fulfill the requirements of Good Manufacturing Practice (GMP) and to apply this new knowledge in clinics to treat patients with bone defects. So far this work has led to several publications and PhD Thesis. In addition to bone tissue engineering, the group is interested in cartilage, dental and soft tissue applications of stem cells and biomaterials. Since Susanna Miettinen has strong background in cell biology and cancer research, one of the future topics will be to utilize tissue engineering in cancer research.