



## STEM CELL PREPARATION WORKSHOP

Stem cells have attracted an enormous interest in the popular press, some of which has been adverse. Our aim is to help those who want to use this technology to do it as well as possible and educate them on the necessary preparation steps and processes involved.

When using Stem Cell technology it is important to record and make available your processes, numbers and results in a transparent manner. Cause no harm to your patient. Cause no harm to the industry by being transparent and honest in your statements and results. The International Cellular Medicine Society (ICMS) guidelines are available on their website [www.cellmedicinesociety.org](http://www.cellmedicinesociety.org)

This workshop will teach you how to;

- separate stem cells from fat using collagenase or lecithin.
- cell counting using a haemocytometer under the microscope and using an automated cell counter.
- fluorescent staining with live/dead stains to count viable cell numbers.

Growth factors are used to activate the stem cells. We will demonstrate our methods for collecting, concentrating and lysing platelets so as to release these growth factors.

Laser light has also been used to activate stem cells, the Adilight will also be demonstrated.

Stem cell banking is heavily regulated. Banking SVF cells has not been regulated yet. Dr Andrew Davidson will update us on the current and possible future of cell banking.

### Proposed Workshop Program

**Date: Saturday 19 Feb 2011**

**Venue: MCM**

**21B Bathurst St**

**Liverpool NSW**

8:30	<b>Welcome</b>	
9:00	Dr Dan Bates	How to prepare growth factors, plateletes, PRP, PRF, PRG
10:00	Dr Ralph Bright	ICMS guidelines for clinical use of stem cells, laboratories and ethics committees
11:00	<b>Morning tea</b>	
11:15	Dr Dan Bates	How to prepare stem cells in your rooms
12:30	<b>Lunch</b>	
12:30	Pelin & Dr Ralph Bright	Infiltration of tumescent
13:00	Dr Ralph Bright	Harvesting fat
13:30	Pelin	Separating cells from fat using collagenase
15:30	Afternoon tea	
15:45	Dr Ralph Bright	Presentation - Storing fat
16:00	Dr Andrew Davidson	Storing SVF cells
16:30	<b>Dinner</b>	BBQ, beer, wine and cheese

**Participant numbers are limited, please contact Samia on 02 9824 3044  
or email: [samia@macquarielasers.com.au](mailto:samia@macquarielasers.com.au) to register.**