

## **WORK EXPERIENCE/INTERNSHIP PLACEMENT CONFIRMATION**

**Student:** Clemens M.

**Employer:** Company G.  
**Website:** .....

**Address:** R. Road  
French Forest, Sydney  
NSW 2086

**Contact:** Marian S.  
ms@g.....com  
02 88888 9999

**Start Date:** Monday 7<sup>th</sup> July 2003

**Duration:** 8 weeks

**Terms:** Full time\*  
Voluntary Unpaid

**Company Profile:** G. is a global biotechnology company that researches, develops, manufactures and markets separation technologies for the life sciences market, and blood clotting tests for genetic disorders for the health industry.

### **Internship Description:**

The project would involve using a preparative electrophoresis instrument that we are developing. This instrument is currently a prototype and protein separation is carried out by isoelectric focussing. It is a further development of the BF 400 instrument that we launched into the market place recently.

As you will see from our web site, the BF 400 separates proteins by size and charge, while the new prototype IEF separates by Isoelectric point. In the new instrument the separation membranes are buffered using Ampholytes (as in IPG strips used for 2D gels).

I have not formulated a definite project at this stage. However, it would involve protein separations using the preparative IET (Isoelectric trapping) instrument and characterisation of the protein fractions by analytical electrophoresis and immunological methods.

