

Blizard STARS (Science Training for Aspiring Research Scientists) Programme

Outline of Programme

There will be a morning session and an afternoon session. Each day ends with a debrief to discuss what we have learned.

| Date | Morning (10am-noon) | Afternoon (1-4pm) |
|------------------|--|---|
| Monday | <p style="text-align: center;">Theme: Welcome to the Blizard and lab work</p> <p style="text-align: center;">Welcome address and lab induction</p> | <p style="text-align: center;">Theme: Cells and how to handle them</p> <p style="text-align: center;">Practical 1: Pipetting exercises; how to grow cells in culture</p> |
| Tuesday | <p style="text-align: center;">Theme: DNA – the recipe book of life</p> <p style="text-align: center;">Practical 2: DNA extraction</p> | <p style="text-align: center;">Theme: DNA – the recipe book of life</p> <p style="text-align: center;">Practical 3: DNA gel electrophoresis and analysis</p> |
| Wednesday | <p style="text-align: center;">Theme: Dismantling cells to study their proteins</p> <p style="text-align: center;">Practical 4: SDS-PAGE</p> | <p style="text-align: center;">Theme: Dismantling cells to study their proteins</p> <p style="text-align: center;">Practical 5: Western blot analysis</p> |
| Thursday | <p style="text-align: center;">Theme: University and careers day</p> <p style="text-align: center;">Careers workshop</p> | <p style="text-align: center;">Theme: University and careers day</p> <p style="text-align: center;">Meet with medical undergraduates and clinical registrars</p> |
| Friday | <p style="text-align: center;">Theme: Using human tissue samples to study diseases</p> <p style="text-align: center;">Practical 6: Immunostaining tissue</p> | <p style="text-align: center;">Theme: Using human tissue samples to study diseases</p> <p style="text-align: center;">Practical 7: Imaging tissue sections</p> <p style="text-align: center;">3pm: Complete feedback forms Graduation ceremony and refreshments Goodbye and Good Luck!</p> |