

# Cell Therapy Manufacturing Bootcamp

**E51-151**

## Monday 13 July

| Time          | Lecture Title                                          | Instructor(s)                      |
|---------------|--------------------------------------------------------|------------------------------------|
| 8:30-9:00am   | Program Registration & Breakfast                       | Professional Ed HQ                 |
| 9:30-9:45am   | Introductions                                          | All instructors                    |
| 10:00-11:30am | Industry Tour at Vericel                               | Tour starts at 10:30am             |
| 12:00-12:45pm | LUNCH                                                  |                                    |
| 12:45-1:45 pm | History and Current State of the Cell Therapy Industry | Stacy Springs & Jacqueline Wolfrum |
| 1:45-3:00pm   | Overview of immunology and cellular immunotherapies    | Amin Aalipour                      |
| 3:00-3:15pm   | Break                                                  |                                    |
| 3:15-4:30pm   | Principles of cell therapy manufacturing-1             | Stacy Springs & Jacqueline Wolfrum |
| 4:30-5:30pm   | Introduction of Case Study activity                    | Stacy Springs & Jacqueline Wolfrum |

## Tuesday 14 July

| Time            | Lecture Title                              | Instructor(s)                      |
|-----------------|--------------------------------------------|------------------------------------|
| 9:00-9:30am     | Breakfast                                  |                                    |
| 9:30-10:30am    | Principles of cell therapy manufacturing-2 | Stacy Springs & Jacqueline Wolfrum |
| 10:30-10:45am   | BREAK                                      |                                    |
| 10:45am-12:15pm | Clinical trial development and operations  | Delfi Krishna                      |
| 12:15-1:15pm    | LUNCH                                      |                                    |
| 1:30-4:00pm     | Industry Tour                              | Tour starts at 2:00pm              |
| 4:00-5:30pm     | Group Work on Case Study activity          | Learners & all instructors         |
| 6:00pm          | Group Dinner                               |                                    |

**Wednesday 15 July**

| <b>Time</b>     | <b>Lecture Title</b>                          | <b>Instructor(s)</b>               |
|-----------------|-----------------------------------------------|------------------------------------|
| 9:00-9:30am     | Breakfast                                     |                                    |
| 9:30-10:30am    | Go-to-market model for cell therapy           | Delfi Krishna                      |
| 10:30-10:45am   | BREAK                                         |                                    |
| 10:45am-12:15pm | Analytics of cell therapy manufacturing-1     | Stacy Springs & Jacqueline Wolfrum |
| 12:15-1:15pm    | LUNCH                                         |                                    |
| 1:15-2:15pm     | Regulatory considerations for manufacturing-1 | Jacqueline Wolfrum                 |
| 2:15-3:15pm     | Analytics of cell therapy manufacturing-2     | Stacy Springs & Jacqueline Wolfrum |
| 3:15-3:30pm     | BREAK                                         |                                    |
| 3:30-5:00pm     | Group Work on Case Study activity             | Learners & all instructors         |

**Thursday 16 July**

| <b>Time</b>     | <b>Lecture Title</b>                          | <b>Instructor(s)</b>               |
|-----------------|-----------------------------------------------|------------------------------------|
| 9:00-9:30am     | Breakfast                                     |                                    |
| 9:30-10:15am    | Lentivirus manufacturing                      | Stacy Springs & Jacqueline Wolfrum |
| 10:15-11:00am   | Industrialization of cell therapies           | Stacy Springs & Jacqueline Wolfrum |
| 11:00-11:15am   | BREAK                                         |                                    |
| 11:15am-12:15pm | Regulatory considerations for manufacturing-2 | Jacqueline Wolfrum                 |
| 12:15-1:15pm    | LUNCH                                         |                                    |
| 1:15-2:15pm     | Case Study activity—Final outputs             | Learners & all instructors         |