**Respiratory Sciences BSc Module 3 Undergraduate Teaching Programme. All lectures are in Seminar Room 2, Royal Brompton Hospital, Sydney Street.**

**Theme 1 An Introduction to Epidemiology, Allergy & Infection in Respiratory Medicine**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | MONDAY 31st Dec | TUESDAY 1st Jan | WEDNESDAY 2nd Jan | THURSDAY 3rd Jan | FRIDAY 4th Jan |
| 8.00-9.00 | **Closure Day** | **Public Holiday** |  |  | Respiratory Grand Rounds |
| 9.00-10.00 | Introduction  **MR Edwards** |  |  |
| 10.00-11.00 | Overview of the Immune System  **P Openshaw** | **10.00** Identifying causes of disease  **D Jarvis** | Overview of Innate Immunity  **MR Edwards** |
| 11.00-12.00 | **11.00** Prevalence of asthma, allergy and COPD  **D Jarvis**  **Self directed learning exercise provided** | **11.00** Tutorial – identifying causes of disease **D Jarvis** | Overview of Adaptive Immunity  **N Glanville** |
| 12.00-1.00 LUNCH |  |  |  |
| 1.00-2.00 |  | **13.00-15.00**  Nutrition and respiratory disease  **V Garcia-Larsen** | Tutorial: Q&A  **MR Edwards** |
| 2.00-3.00 |  |
| 3.00-4.00 | Self Directed Learning | Self Directed Learning |

**Theme 2 Interplay between Infection and allergy in Respiratory Medicine**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | MONDAY 7th Jan | TUESDAY 8th Jan | WEDNESDAY 9th Jan | THURSDAY 10th Jan | FRIDAY 11th Jan |
| 8.00-9.00 |  |  | Self Directed Learning | Self Directed Learning | Respiratory Grand Rounds |
| 9.00-10.00 | Epidemiological basis of the Hygiene Hypothesis **D Jarvis** | Allergies & Allergens  **N Bradshaw** | **Grp 1:** Tutorial: The riddle of house dust mite  **MR Edwards & N.Farhadi** |
| 10.00-11.00 | Tutorial - Hygiene Hypothesis Tutorial  **D Jarvis** | The basis of Neonatal Immunology **F Culley** | **Grp 2:** Tutorial: The riddle of house dust mite  **MR Edwards & N.Farhadi** |
| 11-12.00 | Early life infections and Asthma Risk  **P Openshaw** | Exacerbations of Asthma **N Bartlett** | Self Directed Learning |
| 12.00-1.00 LUNCH |  |  |  |
| 1.00-2.00 | **Grp 1:** Tutorial Changing Paradigms in T cell Subsets **N. Farhadi & T. Peel** | Self Directed Learning |  |
| 2.00-3.00 | **Grp 2:** Tutorial Changing Paradigms in T cell Subsets **N. Farhadi & T. Peel** |
| 3.00-4.00 | Assessment Allocation  **M Shamji** |

**Theme 3 Immunomodulation of Allergy & Infections**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | MONDAY 14th Jan | TUESDAY 15th Jan | WEDNESDAY 16th Jan | THURSDAY 17th Jan | FRIDAY 18thJan |
| 8.00-9.00 |  |  |  |  | Respiratory Grand Rounds |
| 9.00-10.00 | Treatment Strategies for Allergic Disease  **G Scadding** | **Grp 1: Practical will be in MDL1, Bays A-C, SAFB, SK campus**  Elispot Practical | **Grp 2: Practical will be in MDL2, Bays A-C, SAFB, SK campus**  Elispot Practical | An introduction to vaccines  **J Tregoning** | Self Directed Learning |
| 10.00-11.00 | Allergens & Immunotherapy  **S Durham** | The pathogenesis of a flu pandemic  **J Dunning** |
| 11-12.00 | Mechanisms of Allergen Immunotherapy  **M Shamji** | Self Directed Learning |
| 12.00-1.00 LUNCH |  |  |  |  |
| 1.00-2.00 | **Grp 1: Meet Dr Shamji Reception,**  **Allergy & Clinical Immunology Labs. SAFB, SK campus.**  Elispot Practical | **Grp 2 Meet Dr Shamji in MDL1, Bays A-C, SAFB, SK campus**  Elispot Practical |  | **Grp 1:** Tutorial: Emerging Treatments for Allergy & Infection **MR Edwards** |
| 2.00-3.00 | **Grp 2:** Tutorial: Emerging Treatments for Allergy & Infection **MR Edwards** |
| 3.00-4.00 | Self Directed Learning |

**Theme 4 Prevention of Respiratory Disease**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | MONDAY 21st Jan | TUESDAY 22nd Jan | WEDNESDAY 23rd Jan | THURSDAY 24th Jan | FRIDAY 25th Jan |
| 8.00-9.00 |  |  |  |  | Respiratory Grand Rounds |
| 9.00-10.00 | Non-allergic Mechanisms of Allergy  **S Till** | **Assessment: Student Presentations** | The role of screening in chronic respiratory disease  **D Jarvis** | **0900-1015** Bakery surveillance: immunology in action **Prof P Cullinan** | Self Directed Learning |
| 10.00-11.00 | Immunology of Asthma and Allergies  **S Till** | Tutorial - Further concepts in respiratory disease  **D Jarvis** | **1045-12** Immunology of occupational asthma  **M Jones** |
| 11-12.00 | Self Directed Learning | Self Directed Learning |
| 12.00-1.00 LUNCH |  |  |  |  |
| 1.00-2.00 | **Assessment: Student Presentations** | **Assessment: Student Presentations** |  | Prevention of Allergy  **L James** |
| 2.00-3.00 | Bacteria in asthma & COPD  **P Mallia** |
| 3.00-4.00 | Self Directed Learning |

**Theme 4 Prevention of Respiratory Disease (cont.)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | MONDAY 28th Jan | TUESDAY 29th Jan | WEDNESDAY 30th Jan | THURSDAY 31st Jan | FRIDAY 1st Feb |
| 8.00-9.00 |  |  |  |  | Respiratory Grand Rounds |
| 9.00-10.00 | Self Directed Learning | Self Directed Learning | Epidemiological and Clinical Aspects of TB  **A Lalvani** | **Grp 1:** Tutorial: Data Interpretation **N Bartlett & R Walton** |  |
| 10.00-11.00 | Immunology & Microbiology of TB Infection  **D. Connell** | **Grp 2:** Tutorial: Data Interpretation **N Bartlett & R Walton** | **1000** Course Summation  **MR Edwards, D Jarvis M Shamji** |
| 11-12.00 | Prevention of Bacterial Infections  **M Habibi** | Pandemic Influenza  **W Barclay** | Self Directed Learning |
| 12.00-1.00 | **12.00-1.30** Assessment: Timed Exercise **G16 LT, SAFB, SK campus.**  **D Jarvis** |  |  |
| 1.00-2.00 |  | Self Directed Learning |
| 2.00-3.00 | Emerging zoonotic respiratory viruses  **M Skinner** |
| 3.00-4.00 |  |