



**TENTATIVE PROGRAM**  
**Institut Pasteur International Network Course 2017**  
**« Infectious diseases pathogenesis in Asia/Pacific »**  
**at the Institut Pasteur of Shanghai**

**Thursday 4<sup>th</sup> May: Overview of host/pathogen interactions**

|       |  |  |
|-------|--|--|
| 8:30  | Homeostasis of immune responses                                      | Sebastian Amigorena<br><i>Institut Curie, Paris</i><br><i>French Academy of Sciences</i> |
| 9:45  | Innate responses   | Guangxun Meng<br><i>Institut Pasteur Shanghai</i>  |
| 11:00 | Coffee break   |  |
| 11:15 | Adaptive responses (humoral and cell responses)                      | Brigitte Autran<br><i>La Pitié Salpêtrière Hospital, Paris</i>                           |
| 12:30 | Lunch  |  |
| 14:00 | Acute and chronic responses, the damageable aspects of host response | Hong Tang<br><i>Institut Pasteur Shanghai</i>  |
| 15:15 | Coffee break   |  |
| 15:30 | <b>WORKSHOP: Functional genetics of infectious diseases</b>          | Anavaj Sakuntabhai<br><i>Institut Pasteur Paris</i><br><i>University of Kyoto</i>        |

**Friday 5<sup>th</sup> May: Introduction to virology**

|       |  |  |
|-------|--|--|
| 8:30  | Virus taxonomy and virus life cycle                          | Noël Tordo<br><i>Institut Pasteur Paris</i><br><i>Institut Pasteur Guinea</i>  |
| 9:45  | Evolution and structure of viruses                           | Félix Rey<br><i>Institut Pasteur Paris,</i><br><i>French Academy of Sciences</i>   |
| 11:00 | Coffee break   |  |
| 11:15 | Variability of RNA viruses                                   | Marco Vignuzzi<br><i>Institut Pasteur Paris</i>  |
| 12:30 | Lunch  |  |
| 14:00 | Introduction to pandemic and epidemic diseases - Zoonosis    | Amadou Sall<br><i>Institut Pasteur Dakar</i>   |
| 15:15 | Coffee break   |  |
| 15:30 | Immunodeficiencies and susceptibility to pathogen infections | Alain Fischer<br><i>Necker Enfants Malades Hospital,</i><br><i>French Academy of Sciences, Collège de</i><br><i>France</i> |

**Monday 8<sup>th</sup> May: Viral pathogenesis**

|       |   |   |
|-------|---|---|
| 8:30  | Viruses and vectors   | Didier Fontenille<br><i>Institut Pasteur Cambodia</i>   |
| 9:45  | Arboviruses (Bunyaviridae family)   | Pierre-Yves Lozach<br><i>EMBL, Germany</i>  |
| 11:00 | Coffee break  |   |
| 11:15 | Arboviruses (Flaviviridae & Togaviridae families)                           | Dimitri Lavillette<br><i>Institut Pasteur Shanghai</i>  |
| 12:30 | Lunch   |   |
| 14:00 | <b>WORKSHOP:</b> Infectious diseases - Emergency preparedness and responses | Jean-Claude Manuguerra<br><i>Institut Pasteur Paris</i><br>Zhiming YUAN<br><i>Wuhan Institute of Virology</i> |

**Tuesday 9<sup>th</sup> May: Viral pathogenesis/malaria**

|       |  |   |
|-------|--|---|
| 8:30  | Highly pathogenic hemorrhagic viruses      | Sylvain Baize<br><i>Institut Pasteur Lyon, BSL4</i>   |
| 10:30 | Coffee break                               |   |
| 10:45 | Leptospirosis                              | Gerald Spaeth<br><i>Institut Pasteur Paris</i>        |
| 12:30 | Lunch                                      |   |
| 14:00 | <b>WORKSHOP:</b> Malaria                   | Lubin Jiang (IPS)<br><i>Institut Pasteur Shanghai</i> |
| 15:30 | <b>WORKSHOP:</b> Malaria - Drug resistance | Didier Ménard<br><i>Institut Pasteur Cambodia</i>     |

**Wednesday 10<sup>th</sup> May: Viral pathogenesis**

|       |   |   |
|-------|---|---|
| 8:30  | Orthomyxovirus, coronaviruses and other respiratory viruses | Malik Peiris<br><i>Hong Kong University</i>         |
| 10:30 | Coffee break  |   |
| 10:45 | Enteroviruses   | Francis Delpeyroux<br><i>Institut Pasteur Paris</i> |
| 12:30 | Lunch   |   |
| 14:00 | <b>WORKSHOP:</b> Oncogenic viruses                          | Lan Ke<br><i>Institut Pasteur Shanghai</i>          |

**Thursday 11<sup>th</sup> May: Viral pathogenesis**

|       |   |  |
|-------|---|--|
| 8:30  | Hepatotropic viruses  | Jin Zhong<br><i>Institut Pasteur Shanghai</i>  |
| 10:30 | Coffe break   |  |
| 10:45 | Hepatotropic viruses  | Yu WEI<br><i>Institut Pasteur Shanghai</i>   |
| 12:30 | Lunch   |  |
| 14:00 | <b>WORKSHOP:</b> Introduction to systems biology: from high-content screening technologies to computational biology | Marc Windisch,<br><i>Institut Pasteur Korea</i><br>Hao Pei<br><i>Institut Pasteur Shanghai</i> |

**Friday 12<sup>th</sup> May: Viral pathogenesis**

|             |  |  |
|-------------|--|--|
| 8:30        | HIV infection, AIDS pathogenesis                             | Linqi ZHANG<br><i>University of Edinburgh</i>        |
| 10:30       | Coffee break   |  |
| 10:45       | HIV infection, AIDS pathogenesis                             | Lisa Chakrabarti<br><i>Institut Pasteur Paris</i>    |
| 12:30       | Lunch  |  |
| 14:00-17:00 | <b>WORKSHOP:</b> Prophylaxis & treatment of viral infections | Xia /Huang Zhong<br><i>Institut Pasteur Shanghai</i> |

**Monday 15<sup>th</sup> May: Bacteria, parasite**

|             |   |   |
|-------------|---|---|
| 8:30        | Tuberculosis/Resistances  | Brigitte Gicquel<br><i>Institut Pasteur Paris</i><br><i>Institut Pasteur Shanghai</i> |
| 9:45        | Tuberculosis/Resistances  | Gao Qian<br><i>Fudan University, Shanghai</i>   |
| 11:00       | Coffee break  |   |
| 11:15       | Rabies  | Hervé Bourhy<br><i>Institut Pasteur Paris</i>   |
| 12:30       | Lunch   |   |
| 14:00-17:00 | <b>PRACTICAL LEARNING:</b> Starting with cell culture adherent/non adherent cells | Qibin Leng<br><i>Institut Pasteur Shanghai</i>  |

**Tuesday 16<sup>th</sup> May: Fungus, viral vectors**

|             |   |  |
|-------------|---|--|
| 8:30        | Fungal infections   | Changbin Chen<br><i>Institut Pasteur Shanghai</i>  |
| 10:30       | Coffee break  |  |
| 10:45       | Viral vectors   | Dongming Zhou<br><i>Institut Pasteur Shanghai</i>  |
| 12:30       | Lunch   |  |
| 14:00-17:00 | <b>PRACTICAL TEACHING:</b> Cell phenotyping, flow cytometry | Xiaoming Zhang<br><i>Institut Pasteur Shanghai</i> |

**Wednesday 17<sup>th</sup> May (whole day) – Thursday 18<sup>th</sup> May (8:30-12:30): Practical teaching**

|  |  |
|--|--|
| <b>PRACTICAL TEACHING:</b> Virus inoculation/titration                     | Zhikang qian<br><i>Institut Pasteur Shanghai</i> |
| <b>PRACTICAL TEACHING:</b> Imaging viral infection                         | Gang Long<br><i>Institut Pasteur Shanghai</i>    |
| <b>PRACTICAL TEACHING:</b> Molecular diagnostics of viral infections       | Chiyu Zhang<br><i>Institut Pasteur Shanghai</i>  |
| <b>PRACTICAL TEACHING:</b> Bioinformatics: comparative genomics of viruses | Pei Hao<br><i>Institut Pasteur Shanghai</i>      |

**Thursday 18<sup>th</sup> May (14:00-16:00): Evaluation**