

**CAMB/IMM 6090: Vaccines & Immune Therapy Fall 2023**

Time: 3:30 PM – 5:30 PM

Location: The Wistar Institute

Caplan Auditorium / Zoom

Instructors: David Weiner, Paul Offit, Stanley Plotkin, Emilio Emini

Class Coordinator: Jeneice Hubert

V-Virtual Lecture / **IP** – In Person Lecture

| <b><u>Date</u></b> | <b><u>Title</u></b>  | <b><u>Lecturer</u></b>                    |
|--------------------|--|---|
| <b>Sept 13</b>     | Welcome  | David Weiner – Wistar <b>IP</b>           |
|                    | Case Studies in End-to-End Vaccine Research and Development                        | Annaliesa Anderson – Pfizer <b>IP</b>     |
| <b>Sept 14</b>     | Vaccine History  | David Weiner - Wistar <b>IP</b>           |
| <b>Sept 20</b>     | Rotavirus Vaccines   | Paul Offit – CHOP <b>IP</b>               |
| <b>Sept 21</b>     | Cellular Immune Responses  | Michael Betts – PENN <b>IP</b>            |
| <b>Sep 27</b>      | B Cells, Antibodies, & Humoral Immune Response                                     | David Allman – PENN <b>IP</b>             |
| <b>Sept 28</b>     | <b>TBA</b>   | German Anez – Merck <b>IP</b>             |
| <b>Oct 4</b>       | Nucleoside Modified mRNA-LNP Therapeutics  | Drew Weissman – UPENN <b>IP</b>           |
|                    | Developing a heterologous prime-boost Ebola vaccine – challenges and opportunities | Ruxandra Draghia-Akli – Janssen <b>IP</b> |
| <b>Oct 5</b>       | Adoptive Cell Therapy for Cancer   | Marco Ruella – UPENN <b>IP</b>            |
| <b>Oct 11</b>      | <b>TBD</b>   |   |
| <b>Oct 12</b>      | <b>NO CLASS - UPENN FALL BREAK</b>   |   |
| <b>Oct 18</b>      | Correlates of Protection by Vaccines   | Stanley Plotkin – Emeritus <b>IP</b>      |

**JENEICE HUBERT**

Weiner Lab Coordinator

Assistant to: Dr. David B. Weiner

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| <u>Date</u>   | <u>Title</u>  | <u>Lecturer</u>   |
|---------------|---|---|
| <b>Oct 19</b> | Building Trust to Achieve Vaccine Confidence  | Rodney Finalle – Merck <b>IP</b>  |
|               | Passive Immunization with Suvratoxumab<br>To Prevent S. Aureus Ventilator Associated Pneumonias | Mark Esser – AstraZeneca <b>IP</b>  |
| <b>Oct 25</b> | Structure-based Vaccines  | Daniel Kulp – Wistar <b>IP</b>  |
| <b>Oct 26</b> | Novel technologies to develop AMR vaccines &<br>Vaccines against AMR pathogens                  | Sanjay Phogat – GSK <b>IP</b>   |
| <b>Nov 1</b>  | Regulatory Considerations for<br>Preventative Vaccines  | Anuja Rastogi – FDA <b>IP</b>   |
|               | Understanding Vaccine Safety<br>After Licensure   | Meghna Alimchandani – FDA <b>IP</b>   |
| <b>Nov 2</b>  | Vaccines for Infectious Diseases that<br>Disproportionately Impact the Poor                     | Penny Heaton – Janssen <b>IP</b>  |
|               | The Role of antibodies in RSV prevention:<br>The story of Nirsevimab                            | Tonya Villafana – AstraZeneca <b>IP</b>                                     |
| <b>Nov 8</b>  | The Challenges of Vaccine Development:<br>Technical, Financial, and Political                   | Emilio Emini – Bill & Melinda Gates<br>Medical Research Institute <b>IP</b> |
|               | Pneumococcal Conjugate Vaccine  | Kara Bickham – Pfizer <b>IP</b>   |
| <b>Nov 9</b>  | Maternal Immunization & RSV   | Kathrin Jansen <b>IP</b>  |
|               | Vaccine development against human<br>Herpes viruses: Success and Challenges                     | Sita Awasthi – UPENN <b>IP</b>  |
| <b>Nov 15</b> | Personalized Cancer Vaccines  | Gerald Linette – UPENN <b>IP</b>  |
|               | Required Reading - Books Distributed<br>Final Exam Review & Topics                              | Class Coordinator   |
| <b>Nov 16</b> | <b>NO CLASS</b>   |   |
| <b>Nov 22</b> | <b>NO CLASS – THANKSGIVING HOLIDAY</b>  |   |
| <b>Nov 23</b> | <b>NO CLASS – THANKSGIVING HOLIDAY</b>  |   |

| <u>Date</u> | <u>Title</u>  | <u>Lecturer</u>                   |
|-------------|---|-----------------------------------|
| Nov 29      | Vaccine Safety  | Paul Offit – CHOP <b>IP</b>       |
|             | Cure-HIV  | Luis Montaner – Wistar <b>IP</b>  |
| Nov 30      | Overview of the Advisory Committee<br>on Immunization practices (ACIP)<br>Example: Hepatitis A Disease and Vaccines | Michelle Goveia – Merck <b>IP</b> |
| Dec 6       | Meningococcal Vaccines  | Lucy McNamara – CDC <b>V</b>      |
|             | Developing a SARS CoV-2<br>Vaccine at Warp Speed  | Paul Offit – CHOP <b>IP</b>       |
| Dec 7       | <b>NO CLASS</b>   |                                   |
| Dec 13 & 14 | Final Exam Event  | Course Examiners                  |

**Virtual Link:**

**CAMB-IMM 6090 Vaccines & Immune Therapy Course**

Join Zoom Meeting

<https://us02web.zoom.us/j/88490184502?pwd=UzlrWFBlaE5iRng5UDhPOXJPeGllQT09>

Meeting ID: 884 9018 4502

Passcode: 088337

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