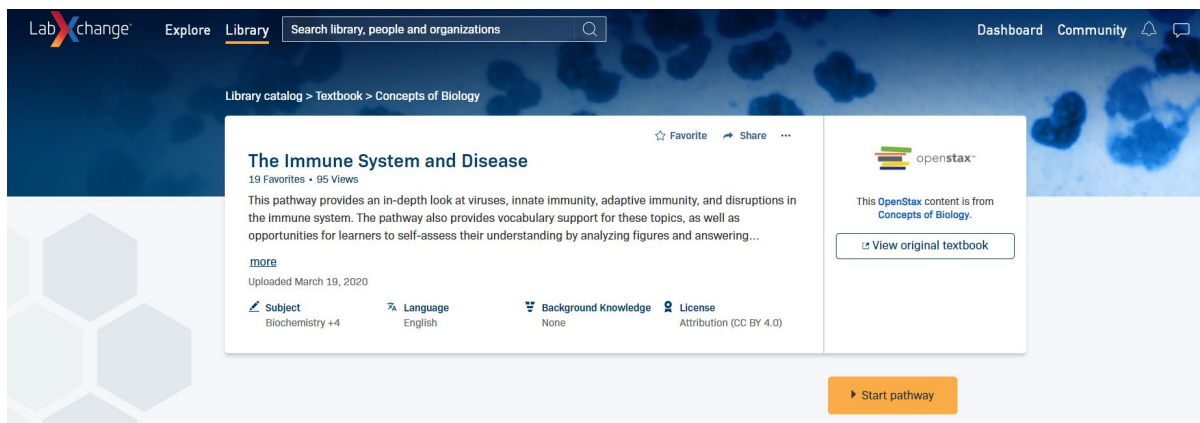


Unit 6: The Immune System & Disease



The screenshot shows the LabXchange library interface. At the top, there is a search bar and navigation links for 'Explore', 'Library', 'Dashboard', and 'Community'. The main content area displays the title 'The Immune System and Disease' with 19 favorites and 95 views. A brief description states: 'This pathway provides an in-depth look at viruses, innate immunity, adaptive immunity, and disruptions in the immune system. The pathway also provides vocabulary support for these topics, as well as opportunities for learners to self-assess their understanding by analyzing figures and answering...'. Below the description, there are filters for Subject (Biochemistry +4), Language (English), Background Knowledge (None), and License (Attribution (CC BY 4.0)). A 'View original textbook' button is visible on the right. At the bottom right, there is a 'Start pathway' button.

Learning objectives

1. You will describe how viruses were first discovered and how they are detected.
2. You will explain the detailed steps of viral replication.
3. You will describe how vaccines are used in prevention and treatment of viral diseases.
4. You will describe the body's innate physical and chemical defenses.
5. You will explain the inflammatory response.
6. You will describe the complement system.
7. You will explain adaptive immunity.
8. You will describe cell-mediated immune response and humoral immune response.
9. You will describe immune tolerance.
10. You will describe hypersensitivity.
11. You will define autoimmunity.