

『免疫生物学原書第9版』 アニメーションの視聴方法について

本書では、本文の内容に対応したアニメーション（英語）が用意されています。“Movie”のアイコンを見つけたら、下記ウェブサイトアクセスしてメールアドレスを登録のうえご覧ください。

<https://digital.wwnorton.com/janeway9>

以下のページでは登録・視聴の方法を説明します。
※視聴できる期間は登録から360日間です。

The screenshot shows a website interface for an animation. On the left, there is a red circle around a button labeled "MOVIE 1.1" with a play icon. To the right of this button is a paragraph of Japanese text. Below the text is a video player window. The video player shows a diagram of a dendritic cell (yellow) interacting with a red, spiky structure labeled "lipopolysaccharide (LPS)". A text box in the video says "which are components of the cell membranes of all gram-negative bacteria." The video player has a progress bar at 00:26 and a "CC" icon. Below the video player, the text "1.1 Innate Recognition of Pathogens" is visible.

細胞を活性化するために必要な抗原および補助刺激分子の両方を発現している。このようにして樹状細胞はリンパ球の増殖と分化を刺激する。

に提示することへとつながり、こうしてリンパ球の抗原レセプターを活性化する。PRRの活性化は同時に樹状細胞上の補助刺激分子 co-stimulatory molecule と呼ばれる細胞表面蛋白質の発現を誘導する。補助刺激分子はT細胞を増殖分化させて最終的に完全に機能できる状態にすることができる (図 1.19)。こうしたことから樹状細胞は抗原提示細胞 antigen-presenting cell (APC) と呼ばれ、自然免疫応答と適応免疫応答との重要な連結点である (図 1.20)。特定の状況では、マクロファージとB細胞も抗原提示細胞として振る舞うことができるが、樹状細胞が適応免疫応答を開始するのに特化した細胞なのである。遊離抗原もB細胞の抗原レセプターを刺激することができるが、ほとんどのB細胞は至適な抗原応答をするためには活性化ヘルパーT細胞からの「補助」を必要とする。したがってマクロファージT細胞の活性化は、実質上すべての適応免疫応答

lipopolysaccharide (LPS)

which are components of the cell membranes of all gram-negative bacteria.

00:26

1.1 Innate Recognition of Pathogens

<https://digital.wwnorton.com/janeway9>

にアクセスし、画面右上の「Sign in or Register」を押します。

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**Janeway's
Immunobiology**
NINTH EDITION
Murphy, Weaver

Purchase Options

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Student Site

Animations

Getting Started

フォームにメールアドレスとパスワードを入力します。下のボタンを選んでから次へ進みます。

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No, I need to register, purchase, or sign up for trial access.

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Student Site Animations Getting Started

氏名の他，前画面で入力したメールアドレスとパスワードを入力し，真ん中のボタンを選んでから次へ進みます。

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IMMUNOBIOLOGY

Digital Resources for *Janeway's Immunobiology*

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John Doe

john.doe@example.com

.....

.....

How would you like to get access?

I have a **registration code**:

I want to view **purchase options**
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I want to sign up for 21 days of **trial access**

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チェックボックスにチェックを入れた後、プルダウンメニューから“not a student”を選んで次へ進みます。

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Options

Digital Resources for *Janeway's Immunobiology*

What would you like to purchase?

FREE	Student Site for <i>Janeway's Immunobiology</i> <i>360-day access</i>	<input checked="" type="checkbox"/>
FREE	Animations for <i>Janeway's Immunobiology</i> <i>360-day access</i>	<input checked="" type="checkbox"/>

i Purchase of an ebook includes access to associated digital materials for the book.

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Student Site Animations Getting Started

“Get Started!”のボタンを押してメールアドレスの登録を完了します。

The screenshot shows the digital resources page for *Janeway's Immunobiology*, Ninth Edition, by Murphy and Weaver. The page header includes the W. W. Norton logo and the text "W. W. Norton & Company, Inc. INDEPENDENT PUBLISHERS SINCE 1925". The main title is "DIGITAL RESOURCES" with a "Sign in or Register" link and a settings icon. A "Purchase Options" button is visible. A modal window is open, displaying the following text:

Digital Resources for *Janeway's Immunobiology*

You're good to go!

Name: John Doe
Email: john.doe@example.com
Password:

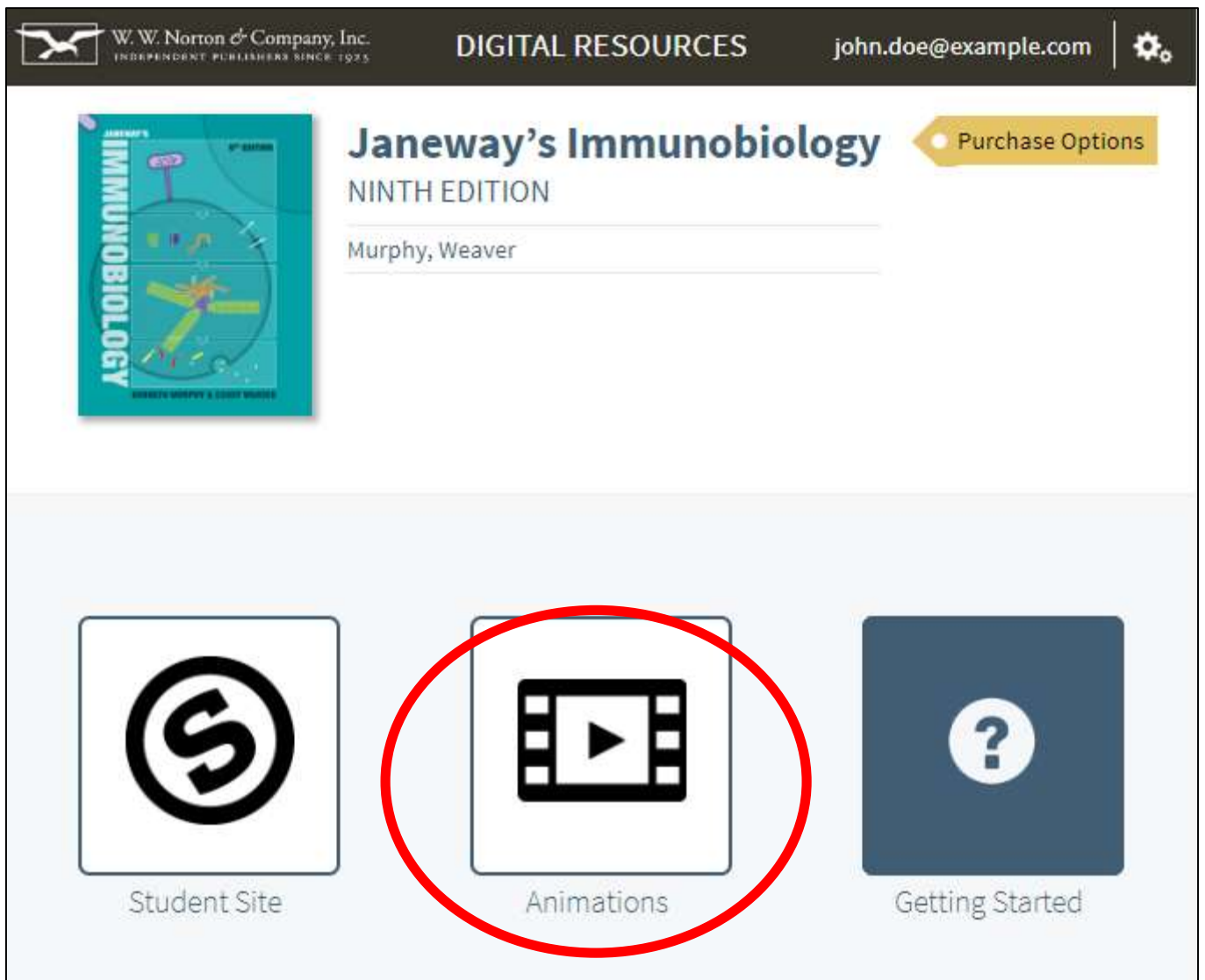
You will receive a receipt for your purchase via email.

[→ Get Started!](#)

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At the bottom of the page, there are three navigation buttons: "Student Site", "Animations", and "Getting Started". The "Getting Started" button is highlighted in blue.


“Animations”のボタンを押します。



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DIGITAL RESOURCES

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Janeway's Immunobiology
NINTH EDITION

Murphy, Weaver

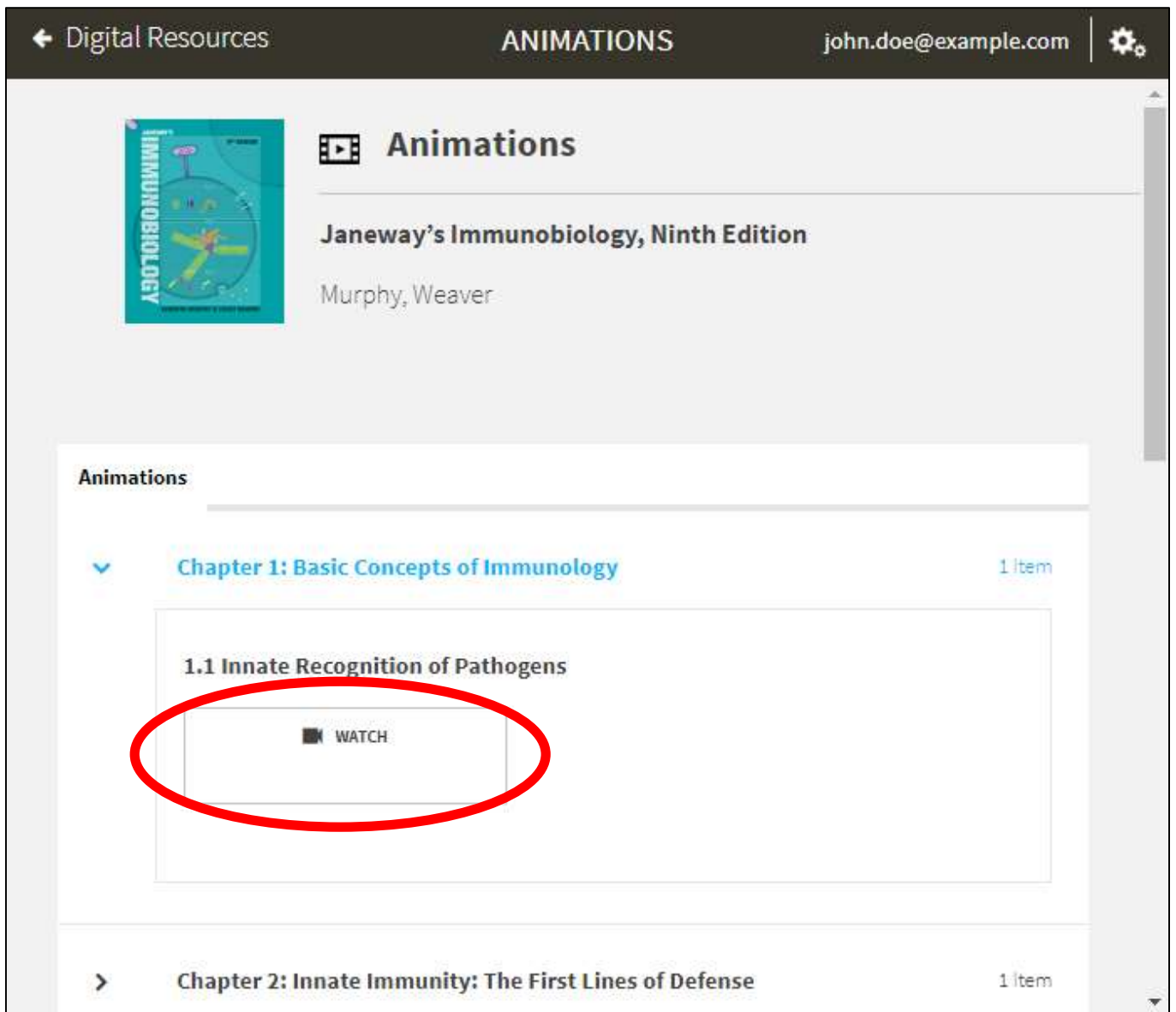
Purchase Options

Student Site

Animations

Getting Started

章ごとに分かれてアニメーションのタイトルが表示されます。"WATCH"ボタンを押して視聴をお楽しみください。



The screenshot shows a web interface for digital resources. At the top, there is a navigation bar with a back arrow, the text "Digital Resources", the title "ANIMATIONS", the user email "john.doe@example.com", and a settings gear icon. Below the navigation bar, there is a section for "Animations" featuring a book cover for "IMMUNOBIOLOGY" and the text "Janeway's Immunobiology, Ninth Edition" by Murphy, Weaver. The main content area is titled "Animations" and contains a list of chapters. The first chapter, "Chapter 1: Basic Concepts of Immunology", is expanded to show a sub-section "1.1 Innate Recognition of Pathogens". A red oval highlights a "WATCH" button with a play icon next to it. Below this, the second chapter "Chapter 2: Innate Immunity: The First Lines of Defense" is partially visible.