

# HSTalks

The Biomedical & Life Sciences Collection

生物医学与生命科学视频数据库

與國際大師面對面



上海飞资得信息技术



# The Biomedical & Life Sciences Collection

Lectures by leading world experts

## 大纲

1

认识 HST-The Biomedical & Life Sciences Collection

2

The Biomedical & Life Sciences Collection 能做什么

3

The Biomedical & Life Sciences Collection 特色介绍



观看影片，聆听专家讲座！<https://hstalks.com/biosci/>

# 传统的大师讲座

## ⌚ 局限的时间、地点、人数

全球学术交流越来越频繁，一般学校无法常常请到诺贝尔奖学者到学校进行演讲。即使请到，由于时间和各方面条件限制的问题，也无法对其研究进行深入的了解

2018 Nobel Laureate Lecture at NTHU

### 諾貝爾大師在清華

2014年諾貝爾化學獎  
**Dr. Eric Betzig**

Imaging Biological Structure and Dynamics from Molecules to Organisms

見微知著 - 新世代顯微影像技術  
如何捕捉從分子到個體的生物結構與動態

2018/10/19(五)  
10:00-11:30 (09:30開放入場)  
生命科學院二館 B1 韋生廳

主辦單位: 國立清華大學  
協辦單位: 國立清華大學生命科學院 中央研究院

報名網址: <https://goo.gl/o4kGt1>



## 😡 昂贵的门票

场地有限、时间有限、所費不貲...并不是所有人都有机会参加相关活动、享有资源

Cell Symposium | 100 Years of Phagocytes  
September 19–22, 2016, Giardini Naxos, Sicily, Italy

HOME PROGRAM LOCATION EXHIBITION & SPONSORSHIP DEADLINES HELP & FAQS CONTACT US

Speaker  
Julius A. Hoffmann, Centre National de la Recherche Scientifique, France

Julius Hoffmann received his Ph.D. in Biology in 1969 at The University of Strasbourg France. He has held various positions with the French National Research Agency CNRS, the latest being that of Distinguished Class Research Director and of Member of the Board of Administration of this Agency. He also serves as a Professor for the University of Strasbourg. From 1985 to 2009 he was the Director of the CNRS Institute of Molecular and Cellular Biology in Strasbourg. The research of Julius Hoffmann was continuously centered on studies of the development and the defense reactions of insects. Since 1980, he and his laboratory have explored the potent antiviral mechanisms of Dirosiphia as a paradigm for innate immune defenses. The group is in particular credited with having unravelled the role of Toll receptors in fighting infections. Julius Hoffmann has authored or co-authored 250 publications and edited several volumes. He is a Member of the French National Academy of Sciences of which he served as Vice-President (2005-06) and President (2007-08). He is a Member of the European Molecular Biology Organization (EMBO) and of the German National Academy of Sciences Leopoldina. Julius Hoffmann is a Foreign Associate of the National Academy of Sciences of the U.S., the American Academy of Arts and Sciences and of the Russian Academy of Sciences. Julius Hoffmann is the recipient of several international awards, namely the William B. Coley Award, the Robert Koch Prize and the Balzan Prize. He is also an awardee of the 2010 Lewis

Cell Symposium | 100 Years of Phagocytes  
September 19–22, 2016, Giardini Naxos, Sicily, Italy

HOME PROGRAM LOCATION EXHIBITION & SPONSORSHIP DEADLINES HELP & FAQS CONTACT US

Register

Registration type	Net	Gross (including tax at 22%)
Standard rate student <sup>2</sup>	€550	
Standard rate industry	€950	
Standard rate academic <sup>1</sup>	€775	

Any of the above rates will be €50 additional to include conference dinner

Conference dinner purchased on site	€60	
Cell Press editorial board member <sup>3</sup> inc. dinner	€700	€854.00

650歐元起跳!

# 传统的学习方式

## 📖 准备课程 / 报告收集教学数据及图片

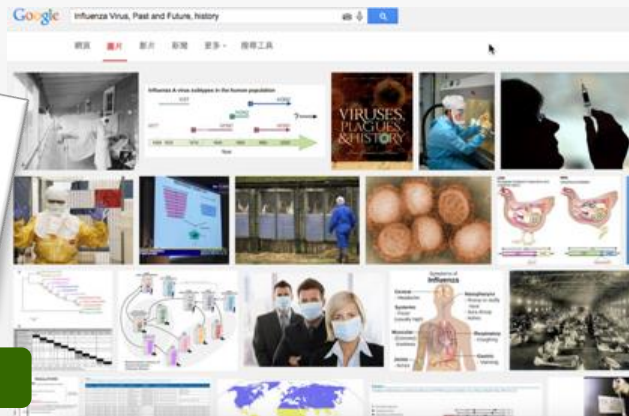
时间就是金钱，如何更有效率、更快速的让时间产生价值，是成功与否的关键!!!



在图书馆一本一本翻书



在网络收集大量文章却不知从何下手



找不到合适高分辨率的相关图片

# The Biomedical & Life Sciences Collection

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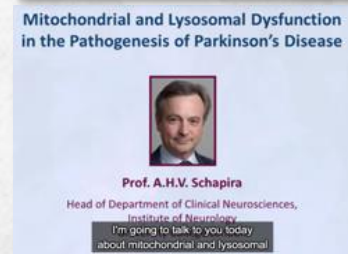
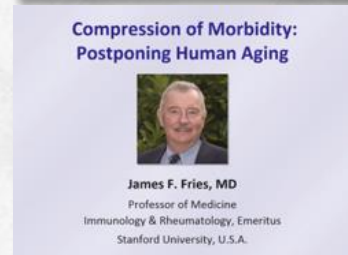
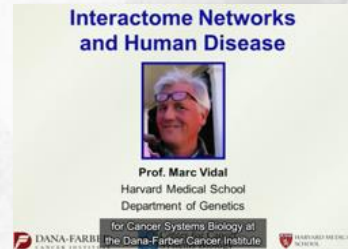
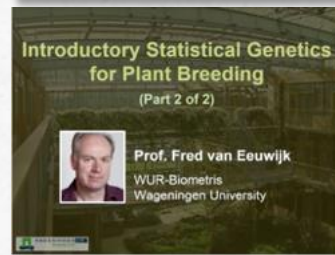
## 关于HSTalks

### Henry Stewart Talks

- 2004年创立的**视频型**数据库
- 包含**生医**及**商业**两种套装
- 来自学界及业界国际级专家的**最新**演讲、研讨会、科研成果
- 内容由**专家直接授权**，无法从他处取得！

### 现有用户: 300多个研究单位

- 国内：上海交通大学、解放军医学院、中南大学、云南大学、香港中文大学等...
- 国外：哈佛大学、牛津大学、哥伦比亚大学、康奈尔大学、史丹佛大学等...



# 关于The Biomedical & Life Science Collection

与国际大师面对面



北京大学分子医学  
程和平教授



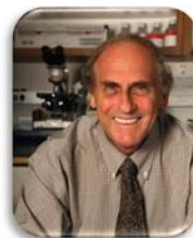
2018诺贝尔生理学奖  
James P. Allison



2017诺贝尔生理学奖  
Jeffrey Hall



2011诺贝尔生理学奖  
Jules Hoffman











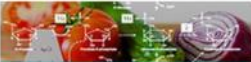






2011诺贝尔生理学奖  
Ralph Steinman













- 邀请世界级**生物医学与生命科学领域专家**到棚内录制主题演讲讲座 (含诺贝尔得主)
- 内容广泛，目前已有超过2700部演讲，超过100个相关系列 (基因学到分子生物学/疾病成因到治疗等...**专为生医课程设计**)
- **每月更新**最新演讲视频及新增系列，快速了解最新发展，时时走在专业领域前端！
- 影片内含高画质投影片并同步搭配演讲者旁白

# 涵盖领域广泛

涉及各种领域！全面掌握！



Categories	Therapeutic Areas		
 Agriculture & Environmental Sci...	 Biochemistry	 Cancer	 Cell Biology
 Clinical Medicine	 Diseases, Disorders & Treatments	 Genetics & Epigenetics	 Immunology
 Metabolism & Nutrition	 Methods	 Microbiology	 Neuroscience
 Omics & Systems Biology	 Pharmaceutical Sciences	 Reproduction & Development	

Categories	Therapeutic Areas		
 Cardiovascular & Metabolic	 Dermatology	 Gynaecology & Obstetrics	 Haematology
 Immunology & Inflammation	 Infectious Diseases	 Neurology	 Oncology
 Ophthalmology	 Oral Health	 Respiratory Diseases	 Vaccines

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# HSTalks能提供什么？



学者

帮助研究

最新知识

- 全球顶尖学者
- 最新研究成果

权威性

世界级学科领域专家  
特别录制编写及讲解



老师

辅导教学

灵活教学

- 国际级演讲技巧
- 高画质影片观看
- 嵌入课程教学
- 专业课程顾问

时效性

定期更新及增加讲座  
走在学科发展最前端



学生

指导学习

有效学习

- 讲义一键输出
- 反复观看学习
- 免出国共享数据

方便性

随时随地获取最新知识  
· 做有效率的学习  
节省时间和预算

 轻松获得专业领域的最新研究成果	<b>准备时间</b>	花大量时间在收集和筛选
 国际级学科领域专家特地撰写及讲解	<b>内容权威性</b>	网络数据源难以考究 内容不够权威，观点不够新颖
 专业数据库，内容精确	<b>搜寻数量</b>	开放资源，内容繁多
 学科领域专家编写相关信息 重点一目了然	<b>相关度</b>	搜寻结果过多，相关性不高 不易找出可参考内容
 每月更新，助读者走在学科发展最前端	<b>时效性</b>	难以接触到最新与最权威的研究

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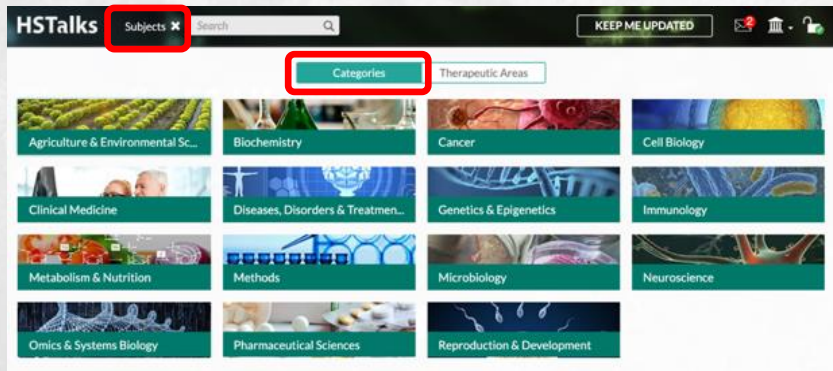
观看影片，聆听专家讲座！<https://hstalks.com/biosci/>

# HSTalks 使用说明

方法1

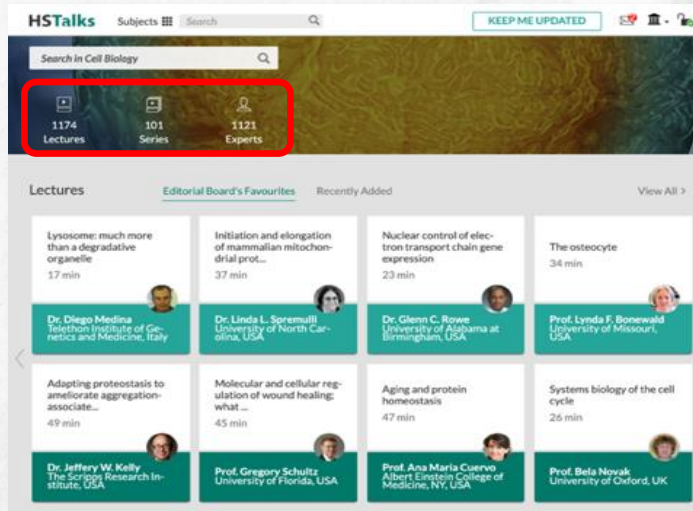
登入网站：<https://hstalks.com/biosci/>

- 点击“主题” (Subjects)
- 以“类别” (Category) “治疗领域”(Therapeutic Areas)归类出现
- 选择特定一主题



继续搜索吧！

- 点选想观看的讲座(Lectures)/系列 (Series)/讲者 (Experts)
- 或向下滚动页面从所显示的各视频选择



# HSTalks 使用说明

方法2

登入网站：<https://hstalks.com/biosci/>

- 直接使用通过的**搜索栏** (Search) 输入关键字快速搜索您要的内容

HSTalks Subjects

## Biomedical & Life Sciences Lectures

by leading world experts

Learn more about the collection  
**Watch the video**

Over 2,500 Lectures  
Explore Lectures ▾

Subject Areas  
Browse ▾

Leading Experts  
View ▾

Great Content  
Easy to Access ▾

前5分钟  
免费观看哦!

# HSTalks 使用说明

方法2

登入网站：<https://hstalks.com/biosci/>

- 搜索结果可以根据各项分类筛选呈现，更加快捷便利，精准锁定所需要的资源

HSTalks Subjects  GET FULL ACCESS

Search results for: "cells"

Talks (1518) Series Experts

Filters

- Category
- Therapeutic Area
- Date Published
- Subtitles
- Education Level
- Accreditation
- Talk Duration
- Availability

Your search matches the Cell Biology Category. It might be easier to find the content you want in that page. [Go to Category](#)

Showing results 1-10 of 1518

1. Translating retinal stem cells

By Prof. Michael Young - Harvard Stem Cell Institute, USA  
Published December 2016  
Series: Macular Degeneration

Retinitis pigmentosa - Stem cell therapy - Intracerebral retinal transplantation - Transplantation... of neural stem cells - Retinal progenitor cell transplantation - Characterization of hRPCs - In vivo... Cellular therapy; Retinal degeneration/Treatment; Retinitis pigmentosa; Stem cells/Therapeutic use...

▶ Play More Details

Translating Retinal Stem Cells

22 mins

If you would like assistance finding talks to embed in a course or to use as an additional resource please send us the syllabus or a short description of the course's learning objectives - we are here to help.

SEND SYLLABUS

- 类别 "Category"
- 治疗领域 "Therapeutic Area"
- 出版时间 "Date Published"
- 字幕语言 "Subtitle"
- 程度 "Education Level"
- 认证 "Accreditation" (CPD/CME)
- 视频长度 "Talk Duration"
- 视频状态 "Availability" (已发布 / 录制中)

# HSTalks 讲座特色

更多元自由的使用选择

1 Slides 2 Topics 3 Links 4 Citation

5 Printable Handouts PDF

可点选各张幻灯片

继续教育学分

EARN CME CREDIT

Prof. Claudia Kemper - NHLBI/NIH, USA 学者信息

Published on August 31, 2017 42 min 影片长度

## 1 投影片列表

显示各张幻灯片的简介  
点选跳转到选定的幻灯片·旁白同步

## 2 演讲所涵盖的相关主题 / 议题

帮助快速了解影片内容·节省时间

1 1. Introduction  
2 2. Learning objectives  
3 3. Complement evolution  
4 4. The 'classic' view of complement  
5 5. Complement activation pathways  
6 6. Complement deficiencies lead to infections  
7 7. Revised view of complement  
8 8. Complement deficiencies & autoimmune disease  
9 9. Complement's impact on adaptive immunity  
10 10. Complement recognizes and removes 'threats'  
11 11. Complement receptors act as sensors & effectors

EMBED IN COURSE/OWN NOTES

Topics Covered

- Complement in the regulation of general immune cell activity
- Indirect (APC-mediated) effects of complement on T cell activation
- Direct effects of complement on T cell responses
- Role of autocrine and intracellular complement (the Complosome) in Th1 responses
- Crosstalk between the NLRP3 inflammasome and the Complosome
- Regulation of cell metabolism by intracellular/autocrine complement

### 3 相关主题演讲链接

链接至相关系列中的其他视频

Slides Topics Links Citation

Links

Series:

- The Complement System

Categories:

- Biochemistry
- Cell Biology
- Immunology

Therapeutic Areas:

- Immunology & Inflammation

### 4 引用此演讲的相关信息

撰写论文、讲义等可引用信息

Slides Topics Links Citation

Talk Citation

Kemper, C. (2017, August 31). Complement and T cells [Video file]. In *The Biomedical & Life Sciences Collection, Henry Stewart Talks*. Retrieved March 19, 2020, from <https://hstalks.com/bs/3578/>.

Publication History

- Published on August 31, 2017

Financial Disclosures

Prof. Claudia Kemper has not informed HSTalks of any commercial/financial relationship that it is appropriate to disclose.

★ 视频内容  
会持续复审!

### 5 PDF讲义输出


投影片转为PDF格式·打印讲义方便学习做笔记



老师可输出讲义给学生，并注记区域，学生针对各张幻灯片写下自己的想法  
充分考虑学生及研究者的在研究及学习过程中的注记需求  
帮助学生及研究者梳理自己的脉络及想法

Latest developments & future directions  
in the management of chronic pain

Prof. Simon Haroutourian - Washington University School of Medicine, USA



Chronic pain is multidimensional

13

Mid-term exam

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Underlying mechanisms contributing to pain chronification

14

Check with the professor  
about this subject in detail

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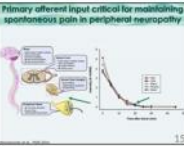
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Primary afferent input critical for maintaining spontaneous pain in peripheral neuropathy

15

Latest developments & future directions  
in the management of chronic pain

Prof. Simon Haroutourian - Washington University School of Medicine, USA



Psycho-social components behind pain chronification

16

Fear avoidance

- Lack of fear from the pain leads to confrontation with the condition, and inability to recovery
- Patients with negative affect who catastrophize about their pain and its consequences are more likely to develop pain related fear

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Current approaches for managing chronic pain- overview

17

Systemic (oral/inject) pharmacotherapy	Interventional approaches (injection, nerve blocks etc.)
Physical therapy	Behavioral approaches
Neuromodulation	Alternative approaches (acupuncture, etc.)

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Pharmacologic therapies for chronic low back pain

18

In all the different pharmacological approaches for low back pain, not a single drug really results in large improvement in pain severity or in functional outcomes

The screen versions of these slides have full details of copyright and acknowledgements

6

The screen versions of these slides have full details of copyright and acknowledgements

7





# HSTalks 延伸功能

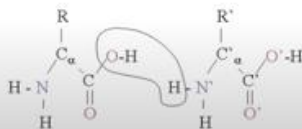
强大的功能全面支援使用者需求

## In this lesson you will learn

- Proteins are formed by the combination of 20 different amino acids



- The amino acids of protein polymers are linked by peptide bonds



The amino acids of protein polymers are linked by peptide bonds,

可添加字幕

可重复、停顿观看

可调整视频播放速度、解析度

# HSTalks 延伸功能

强大的功能全面支援使用者需求

## 讲者演讲内容逐字稿

将页面向下拖动，视频在页面右方缩小化呈现、对照讲者旁白的逐字讲稿学习，不会跟丢哦！

1. 根据视频的进度  
讲稿自动划出底线

2. 点击任一句话 视  
频将跳至对应点

The screenshot displays the HSTalks interface with three main sections: a video player, a transcript, and an outline sidebar. The video player is at the top, showing a play button and a progress bar. Below it is the transcript, which is currently in English. The transcript text is as follows:

0:00 Hello. My name is Simon Haroutounian. I'm an Assistant Professor of Anesthesiology at Washington University School of Medicine. I work as a clinical pharmacist in Multidisciplinary Pain Management Team at Washington University Pain Center. In my talk today, we'll overview different approaches, primarily pharmacological ones, for the management of chronic pain. I will discuss some of the recent developments and future directions.

0:30 In this talk, I will provide some background on the prevalence and burden of chronic pain, as well as, we'll look at different ways to classify chronic pain. We will, then, discuss different biological and psychological factors that can contribute to the chronification of pain or the transition from acute to chronic pain, if you will. We'll discuss possible targets for interventions to avoid this pain chronification. I will provide an overview of some of the current approaches for managing chronic pain and focus primarily on recent evidence on the efficacy of pharmacological therapies, highlighting some interesting future directions.

1:08 So, let's start with some definitions. ISP, or the International Association for the Study of Pain, defines pain is an unpleasant sensory and emotional experience associated with actual or potential tissue damage. I would like to highlight the two sensory and emotional components. Because while in acute pain, the experience may be mostly sensory or biological, in chronic pain the emotional experience tends to play quite a dramatic role in how patients perceive their pain. Pain is typically divided into acute and chronic. While most of us can intuitively say what chronic pain is, the definition of chronic pain has not been that straightforward. So, it used to move between defined time cutoffs for pain duration, to the idea that chronic pain is pain that persists past normal healing time of a tissue that has been damaged. The recent 2019 definition comes back to duration and defines chronic pain as pain that has been going on for more than three months. This temporal definition is mainly due to the fact that we can't always identify the tissue damage or the inciting event that triggered that chronic pain.

The outline sidebar on the right is titled "Outline" and contains the following items:

- Chronic pain
  - Prevalence and burden
  - Classification
- Factors contributing to pain chronification and possible targets for interventions
- Current approaches for chronic pain management
- Latest developments in pharmacotherapy of chronic pain

The sidebar also includes a "Hide >" button, a "Latest developments & future directions in the management of chronic pain" section, and an "EMBED IN COURSE/OWN NOTES" button. A red arrow points from the transcript text "focus primarily on recent evidence on the efficacy of pharmacological therapies" to the corresponding item in the outline sidebar. Another red arrow points from the transcript text "highlighting some interesting future directions." to the "Latest developments & future directions in the management of chronic pain" section. A third red arrow points from the transcript text "focus primarily on recent evidence on the efficacy of pharmacological therapies" to the "EMBED IN COURSE/OWN NOTES" button. The text "视频缩小化持续播放" (Video minimized and continuous playback) is written in red next to the second and third arrows.

# HSTalks 延伸功能

强大的功能全面支援使用者需求

## 嵌入功能

可以将整个视频或截取视频某一片段嵌入至Word、PPT、E-mail、学习系统(如Blackboard, Moodle, Sakai)等

Inside-in versus outside-in signaling

Printable Handouts  
PDF

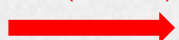
Navigable Slide Index

1. Introduction
2. Learning objectives
3. Complement evolution
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EMBED IN COURSE/OWN NOTES

Complement and T cells  
Prof. Claudia Kemper - NHLBI/NIH, USA  
Published on August 31, 2017 • 42 min

点选  
嵌入(Embed)后



Use Lecture in Course or Virtual Learning Environment

Embed as Link Embed as Video Learn More

- Drag and drop the preview below directly into your application.
- If drag and drop is not possible, highlight the preview (either manually or by clicking 'select preview') and then use the keyboard to copy & paste it into your application.

Select preview

点选 "Select preview"后复制粘贴;  
或点选 "Preview" 以下部分直接拖放

Preview

Lysosome: Much More Than a Degradative Organelle  
Dr. Diego Medina – Telethon Institute of Genetics and Medicine, Italy

Diego L. Medina, PhD  
Assistant Investigator  
Telethon Institute of Genetics and Medicine  
Pescara (PS), Italy

Thumbnail Size

200x150 100x75 none

Lecture Information

Title  Speaker(s)  Affiliation(s)

Use Segment of the Lecture (optional):

Start Time (eg 2:34) or slide number (eg 5)  
End Time (eg 13:45) or slide number (eg 14)

自定义视频开始与结束段落

# HSTalks 延伸功能

强大的功能全面支援使用者需求

## 各种平台串连

可以用 E-mail 寄发 或 通过不同的社交媒体分享视频，无缝接轨自由便利

The screenshot shows a presentation slide titled "Expansion in numbers" with a bar chart showing the percentage risk of stroke by region. A red box highlights a sharing menu with various social media options. A red arrow points to the "Share" button at the bottom right of the slide.

### Expansion in numbers

- Lifetime risk of stroke from age 25 years onwards: 24.9%
- Increase from 1990 to 2016: 22% to 24%

Region	% Risk
East Asia	38.8%
Central Europe	31.7%
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Feigin et al. *N Engl J Med*. 2018 Dec;379:2429-2437

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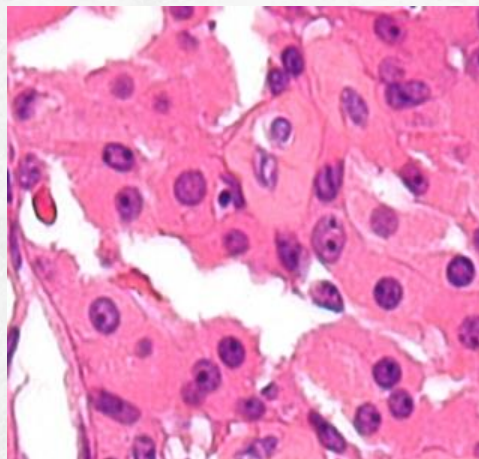
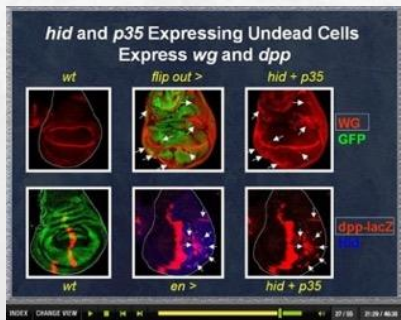
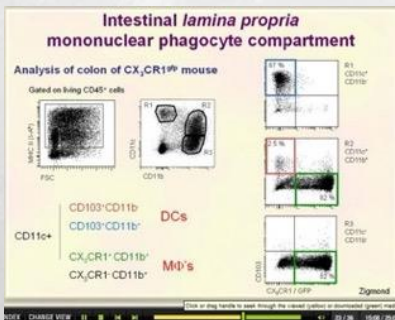
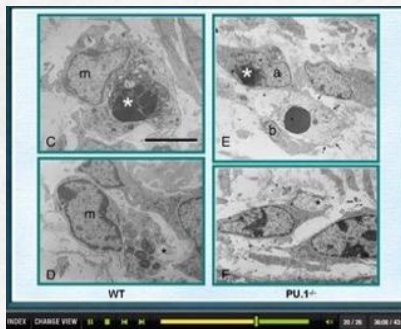


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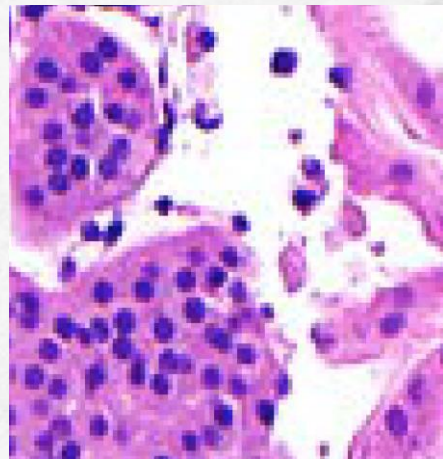
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