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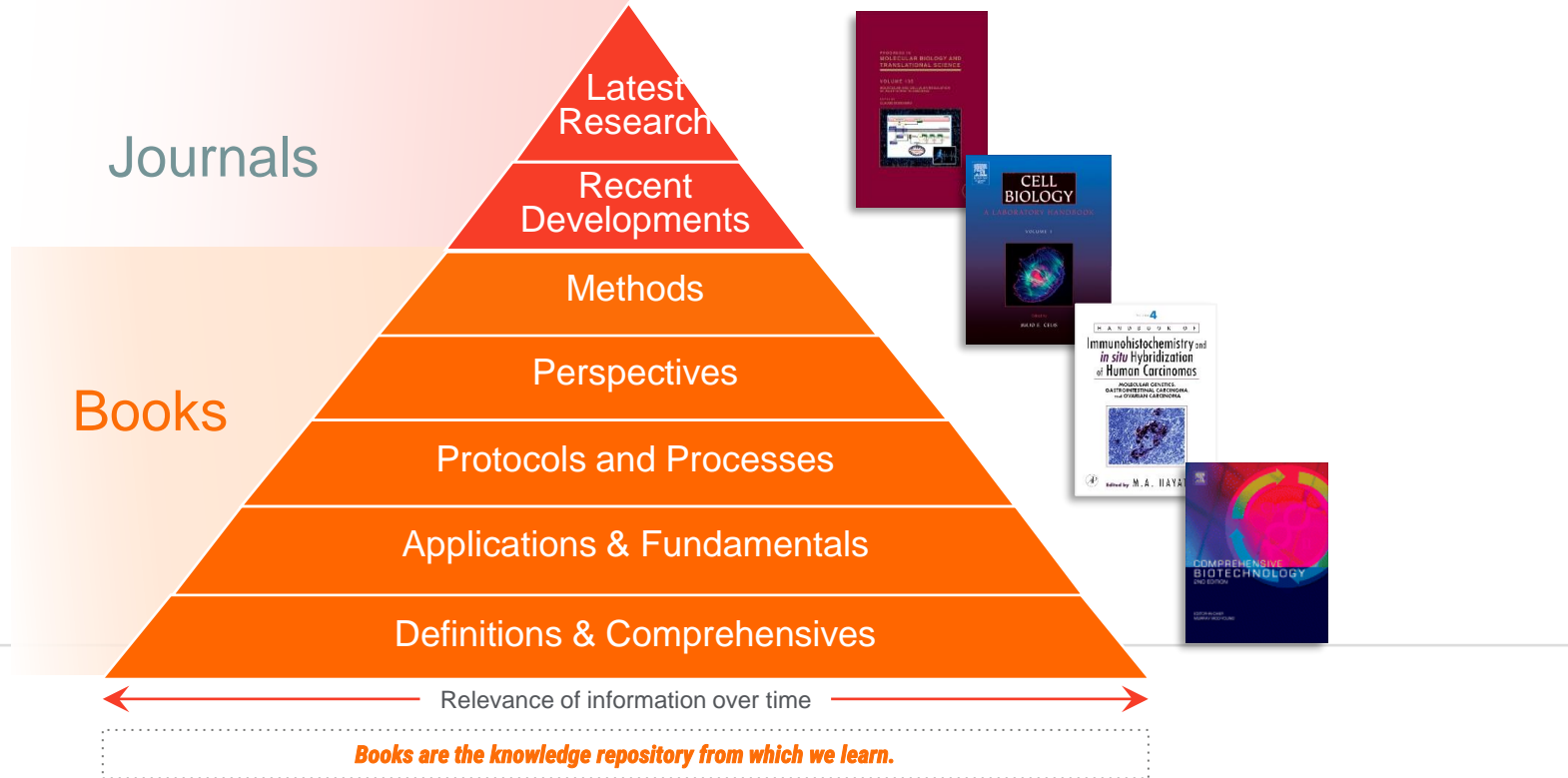
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SD Topic Page Solution



Clinical Neurology and Neurosurgery
Volume 109, Issue 2, February 2007, Pages 206–209

Case report

Recurrent limbic and extralimbic encephalitis associated with thymoma


Kenji Okita^a, Noriyuki Matsukawa^a, Manabu Hatton^a, Kentaro Yamada^a, Koji Takada^a, Takemori Yamawaki^a, Mari Yoshida^a, Yoshio Hashizume^a, Kosei Ojika^a

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Abstract

A 33-year-old woman, with a 7-year clinical history of invasive thymoma treated at ages 26 and 30 years by thymectomy and radiation, presented with a generalized convulsion and loss of consciousness. Following the seizure there was no neurological deficit and normal tendon reflexes. **Magnetic resonance imaging (MRI) of the brain without gadolinium enhancement revealed multiple small lesions of high signal intensity on T2 and diffusion weighted images located in the cortical area beyond the temporal lobes. Brain biopsy demonstrated encephalitis with activated microglia and activated T-cell infiltration. Within 4 months of treatment with nothing other than anticonvulsant therapy.**



Journals Books

Back to article > Encephalitis

Encephalitis

Encephalitis is an acute inflammation of the brain, commonly caused by a viral infection. [Encyclopedia of Neuroscience, 2009](#)

1

2

Related terms

- Enterovirus, HSV-1, Herpes simplex virus type 1, Viral meningitis, Bulbar polio, Epidemiology, VZV, Aseptic meningitis, Flavivirus, Herpes simplex virus 1

Learn more about Encephalitis **3**

Encephalitis

Karen L. Roos, in *Handbook of Clinical Neurology*, 2014.

Introduction

Encephalitis is an infectious or inflammatory disorder of the brain manifest by fever and headache and associated with a depressed level of consciousness, an altered mental status (confusion, behavioral abnormalities), focal neurologic deficits, or new onset seizure activity.

This chapter will address the viral etiologies of encephalitis. Other chapters in this volume address the bacterial, fungal, spirochetal, and parasitic etiologies of encephalitis. The California Encephalitis Project was initiated in 1998 to improve the

Viral Infections

Karen L. Roos, in *Textbook of Clinical Neurology (Third Edition)*, 2007.

Western Equine Encephalitis

Western equine encephalitis tends to occur in children younger than age 1 year and in adults older than age 50.⁵⁴ Inapparent infections with western equine encephalitis virus are more common than symptomatic cases. Like the other arthropod-borne encephalitides, western equine encephalitis begins with an influenza-like syndrome of fever, malaise, myalgias, pharyngitis, and vomiting. As the disease progresses, irritability, convulsions, or coma develops.⁴⁹

Key Features:

1. Clear definition
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Quick Definition

Cell membrane

The cell membrane is a selectively permeable biological membrane found inside the cell wall and surrounding the cytoplasm.

From: *Atlas of Oral Microbiology, 2015*

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Cell membrane

The cell membrane is a selectively permeable biological membrane found inside the cell wall and surrounding the cytoplasm.

From: *Atlas of Oral Microbiology, 2015*

Related terms

Macrophages, Amygdala, Basolateral amygdala, EGF, Amino Acids, BFGF, F4/80, Peptidase, Receptor agonist, EGFR

Learn more about Cell membrane

Structure and Composition of Microbes*

J.P. Coleman, C.J. Smith, in *Reference Module in Biomedical Sciences*, 2014.

Cytoplasmic Membrane

The cytoplasmic membrane (inner membrane of Gram-negative bacteria) has a structure similar to eukaryotic cell membranes in that it is a bilayer of phospholipids containing embedded proteins. It differs from eukaryotic cell membranes by the absence of polyunsaturated lipids and endogenously synthesized sterols, although some bacteria incorporate membrane sterols

Basic Biology of Oral Microbes

in *Atlas of Oral Microbiology*, 2015.

Cell Membrane

The **cell membrane** is a selectively permeable biological membrane found inside the cell wall and surrounding the cytoplasm. It is made of a lipid bilayer. The **cell membrane** is compact and flexible, and measures approximately 7.5nm in thickness. It accounts for 10-30% of the bacterial cell dry weight. The structure of the bacterial cell membrane resembles that of eukaryotic cell membranes, except it is deficient in cholesterol. The lipid bilayer is embedded with carrier proteins and

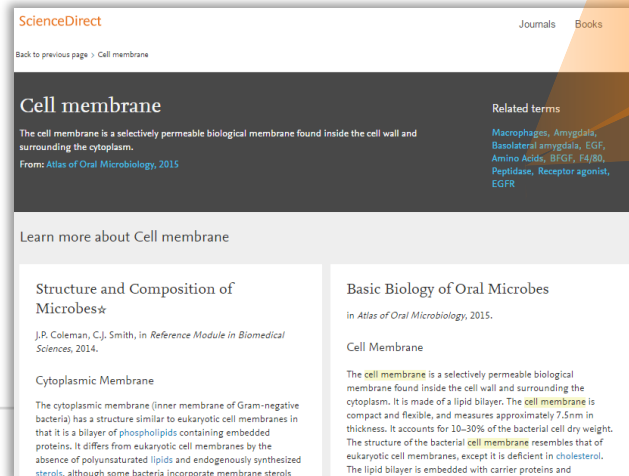
- A short definition to quickly orient the user to the subject
- Enables users to understand and interpret scientific literature

Related Terms

- Users can learn more through interdisciplinary links

Related terms

Macrophages, Amygdala,
Basolateral amygdala, EGF,
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Peptidase, Receptor agonist,
EGFR



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- Ideal for those who want to explore further

Relevant Excerpts

- Provides a comprehensive overview

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The cell membrane is a selectively permeable biological membrane found inside the cell wall and surrounding the cytoplasm.

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J.P. Coleman, C.J. Smith, in *Reference Module in Biomedical Sciences*, 2014.

Cytoplasmic Membrane

The cytoplasmic membrane (inner membrane of Gram-negative bacteria) has a structure similar to eukaryotic cell membranes in that it is a bilayer of phospholipids containing embedded proteins. It differs from eukaryotic cell membranes by the absence of polyunsaturated lipids and endogenously synthesized sterols, although some bacteria incorporate membrane sterols derived from host cells. The cytoplasmic membrane is the site of important cellular functions, such as electron transport, protein secretion, nutrient transport, and lipid biosynthesis.

Learn more about Cell membrane

Structure and Composition of Microbes✖

J.P. Coleman, C.J. Smith, in *Reference Module in Biomedical Sciences*, 2014.

Cytoplasmic Membrane

The cytoplasmic membrane (inner membrane of Gram-negative bacteria) has a structure similar to eukaryotic cell membranes in that it is a bilayer of phospholipids containing embedded proteins. It differs from eukaryotic cell membranes by the absence of polyunsaturated lipids and endogenously synthesized sterols, although some bacteria incorporate membrane sterols derived from host cells. The cytoplasmic membrane is the site of important cellular functions, such as electron transport, protein secretion, nutrient transport, and lipid biosynthesis.

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Basic Biology of Oral Microbes

in *Atlas of Oral Microbiology*, 2015.

Cell Membrane

The cell membrane is a selectively permeable biological membrane found inside the cell wall and surrounding the cytoplasm. It is made of a lipid bilayer. The cell membrane is compact and flexible, and measures approximately 7.5nm in thickness. It accounts for 10–30% of the bacterial cell dry weight. The structure of the bacterial cell membrane resembles that of eukaryotic cell membranes, except it is deficient in cholesterol. The lipid bilayer is embedded with carrier proteins and zymoprotein, which possess specific functions.

The cell membrane of some bacteria can form invaginations into the cytoplasm called mesosomes.

[Read full chapter](#)

Cell Membranes

Jeffrey C. Freedman, in *Cell Physiology Source Book (Fourth Edition)*, 2012.

Summary

This chapter reviews some basic biochemical properties of

Regulation of K⁺ Excretion

Gerhard Malnic, Gerhard Giebisch, Shigeaki Muto, Wenhui Wang, Matthew A. Bailey, Lisa M. Satlin, in *Seldin and Giebisch's The Kidney (Fifth Edition)*, 2013.

K⁺ Secretion

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International Journal of Antimicrobial Agents, Volume 56, Issue 6

Genomic evidence for reinfection with SARS-CoV-2: a case study
The Lancet Infectious Diseases, Volume 21, Issue 1

The FDA-approved drug ivermectin inhibits the replication of SARS-CoV-2 in vitro
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Aravind Madhavan, K.B. Arun, Parameswaran Binod, Ranjna Sirohi, ... Raveendran Sindhu

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Advances in Nano-Fertilizers and Nano-Pesticides in Agriculture

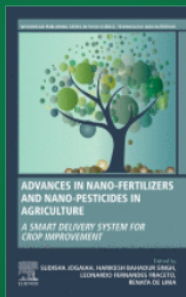
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書名

A volume in Woodhead Publishing Series in Food Science, Technology and Nutrition

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出版年份



Edited by:
Sudisha Jogaiah, Harikesh Bahadur Singh, ...
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4.6. Conclusion and future directions

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Woodhead Publishing Series in Food Science, Technology and Nutrition




2021, Pages 85-110



4 - Biopolymer based nanofertilizers applications in abiotic stress (drought and salinity) control

Muhamad Mujtaba¹, Rahat Sharif², Qasid Ali³, Raheela Rehman⁴, Khalid Mahmood Khawar⁵

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8 - Nanoparticles for improving and augmenting plant functions

Josef Jampilek^{1,2}, Katarína Kráľová³

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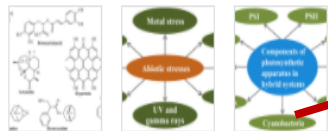
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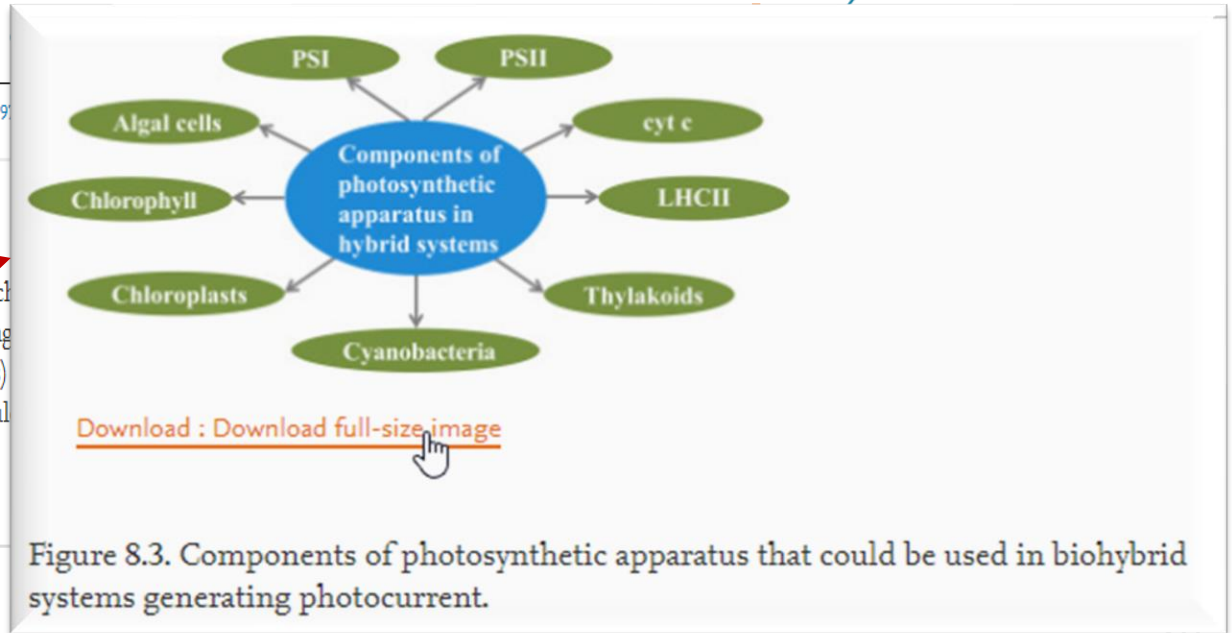


Figure 8.3. Components of photosynthetic apparatus that could be used in biohybrid systems generating photocurrent.

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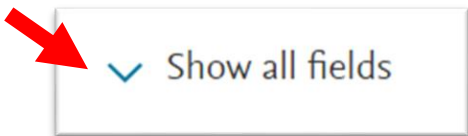
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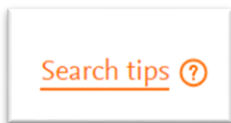
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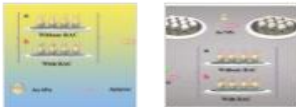
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Sensors and Actuators B: Chemical

Volume 276, 10 December 2018, Pages 204-210



Electrochemical sensor for determination of ractopamine based on aptamer/octadecanethiol Janus particles 文章標題

Ying Zhou ^a, Yajuan Yang ^a, Xu Deng ^d, Guomei Zhang ^a, Yan Zhang ^a, Caihong Zhang ^a, Shaomin Shuang ^a ,
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Highlights

- Aptamer/octadecanethiol Janus particles have one **hydrophilic** and one hydrophobic side was generated.
- Janus particles-based electrochemical sensor was constructed for the first time to detect ractopamine.

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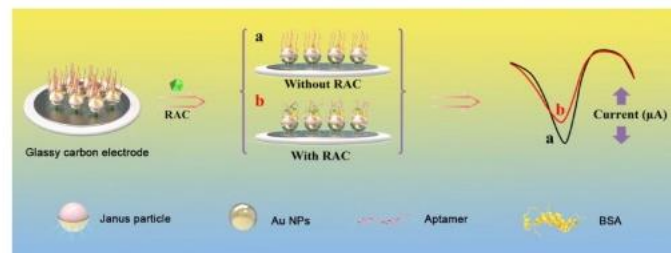
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- [2] Y.L. Xiong, M.J. Gower, C. Li, C.A. Elmore, G.L. Cromwell, M.D. Lindemann
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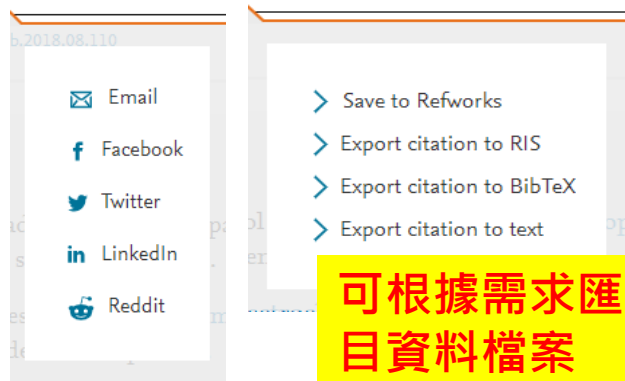
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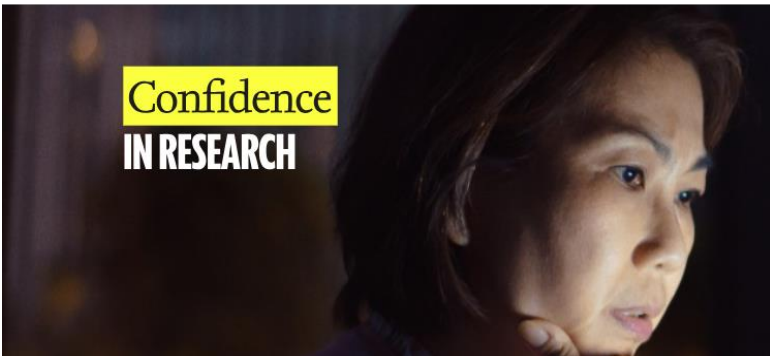
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