

「B4 感染病態制御学理論」について、10月3日（月）の講義は休講となります。  
なお、松下教授より成績評価のため、レポートの課題が提示されましたので、以下の  
とおりにご連絡いたします。

医学系教務担当 竹下

The lecture, “B4 Infection and Immune Control” on Oct.3rd will be cancelled.

An instructor, Prof. Matsushita requests the students who take this lecture(B4) to submit a  
report, instead. The themes of the report are as indicated below.

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医学教育部博士課程

Lecture Series “Riron”: B4 Infection and Immune Control

B4 感染病態制御学理論

Dear Students taking B4 Infection and Immune Control

受講生各位

Re; Lecture on Oct.3rd is cancelled. (10月3日は休講)

Re; Reports to be submitted for the class (感染病態学理論レポートについて)

Lecture scheduled on Oct.3rd is cancelled. Please use the time for preparation of reports for  
the class. The above mentioned “Lecture Series “Riron”: B4 Infection and Immune Control”  
consisted of five group of lectures. In the syllabus we stated “Grading will be based on active  
class participation, paper summaries, and the final report”. All students including those who  
attended the lecture have to prepare and submit a report to get a credit from this “B4 Infection  
and Immune Control”. Please select one of the following subjects and submit a report to Dr.  
Shuzo Matsushita by the end of November 2011. For the students who did not attend the  
lecture because of some difficulties, please make the report sufficient enough to be  
understandable what you have learned from the literature. This report will be the one  
corresponding to the lecture number13-15. Grading will be based on averaging three higher  
scores among five scores obtained by the student.

If you have any question please do not hesitate to ask me.

Shuzo Matsushita

## *JAPANESE Version*

10月3日の講義はレポート等の作成のために、休講といたします。

「B4 感染病態制御学理論」の講義も、9月26日をもって終了となります。

「B4 感染病態制御学理論」では、5つの分野がオムニバス形式で講義を担当しております。つきましては、担当分野ごとに成績を出し、その上位3つの平均をもって成績とします。

病態制御分野（担当；松下）では成績評価のために講義出席者も含めた全受講者にレポートの提出をお願いします。下記のテーマから一つを選んで作成してください。提出期限は平成23年11月30日です。特に、講義に出席できなかった受講生については、なにをどこまで学んだか、わかるようなレポートにしてください。提出期限厳守をお願いします。

レポートは必ず私あてに e-mail で送って下さい。受領のメールを返信いたしますのでご確認ください。

よろしく御願ひ致します。

松下修三

### **The title of the report (select one from following 4 themes)**

#### **1. Neutralizing antibodies against HIV-1**

##### References

1. Burton DR et al. HIV vaccine design and the neutralizing antibody problem. *Nat Immunol* 2004;5:233-236.
2. Johnston M.I. and Fauci A. S. An HIV vaccine, evolving concepts, *N Engl J Med* 2007;356:2073-2081.
3. Zolla-Pazner, S. Identifying epitopes of HIV-1 that induce protective antibodies. *Nat. Rev. Immunol.* 2004; 4:199-210
4. Yoshimura, K. et al. Resistance profile of a novel broadly neutralizing anti-HIV monoclonal antibody, KD-247, that shows favorable synergism with anti-CCR5 inhibitors in vitro. *AIDS* 2006;20: 2065-2073.

#### **2. Current treatment strategy and the pathogenesis of HIV-1 infection**

##### References

1. Guidelines for the Use of Antiretroviral Agents in HIV-1-Infected Adults and Adolescents. *AIDSinfo* Web site (<http://AIDSinfo.nih.gov>).
3. Johnson V.A. et al. *Update of the Drug Resistance Mutations in HIV-1: Spring 2008*, *Top HIV Med.* 2008;16(1):62-68.

4. Thompson M.A. et al., Antiretroviral Treatment of Adult HIV infection. 2010 Recommendations of the International AIDS Society-USA Panel. JAMA 304, p321-333, 2010.

### **3. New strategies for the prevention of HIV-1 infection**

#### References

1. Cohen MS, Chen Y, McCauley M et al. Prevention of HIV-1 infection with early antiretroviral therapy. N Engl J Med. 2011; **365**: 493-505.
2. Gardner E, McLees M, Steiner J, del Rio C, Burman W, The Spectrum of Engagement in HIV Care and its Relevance to Test-and-Treat Strategies for Prevention of HIV Infection Clin Infect Dis. 2011; 52 : 793-800.
3. Shattock RJ., Warren M, McCormack S., et al. AIDS. Turning the tide against HIV. Science. 2011;333:42-43.

### **4. Research toward an HIV cure.**

#### References

1. Siliciano JD, Kajdas J, Finzi D, Quinn TC, Chadwick K, et al. (2003) Long-term follow-up studies confirm the stability of the latent reservoir for HIV-1 in resting CD4+ T cells. Nat Med 9: 727–728.
2. Hütter G, Nowak D, Mossner M, et al. Long-term control of HIV by CCR5 Delta32/Delta32 stem-cell transplantation. N Engl J Med. 2009;360:692-698.
3. Trono D, Van Lint C, Rouzioux C, et al. HIV Persistence and the Prospect of Long-Term Drug-Free Remissions for HIV-Infected Individuals Science 2010;329:174-180.

5. Clinical Retrovirology (旧病態制御分野) 担当 ; 松下修三、吉村和久

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