

CURRICULUM VITAE

Name: WANNA PUMEECHOCKCHAI

Academic position: Assistance Professor

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Education:

1980-1984 B.Sc. (Med.Tech.), Chiang Mai University, THAILAND
1985-1988 M.Sc. (Microbiology), Mahidol University, THAILAND
1996-2001 Ph.D. (Microbiology), University of Newcastle upon Tyne, UK

Working experience:

1990-2002 Lecturer, Department of Microbiology, Srinakharinwirot University, Bangkok
2002-present Assistance Professor, Department of Microbiology, Srinakharinwirot University, Bangkok
2015-present Head of Department, Faculty of Medicine, Srinakharinwirot University

Scholarship/ Fellowship: -

1985-1988 Academic scholarship for graduated study from Mahidol University
1996-2001 Academic scholarship for Ph.D. study from The Thai Government
5 April-2 May 2004. Visiting Scientist, Department of Microbiology and Immunology, The Medical School, University of Newcastle upon Type, England,

Experienced/Skill:

1. Cell culture technique: Vero, C6/36, T3 etc.
2. Japanese encephalitis viral antigen preparation from suckling mice brain
3. DNA techniques: molecular cloning, site-directed mutagenesis, minipreparation and maxipreparation of DNA, polymerase chain reaction, gel electrophoresis, hybridization of hepatitis C virus studies
4. RNA techniques: RNA preparation, RT-PCR (qualitative and quantitative) of hepatitis C virus
5. Protein techniques: SDS-PAGE, western blotting, immunoprecipitation of hepatitis C viral antigen with Sepharose
6. Ultracentrifugation for density study of hepatitis C virus

Publications:

1. Rimdusit R, Yoosook C, Srivanboon S, Sirimongkolkasem B, **Pumeechockchai W**. Prevalence of genital herpes simplex infection and abnormal vaginal cytology in late pregnancy in asymptomatic patients. Int J Gynecol Obstet. 1989;231-6.
2. Roongruangchai K, Mekseepralard C, **Pumeechockchai W**, Thanomsub B, Bureerug T, Tripinyopap N, Utrarachkit S. Survey on gastro-intestinal tract infection of the personnel

involved with food in the canteen of Srinakharinwirot University, Prasarnmit Campus. Srinakharinwirot R&D Journal. 1994;7(3):8-15.

3. **Pumeechockchai W**, Bevitt D, Agarwal K, Petropoulou T, Langer BC, Belohradsky B, Bassendine MF, Toms GL. Hepatitis C virus particles of different density in the blood of chronically infected immunocompetent and immunodeficient patients: Implications for virus clearance by antibody. J Med Virol. 2002 Nov;68(3):335-42.
4. Fenwick F, Bassendine MF, Agarwal K, Bevitt D, **Pumeechockchai W**, Burt AD, Toms GL. Immunohistochemical assessment of hepatitis C virus antigen in cholestatic hepatitis after liver transplantation. J Clin Pathol. 2006;59:174-8.
5. Nielsen SU, Burt AD, Pumeechockchai W, Bassendine MF, Toms GL. Dissociation of hepatitis C virus from beta lipoprotein and determination of sedimentation coefficient. J Virol. 2006;80(5):2418-28.
6. Thanomsub B, **Pumeechockchai W**, Limtrakul A, Arunrattiyakorn P, Petchleelaha W, Teruhiko N, Kanzaki H. Chemical structures and biological activities of rhamnolipids produced by *Pseudomonas aeruginosa* B189 isolated from milk factory waste. Bioresource Technol. 2006;97:2457-61.
7. Thanomsub B, **Pumeechockchai W**, Kanzaki H. Structure characterization and biological activity studies of glycolipid biosurfactants produced from thermotolerant yeast strain Y12 and optimization of production conditions. J Natl Res Council Thailand. 2008;40(1):35-56.

Poster presentations:

1. **Pumeechockchai W**, Bevitt D, Bassendine M, Toms G. A comparison of hepatitis C virus density heterogeneity in immunocompetent and immunodeficient patients. Abstr. 210. 6th International Symposium on Hepatitis C and Related Viruses. 1999.
2. Fenwick F, Agarwal K, Bevitt DB, Burt AD, Hubscher G, **Pumeechockchai W**, Bassendine MF, Toms GL. Immunohistochemical detection of HCV antigen in paraffin embedded sections of human liver from immunosuppressed patients but not from immunocompetent patients. Abstr P103. 7th International Meeting on Hepatitis C and related viruses. 2000.
3. **Pumeechockchai W**, Bevitt D, Agarwal K, Bassendine M, Toms GL. Hepatitis C virus particles of different density in the blood of chronically infected immunocompetent and immunodeficient patients – implications for virus clearance by antibody. Abstr. A040 7th International Meeting on Hepatitis C and related viruses. 2000.
4. Neilsen S, **Pumeechockchai W**, Burt AD, Bassendine MF, Toms GL. Characterization of HCV RNA particles from the serum of a patient with common variable immunodeficiency on isotonic iodixanol (optiprep) gradients–association with apolipoprotein–B100. Abstr. P-58. 8th International Symposium on Hepatitis C and related viruses. 2001.
5. Price DA, Donaldson PT, **Pumeechockchai W**, Toms GL, Day CP, Daly AK, Leathart J, Schmid ML, Burt AD, Bassendine MF. Microsomal triglyceride transfer protein G allele: A host factor protecting against severe disease caused by Hepatitis C virus? BASL Meeting 2004.
6. Thanomsub B, **Pumeechockchai W**, Limtrakul A, Arunrattiyakorn P, Petchaleelaha W, Nitoda T, Kanzaki H. Isolation and characterization of biosurfactants produced by a *Pseudomonas aeruginosa* B189 isolated from milk factory waste. 4th Seminar in Thermotolerant Microbial Resources under JSPS-NRCT Core University Program, Kyushu University Japan, 7-10 November 2004.

Oral Presentations: -

Awards: -

Research of interest:

- Herpes simplex virus infection
- Hepatitis C virus pathogenesis

Proceedings and Books: -

1. Human Herpesvirus 6. เวชสารคณะแพทยศาสตร์ มหาวิทยาลัยศรีนครินทรวิโรฒ 2539;3:100-106.
2. โรควัวบ้า. เวชสารคณะแพทยศาสตร์ มหาวิทยาลัยศรีนครินทรวิโรฒ 2540;4:43-48.
3. เทคนิคการนำเสนอผลงานในรูปแบบโปสเตอร์. ใน “เส้นทางสู่นักวิจัยมืออาชีพ” สมเกียรติ วัฒนศิริชัยกุล และ วีรวรรณ เล็กสกุลชัย บรรณาธิการ. พลิกไท: กรุงเทพฯ 2544 หน้า 199-208.
4. Complement system. ใน “ภาวะช็อก: Molecular/cellular and clinical basis” สมเกียรติ วัฒนศิริชัยกุล และ ดวงฤดี วัฒนศิริชัยกุล บรรณาธิการ. เม็ดทรายพรีนติ้ง: กรุงเทพฯ 2545 หน้า 138-153.
5. วรรณ ผู้มีโชคชัย. General Characteristics of Viruses and General Morphology. ใน: ภาวะติดเชื้อ. สมเกียรติ วัฒนศิริชัยกุล, เกศรา อัสตามงคล, มาเรียว ริกันติ, สมชาย สันติวัฒนกุล, บรรณาธิการ. เม็ดทรายพรีนติ้ง: กรุงเทพฯ, 2547:663-673.