



APPENDICES

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่

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APPENDIX A

Certificate of Ethical Clearance from Human Experimentation Committee



NO. 6 / 2009

CERTIFICATE OF ETHICAL CLEARANCE

**Human Experimentation Committee
Faculty of dentistry
Chiang Mai University
Chiang Mai, Thailand**


Title of project or study : The Effect of Cathelicidin on Cyclooxygenase-2 Expression and Prostaglandin E₂ Synthesis in Human Oral Cells

Principal Investigator : Pattanin Montreekachon


Participating Institution (S) : Faculty of dentistry
Chiang Mai University
Chiang Mai, Thailand

Approved by the Faculty of Dentistry Human Experimentation Committee : April 30 , 2009

Signature of the Chairman of the Committee :


.....
(Anak Iamaroon ,D.D.S.,M.S.,Ph.D.)

Countersigned :


.....
(Thongnard Kumchai , D.D.S.,M.Sc.)

Dean ; Faculty of Dentistry

APPENDIX C

Bacterial crude cell wall preparation

Anaerobic cultures of *Fusobacteriumnucleatum* ATCC 25586 was grown and crude cell walls were prepared by differential centrifugation as previously described (Kennell and Holt, 1990). Briefly, cells were scraped from plates and suspended in phosphate-buffered saline without serum. The cells were broken by passage through a French pressure cell at 15,000 lb/in² in the presence of a cocktail of protease inhibitors which included 2 mM (final concentration) each Pefabloc SC (Boehringer GmbH, Mannheim, Germany), Na-p-tosyl-L-lysine chloromethyl ketone (TLCK)-HCl, and benzamidine (Sigma Chemical Co.). Unbroken cells were removed by low-speed centrifugation at 2,200 × g for 10 min at 4°C. The crude cell wall fraction was collected from the supernatant by high-speed centrifugation at 30,000 × g for 20 min at 4°C. The extract was resuspended in 0.5 ml of phosphate-buffered saline for total protein determinations. Protein concentration was determined by bicinchoninic acid assay (Pierce Chemical Co., Rockford, Ill.) as described in the manufacturer's instructions (Krisanaprakornkit *et al.*, 1998).

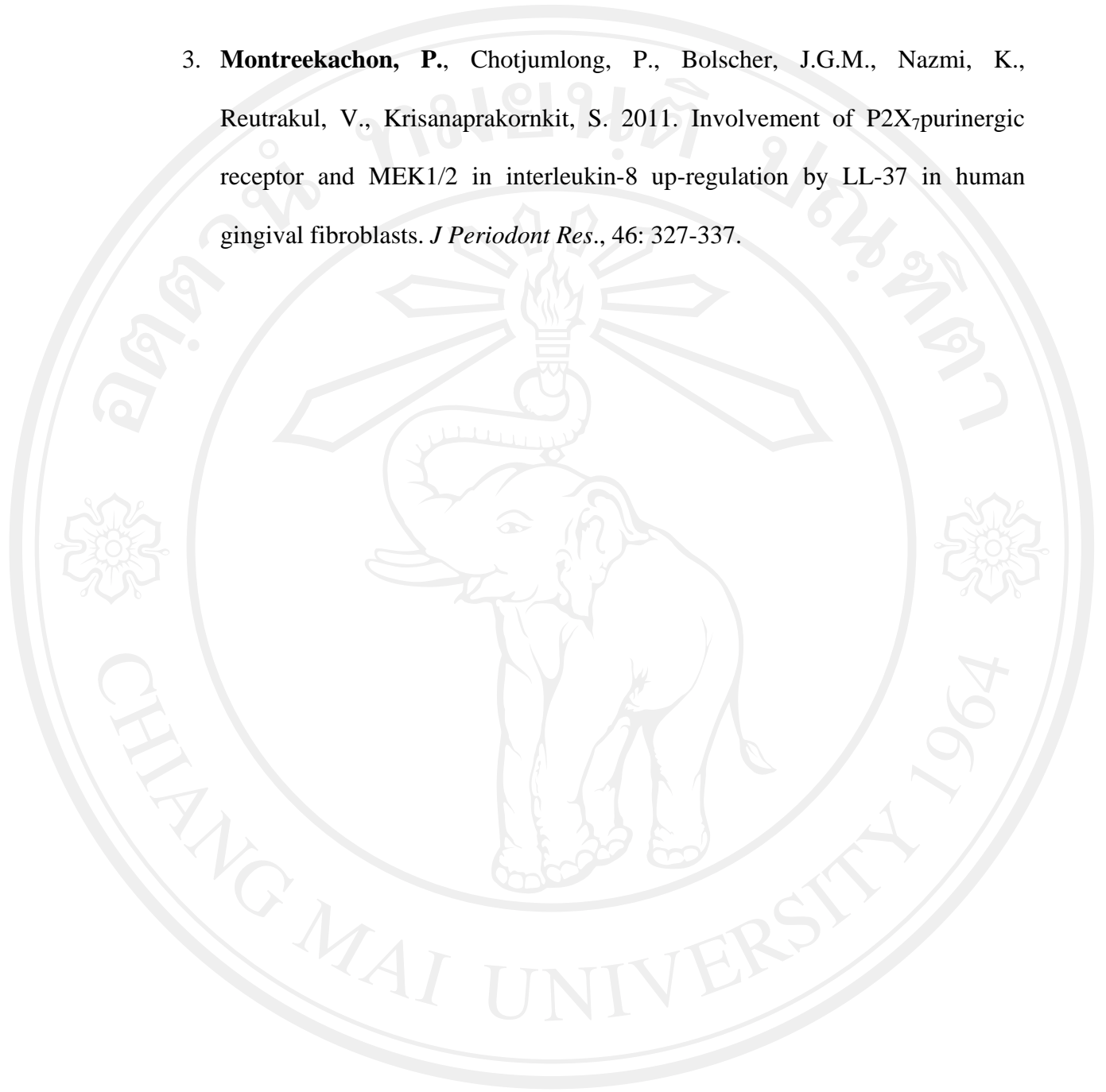
CURRICULUM VITAE

Name	Miss PattaninMontreekachon
Date of birth	September 19, 1976
Institution attended	
1994-1999	Chiang Mai University, Doctor of Dental Surgery
2003-2005	Chulalongkorn University, Master of Science (Periodontology)
	Work
1999-2001	Kasetwisai Hospital, Roi-et
2001-now	Division of Periodontology, Faculty of Dentistry, Chiang Mai University

PUBLICATIONS

1. Mahanonda, R., Sa-Ard-Iam, N., **Montreekachon, P.**, Pimkhaokham, A., Yongvanichit, K., Fukuda, M.M., Pichyangkul, S. 2007. IL-8 and IDO expression by human gingival fibroblasts via TLRs. *J Immunol.*, 178: 1151-1157.
2. **Montreekachon, P.**, Chotjumlong, P., Reutrakul, V.,Krisanaprakornkit, S. 2009. Involvement of Cytosolic Phospholipase A₂α in MMP-9 Up-regulation. *J dent Res.*, 88: 1031-1036.

3. **Montreekachon, P.,** Chotjumlong, P., Bolscher, J.G.M., Nazmi, K., Reutrakul, V., Krisanaprakornkit, S. 2011. Involvement of P2X₇purinergic receptor and MEK1/2 in interleukin-8 up-regulation by LL-37 in human gingival fibroblasts. *J Periodont Res.*, 46: 327-337.



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