

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel in the order listed on Form Page 2.

Photocopy this page or follow this format for each person.

NAME Peisong Gao, M.D. Ph.D.		POSITION TITLE Instructor	
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
The Fourth Military Medical University	M.D.	1996	Medicine
University of Wales Swansea. UK	Ph.D.	2002	Molecular genetics
The Johns Hopkins University	Postdoc	2002	Immunogenetics

RESEARCH AND PROFESSIONAL EXPERIENCE: Concluding with present position, list, in chronological order, previous employment, experience, and honors. Include present membership on any Federal Government public advisory committee. List, in chronological order, the titles, all authors, and complete references to all publications during the past three years and to representative earlier publications pertinent to this application. If the list of publications in the last three years exceeds two pages, select the most pertinent publications. **DO NOT EXCEED TWO PAGES.**

Professional Experience

1990-1991 Medical Residency, Emergency Medicine, Xiyu Hospital, P. R China
 1991-1993 Medical Residency, Respiratory Medicine, Xiyu Hospital, P R China
 1994-1995 Chief Residency, Respiratory Medicine, Fourth Military Medical University, P R China.
 1995-1997 Lecturer and physician, Respiratory Medicine, Fourth Military Medical University, P R China.
 1997-1999 Visiting research fellow, Oxford University, UK.
 2002-2005 Postdoctoral Research Fellow, Johns Hopkins Asthma & Allergy Center, JHU, USA.
 2005-present Instructor, Johns Hopkins Asthma & Allergy Center, JHU, USA.

Honors

1999 Postgraduate student scholarship from GlaxoKlineSmith (GSK)
 2002 David G Marsh postdoctoral Fellowship
 2004 2004AAAAI/Sepracor Research Excellent Awards
 2005 Second Annual Respiratory Disease Young Investigators' Forum

Research Projects Ongoing or Completed During the Last 3 Years:

"Functional genomics of asthma"

Principal Investigator: Shau-Ku Huang, Ph.D.

Agency: Philip Morris External Research Program

Type: Research grant; Period: September 1, 2002 - August 31, 2005

This study is to identify differential gene expression in pulmonary allergic responses

Selected peer-reviewed publications

Shimizu M, Matsuda A, Yanagisawa K, Hirota T, Gao PS, Huang SK, Shirakawa T. Functional SNPs in the distal promoter of the ST2 gene are associated with atopic dermatitis. Hum Mol Genet 2005; 14(19):2919-27.

Gao PS, Mathias RA, Plunkett B, Togias A, Barnes KC, Beaty TH, Huang SK. Genetic variants of the T-cell immunoglobulin mucin (TIM-1), but not TIM-3, genes are associated with asthma in an African American population. *J Allergy Clin Immunol* 2005; 115(5):981-8.

Gao PS, Mathias RA, Hsu SC, Plunkett B, Togias A, Barnes KC, Stellato C, Beaty TH and Huang SK. Sequence variants of the gene encoding chemoattractant receptor expressed on Th2 cells (CRTH2) is associated with asthma and differentially influences the mRNA stability. *Hum Mol Genet* 2004; 13(21):2691-7.

Gao PS, Heller NM, Walker W, Chen CH, Plunkett B, Roberts MH, Schleimer RP, Hopkin JM, Huang SK. Variation in dinucleotide (GT) repeat sequence in the first exon of the STAT6 gene is associated with atopic asthma and differentially regulates the promoter activity in vitro. *J Med Genet* 2004; 41(7):535-9.

Gao PS, Mao XQ, Enomoto T, Feng Z, Gloria-Bottini F, Bottini E, Shirakawa T, Sun D, Hopkin JM. An asthma-associated genetic variant of STAT6 predicts low burden of ascaris worm infestation. *Genes Immun.* 2004 Jan; 5(1):58-62.

Gao PS. Epidemiology of asthma and atopy: environmental and genetic studies. Thesis. University of Wales Swansea 2002.

Fukunaga K, Asana K, Mao XQ, **Gao PS**, et al. Association between variants of CCR3 and atopic asthma. *Eur Respir J* 2001;1:24-28

Geok TS, **Gao PS**, Hopkin JM, Rook GW. Interleukin-4 and its alternatively splice variant (IL-4 δ 2) in atopic asthmatics. *Am J Respir Crit Care Med.* 2001; 164:1016-18.

Gao PS, Mao XQ, Hopkin JM, Adra CN, Yang X, Shirakawa T. Functional significance of polymorphisms of the interleukin-4 and Interleukin-13 receptors in allergic disease. *Clin Exp Allergy.* 2000; 30: 1672-1675.

Gao PS, Kawada H, Kasamatsu T, et al. Variants of NOS1, NOS2, and NOS3 genes in Asthmatics. *Biochem.Biophys.Res.Commun* 2000;267:761-763

Gao PS, Fujishima S, Mao XQ, et al. Genetic variants of NRAMP1 and active tuberculosis in Japanese populations International Tuberculosis Genetics Team. *Clin Genet.* 2000 Jul; 58(1): 74-6.

Gao PS, Mao XQ, Roberts MH et al. Variants of STAT6 (signal transducer and activator of transcription 6) in atopic asthma. *J Med Genet.* 2000 May; 37 (5): 380-382.

Kruse S, Mao XQ, Roberts MH, **Gao PS**, et al. The Ile198Thr and Ala379Val variants of plasmatic PAF-acetylhydrolase impair catalytical activities and are associated with atopy and asthma. *Am J Hum Genet.* 2000 May; 66(5): 1522-30.

Heinzmann A, Mao XQ, Akaiwa M, **Gao PS**, et al. Genetic variants of IL-13 signalling and human asthma and atopy. *Hum Mol Genet.* 2000 Mar; 9(4): 549-59.

Gao PS, Mao XQ, Enomoto T, et al. Nonpathogenic common variants of IFNGR1 and IFNGR2 in association with total serum IgE levels. *Biochem.Biophys.Res.Commun.* 1999; 263(2): 425-429.

Mitsuyasu H, Yanagihara Y Mao XQ, **Gao PS**, et al. Dominant effect of Ile50 Val variant of the human interleukin-4 α chain in IgE synthesis. *J Immunol.* 1999; 162: 1227-1231

Mao XQ, **Gao PS**, Roberts MH et al. Variants of ET-1 and its receptors in atopic asthma. *Biochem.Biophys.Res.Commun.* 1999; 262: 259-262.

Adra CN, Mao XQ, **Gao PS**, et al. Chromosome 11q13 and asthma. *Clin.Genet.* 1999; 55: 431-437.

Gao PS, Baldini M, Mao XQ, et al. Association between atopic asthma and variants of CD14 on chromosome 5q31 in British and Japanese populations. **Clin.Genet.**1999; 56: 164-165.

Mitsuyasu H, Izuhara K, **Gao PS**, et al. Ile50Val variant of interleukin-4 receptor (IL-4R α) α chain upregulates IgE synthesis by B-lymphocytes and predicts childhood asthma. **Nature Genet.** 1998; 19: 119-120

Gao PS, Mao XQ, Kawai M et al. No association between asthma and variants of CC16 on chromosome 11q13 in British and Japanese populations. **Hum.Genet.** 1998; 103: 57-59.

Adra CN, **Gao PS**, Mao XQ, et al. Variants of BCL6 and marked atopy. **Clin.Genet.** 1998; 54: 362-364.

Gao PS, Mao XQ, Kawai M, et al. Lack of association between ACE gene polymorphisms and atopy and asthma in British and Japanese populations. **Cln.Genet.** 1998; 54: 245-247.
