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## BIOGRAPHICAL SKETCH

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NAME in English <b>Li-Mei Pai</b>	POSITION TITLE Assistant Professor, Graduate Institute of Biomedical Sciences, Department of Biochemistry
NAME in Chinese 白麗美	

### EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE (if applicable)	MM/YY	FIELD OF STUDY
National Yang-Ming University, Taiwan	B.S.	05/1989	Microbiology and Immunology
University of North Carolina at Chapel Hill	Ph.D.	05/1997	Developmental Biology
Princeton University	Postdoctoral	12/2000	Developmental Biology

## A. Positions and Honors

### Positions and Employment

2000 Dec-present Assistant professor, Chang-Gung University (Taiwan)  
Graduate Institute of Biomedical Science  
Department of Biochemistry

### Other Experience and Professional Memberships

1997- Member, Genetics Society of America

## B. Selected Peer-reviewed Publications (2005-2010) (in chronological order)

Nian-Kang Sun, Chun-Ling Sun, Chia-Hua Lin, **Li-Mei Pai** and Chuck C.-K. Chao.\* (2010. 04) Damaged DNA-binding protein 2 (DDB2) protects against UV irradiation in human cells and Drosophila. Journal of Biomedical Science, 17, 27. SCI

Chen-Hsin Liao, Shih-Chi Yeh, Ya-Hui Huang, Ruey-Nan Chen, Ming-Ming Tsai, Wei-Jan Chen, Hsiang-Cheng Chi, Pei-Ju Tai, Chia-Jung Liao, Sheng-Ming Wu, Wan-Li Cheng, **Li-Mei Pai** and Kwang-Huei Lin.\* (2010.01) Positive regulation of spondin 2 by thyroid hormone is associated with cell migration and invasion. Endocrine-Related Cancer. 17(1):99-111 .SCI

Ju-Chien Cheng, Yung-Ju Yeh, **Li-Mei Pai**, Ming-Ling Chang and Chau-Ting Yeh.\*(2009) 293 Cells Over-expressing Human ADI1 and CD81 are Permissive for Serum-derived Hepatitis C Virus Infection. Journal of Medical Virology, 81, 1560-1568. SCI

Lan-Sun Chen, Pei-Chi Wei, Taming Liu, Chung-Hsuan Kao, **Li-Mei Pai** and Chien-Kuo Lee.\* (2009/02). STAT2 hypomorphic mutant mice display impaired dendritic cell development and antiviral response. Journal of Biomedical Science, 16, 22. SCI

Wang, P.Y., Chang, W. L., and **Pai, L.M.**\* (2008) Smiling Gurken gradient. Fly, 2:3, 1-3. SCI

Chang, W. L., Liou, W., Pen, H.C., Chou, H.Y., Chang, Y.W., Li, W.-H., Chiang, W. and **Pai, L.M.**\* (2008) The gradient of Gurken, a long range morphogen, is directly regulated by Cbl-mediated endocytosis. Development, 135, 1923-1933. SCI

**Pai, L.M.\***, Wang, P.Y., Chen, S.R., Barcelo, G., Chang, W.L., Nilson, L., and Schüpbach, T. (2006)  
Differential effects of Cbl isoforms on Egfr signaling in *Drosophila*. *Mechanisms of Development*, 123, 450-462. SCI

\*: corresponding author

## C. Research Support

### Ongoing Research Support

NSC97-2311-B-182-001-MY3 08/01/08-07/31/11

The role of D-Cbl in epithelial cell polarity

The goal of this study is to investigate the molecular mechanism by which D-CblS, a negative regulator of EGFR signaling, affects the polarity of *Drosophila* follicular epithelium.

Role: PI

CMRPD180111-180113 06/01/09-05/31/12

Functional analysis of a novel HCV-associated cellular factor (ADI1) in human hepatocellular carcinoma and in *Drosophila*

The goal of this study is to study the function of D-ADI1 in *Drosophila* development and reveal the role of h-ADI1 in HCV infection.

Role: PI

### Completed Research Support (2006-2010)

NSC96-2311-B-182-004 08/01/07-07/31/08

Characterization of a novel gene in *Drosophila* dorsal-ventral patterning

The goal of this study was to cloning a new gene involving in body axis determination of *Drosophila*.

Role: PI

NSC96-2311-B-182-005 08/01/06-07/31/06

The mechanism by which D-Cbl down-regulates EGFR signaling

The goal of this project was to analyze the mechanism of reducing Egfr signaling by D-Cbl.

Role: PI

CMRPD140201-3 10/01/05-09/30/08

Identification of genes abnormally up-regulated in Hepatocellular Carcinoma controlling metastasis

The goal of this project was to find biological function of highly expressed genes in HCC in cell migration

Role: PI