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研究領域	個人健康管理、旅遊健康管理、生理學、生物學
實務專長	健康管理、休閒生理
任教科目	個人健康管理、旅遊健康評估與管理、人體構造與功能 概論、運動生理學、生物學
主要經歷	國立台灣師範大學生命科學系助教 致理技術學院休閒遊憩管理系助理教授
證 照	1. EMT-1 2. C 級自行車領隊 3. D 級中華競技疊杯裁判 4. 急救員 5. 丙級美容師
著 作	( A ) 學術期刊論文 1. Bor-Show Tzang, Chun-Ching Chiu, Chun-Chou Tsai, Yi-Ju Lee, <u>I-Jung Lu</u> , Jing-Yu Shi, and Tsai-Ching Hsu.

	Effects of human parvovirus B19 VP1 unique region protein on macrophage responses <i>J Biomed Sci.</i> 16(1): 13, 2009 (SCI)
2.	Kun-Ze Lee, David D. Fuller, <u>I-Jung Lu</u> , Li-Chi Ku, Ji-Chuu Hwang. Pulmonary C-fiber receptor activation abolishes uncoupled facial nerve activity from phrenic bursting during positive end-expired pressure in the rat. <i>J Appl. Physiol.</i> 104(1):119-29, 2008 (SCI)
3.	Kun-Ze Lee, David D. Fuller, Li-Chu Tung, <u>I-Jung Lu</u> , Li-Chi Ku, and Ji-Chuu Hwang. Uncoupling of upper airway motor activity from phrenic bursting by positive end-expired pressure in the rat. <i>J Appl. Physiol.</i> 102(3):878-89, 2007 (SCI)
4.	Kun-Ze Lee, David D. Fuller, <u>I-Jung Lu</u> , Jin-Tun Lin, and Ji-Chuu Hwang. Neural drive to tongue protruder and retractor muscles following pulmonary C-fiber activation. <i>J Appl. Physiol.</i> 102(1): 434 -444, 2007 (SCI)
5.	<u>Jung Lu</u> , Kun-Ze Lee, and Ji-Chuu Hwang. Capsaicin-induced activation of pulmonary vagal C fibers produces reflex laryngeal closure in the rat. <i>J. Appl. Physiol.</i> 101: 1104-1112, 2006 (SCI)
6.	<u>Jung Lu</u> , Kun-Ze Lee, Jin-Tun Lin, and Ji-Chuu Hwang. Capsaicin administration inhibits the abducent branch but excites the thyroarytenoid branch of the recurrent laryngeal nerves in the rat. <i>J. Appl. Physiol.</i> 98:1646-1652, 2005 (SCI)
7.	Kun-Ze Lee, <u>I-Jung Lu</u> , Li-Chi Ku, Jin-Tun Lin, and Ji-Chuu Hwang. Response of Respiratory-Related Hypoglossal Nerve Activity to Capsaicin-Induced Pulmonary C-Fiber. <i>J Biomed Sci</i> 10:706-717, 2003

(SCI)

8. I-Jung Lu, Li-Chi Ku, Jin-Tun Lin, Kun-Ze Lee and Ji-Chuu Hwang. Pulmonary C-fiber activation enhances respiratory-related activities of the recurrent laryngeal nerve in rats. *Chinese J Physiol* 45(4):143-154, 2002

(SCI)

**( B ) 研討會論文**

1. Hsin-Yeh Tsai, Kun-Ze Lee, I-Jung Lee, Shu-Ju Yang, Ji-Chuu Hwang. Lung deflation produces modulation on recurrent laryngeal nerve output in the rat. The XXIII Joint Annual Conference of Biomedical Sciences. P101 (abstracts), 2008
2. Yi-Fan Chen, Kun-Ze Lee, I-Jung Lu, Shu-Ju Yang, Ji-Chuu Hwang. Clonidine reduces uncoupled activity of upper airway motor outputs during phrenic apnea induced by positive end-expired pressure in rats. The XXIII Joint Annual Conference of Biomedical Sciences. P302 (abstracts), 2008
3. Kun-Ze Lee, I-Jung Lu, Shu-Ju Yang, and Ji-Chuu Hwang, Inhibition of respiratory-related activity of the facial nerve by pulmonary vagal C-fiber activation in the rat. The FASEB Journal. 21:918.1, 2007
4. Chih-Yi Tsai, Kun-Ze Lee, I-Jung Lu, and Ji-Chuu Hwang, Neural mechanism of glottal closure evoked by anandamide in the rat. The FASEB Journal. 21:1b590, 2007
5. Yi-fan Chen, Kun-Ze Lee, Chih-Yi Tsai, Hsin-Yeh Tsai, I-Jung Lu, and Ji-Chuu Hwang, Inhibition of clonidine on pre-inspiratory activity of the upper airway motor nerves in the rat. The FASEB Journal. 21:1b591, 2007
6. Kun-Ze Lee, I-Jung Lu, Ji-Chuu Hwang. Decrease in

	<p>tongue force-development with activation of pulmonary vagal c-fibers in rats. The XXII Joint Annual Conference of Biomedical Sciences. P013 (abstracts), 2007</p> <p>7. Chih-Yi Tsai, Kun-Ze Lee, <u>I-Jung Lu</u>, Ji-Chuu Hwang Responses of the adducent and abducent branches of the recurrent laryngeal nerve to anandamide administration in the rat. The XXII Joint Annual Conference of Biomedical Sciences. P450 (abstracts), 2007</p> <p>8. Yi-Fan Chen, Kun-Ze Lee, Chih-Yi Tsai, <u>I-Jung Lu</u>, Ji-Chuu Hwang. Modulation of clonidine on the upper airway motor nerve activities in the rat. The XXII Joint Annual Conference of Biomedical Sciences. P454 (abstracts), 2007</p> <p>9. Kun-Ze Lee, <u>I-Jung Lu</u>, Shu-Ju Yang, and Ji-Chuu Hwang. Characteristics of pre-inspiratory and decoupled activities of the upper airway motoneurons in the rat. The FASEB Journal. 20:A371, 2006</p> <p>10. Chih-Yi Tsai, Kun-Ze Lee, <u>I-Jung Lu</u>, Ji-Chuu Hwang. Responses of the adducent branch of the recurrent laryngeal nerve to anandamide administration in the rat. The XXI Joint Annual Conference of Biomedical Sciences. P250 (abstracts), 2006</p> <p>11. Kun-Ze Lee, <u>I-Jung Lu</u>, Shu-Ju Yang, and Ji-Chuu Hwang. Preceding discharge of the hypoglossal branches depends on glycinergic inhibition in rats. The XXXV International Congress of Physiological Sciences, 2005</p> <p>12. <u>I-Jung Lu</u>, and Ji-Chuu Hwang. Laryngeal response to activation of pulmonary C-fibers by capsaicin in the rat. The XIX Joint Annual Conference of Biomedical</p>
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Sciences P400 (abstract), 2004

13. I-Jung Lu, Jin-Tun Lin and Ji-Chuu Hwang.  
Respiratory- related activities of the recurrent laryngeal  
nerve in response to stimulation of pulmonary c-fibers in  
the rat. The XVII Joint Annual Conference of  
Biomedical Sciences. P69 (abstracts), 2002

### ( C ) 國科會計畫

1. 「神經退化性疾病：第十七型多黏醯胺小腦萎縮症致病機轉與藥物發展研究-第十七型脊髓小腦萎縮症：老鼠模式聲門功能異常之研究」共同主持人(國科會專題研究計畫 2008/08-2011/07)
2. 「神經退化性疾病：多黏醯胺脊髓小腦萎縮症生物指標/致病機轉/藥物發展-第十七型脊髓小腦萎縮症轉殖鼠聲門功能異常之研究」共同主持人 (國科會專題研究計畫 2007/08-2008/07)

### ( D ) 產學合作

1. 「只要健康不要重」專業減重門診職場實務(2010 企業產學計畫案)
2. 基隆市文良休閒農場農特產品包裝設計行銷案(2011 政府產學計畫案)
3. 企業 ( 見 ) 實習與職場體驗計畫-以 2010 年鼎將活動專案為例(2010 企業產學計畫案)
4. 台灣地區國民運動中心需求及可行性分析(2009 企業產學計畫案)
5. 幼兒健康體適能評估與研究-以「第八屆悅嘉托兒所畢業典禮暨體適能才藝成果發表會」為例主持人(2008 企業產學計畫案)
6. 導遊與領隊學分學程計畫主持人 ( 教育部補助 2008/8-2009/7 )

7.2008 綠衣天使盃 Street Ball 街頭籃球錦標賽(2008 企業產學計畫案) 協同主持人

8.郵局 2007 street ball 街頭籃球比賽(2007 企業產學計畫案) 協同主持人

**( E ) 得獎記錄**

1.99 學年度教學卓越教師

2.99 學年度優良導師

3.97 學年度優良導師

4.96 學年度優良導師