

Curriculum Vitae

Woei-Cherng Shyu (徐偉成)

ADDRESS

No.91 Hsueh-Shih Road
Taichung, Taiwan 40402, R.O.C
China Medical University
Tel: +886-4-22052121 ext. 7812
Fax: +886-4-22052121 ext. 7810
Email: shyu9423@gmail.com

Present position

Vice Superintendent, China Medical University
Hospital
Professor, Inst. of Biomedical Sciences
China Medical University

EDUCATION:

Ph.D. Department of Medical Sciences
1997 - 2000 National Defense Medical College

M.D. Department of Medicine
1982 - 1989 National Defense Medical College

ACADEMIC APPOINTMENTS:

2002 - 2007 Dept. of Neurology, Tzu-Chi Memorial Hospital
2000 - 2002 Attending Physician, MacKay Memorial Hospital
1997 - 1999 Attending Physician, Wan-Fang Municipal Hospital
1992 - 1997 Attending Physician, Triservice General Hospital

PUBLICATIONS:

1. Yu-Jung Lin, **Woei-Cherng Shyu**, Chi-Wei Chang, Chi-Chung Wang, Chung-Pu Wu, Hsu-Tung Lee, Liang-Jwu Chen, Chia-Hung Hsieh. Tumor Hypoxia Regulates Forkhead Box C1 to Promote Lung Cancer Progression. **Theranostics** **2017;7: 1177-1191**
2. Hsu-Tung Lee, Shih-Ping Liu, Chen-Huan Lin, Sophie Wei Lee, Chung Y. Hsu, Huey-Kang Sytwu, Chia-Hung Hsieh, **Woei-Cherng Shyu**. A Crucial Role of CXCL14 for Promoting Regulatory T Cells Activation in Stroke. **Theranostics** **2017;7: 855-875**
3. Hsieh CH, Lin YJ, Chen WL, Huang YC, Chang CW, Cheng FC, Liu RS, **Shyu WC**. **HIF-**

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4. Hsiao-Yu Chiu, Chen-Huan Lin, Chung Y. Hsu, John Yu, Chia-Hung Hsieh and **Woei-Cherng Shyu**. IGF1R⁺ Dental Pulp Stem Cells Enhanced Neuroplasticity in Hypoxia-Ischemia Model. **Mol Neurobiol** 2016 (in press)

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5. Hsu-Tung Lee, Hao-Teng Chang, Sophie Lee, Chen-Huan Lin, Jia-Rong Fan, Shinn-Zong Lin, Chung Y. Hsu, Chia-Hung Hsieh and **Woei-Cherng Shyu**. Role of IGF1R⁺ MSCs in modulating neuroplasticity via CXCR4 crossinteraction. **Scientific Reports** 2016;6:32595
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 8. Chou Ruey-Hwang; Chiu Lian; Yu Yung-Luen; **Shyu Woei-Cherng**. The Potential Roles of EZH2 in Regenerative Medicine. **Cell Transplantation**, 2015 ; 24(3) : 313–317. IF=3.127, R/C:11/21, CELL & TISSUE ENGINEERING, Times Cited=0
 9. Lin CH, Chiu L, Lee HT, Chiang CW, Liu SP, Hsu YH, Lin SZ, Hsu CY, Hsieh CH. **Shyu WC**. PACAP38/PAC1 Signaling Induces Bone Marrow-Derived Cells Homing to Ischemic Brain. **Stem Cells** 2015; 33(4):1153–1172, IF=6.523 , R/C:2/21,doi: 10.1002/stem.1915 , Times Cited=0
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Patents obtained or pending:

Table II. Patent and technology transfer list

No.	Technology	Month/Year	Manufacturer/ Country	Usage 1.Patent 2.Technology transfer 3.Industry-university cooperation 4.Industry alliance 5.Startups	Supporting information (issued number)
1	Pluripotent Olfactory Stem Cell	12/2012-12/2023 11/2009-01/2026	USA and Taiwan	1.Patent	US8329166B2 TWN I 313301
2	Magnetic separation device and methods for separation magnetic substance in biosample (kit and machine)	04/2014-04/2031 05/2012-12/2029 07/2013-04/2013	USA and Taiwan	1.Patents	US8701893 B2 TWN I 362964 TWN I 407101
3	Methods For Preparing Human Umbilical Cord Serum As A Culture Medium And Culturing Stem Cells	08/2008-07/2025	Taiwan	1.Patent	TWN I 300095
4	Medical Use Of Secretoneurin For Treating Brain Tissue Damages	09/2008-08/2028 01/2009-02/2026	USA and Taiwan	1.Patent	US7427597 B2 TWN I 305496
5	Treating Cerebrovascular Diseases With Erythropoietin And Granulocyte-Colony Stimulating Factor Jointly	11/2009-07/2029 07/2010-08/2027	USA and Taiwan	1.Patent	US 7,618,938B2 TWN I 327473

6	Methods Of Increasing Neurotrophic Factor Expression	08/2009-07/2029	USA	1.Patent 2.Technology transfer (Stemcyte Biotechnology)	US 7,569,545 B2
7	BRAIN TISSUE DAMAGE THERAPIES	04/2011-03/2031	USA, Taiwan	1.Patent 2.Technology transfer (Ever Supreme Biotechnology) 3.Startups (Ever Supreme Biotechnology)	US 7,923,007 B2
8	Adult Pluripotent Olfactory Stem Cell regulated by Bmi-1	2016	Filed	1.Patent 2.Technology transfer (Ever Health Biotechnology and U-Neuron Biotechnology) 3.Startups (U-Neuron Biotechnology)	
9	MESENCHYMAL STEM CELL..METHOD FOR CLONOGENIC EXPANSION THEROF,METHOD FOR ISOLATING THEREOF AND USE THEREOF (IGF1R+ MSCs)	12/2012-12/2032	USA, Taiwan, China, Japan. European, PCT	1.Patent 2.Technology transfer (Ever Supreme and Ever Health Biotechnology) 3.Startups (Ever Supreme and Ever Health Biotechnology)	TWN I 589698

金額單位：新臺幣/元

序號	研發成果名稱	計畫編號	發明人	計畫經費	研究計畫 發明科技部 專科技部獎 補助金	科技部 合編號	授權對象	授權方式 (專屬/非 專屬)	授權 地區	授權 年限	合約權利 金總額	目前合約 已收收入 (須超過100萬 元)	已繳交科 技部收入	目前產出 投入比(目 前已收合 約收入/計 畫經費)
1	間質幹 細胞、其 純株化 擴張之 方法、其 分離方 法及其 應用	NSC 97-2628-B- 039-001-M Y3	徐偉成	2,800,000	63,200	MOST- N-105- 00048	長新生醫國際 股份有限公司	專屬	全球	10	4,000,000	4,019,714	803,643	179.28%
						MOST- N-106- 00094	長聖國際生技 股份有限公司	專屬	全球	20	10,000,000	300,000	60,000	
							長聖國際生技 股份有限公司	專屬	全球	20	10,000,000	700,000	-	