

個人簡介

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大專 以上 學歷	學校名稱	系所	學位	授予學位	國家或地區
	國立臺灣海洋大學	生物科技研究所	博士	97 年	臺灣
	國立臺灣海洋大學	海洋生物研究所	碩士	93 年	臺灣
	國立東華大學	生命科學系	學士	91 年	臺灣
經歷	服務機關名稱	職別	專兼任	任職時間	
	國立臺灣海洋大學 海洋中心	助研究員	專任	99 年 4 月 ~現在	
	國立臺灣海洋大學 水產養殖系	助理教授	兼任	101 年 8 月 ~現在	
	法國海洋開發研究中心 (IFREMER)	訪問研究員	兼任	100 年 4 月/ 100 年 6 月	
	國立臺灣海洋大學 水產養殖系	博士後研究員	專任	97 年 8 月/97 年 10 月; 98 年 1 月/99 年 3 月	
專長	<ol style="list-style-type: none"> 1. 魚類性別調控與生殖發育 2. 水生動物生殖生理 3. 水生動物表觀遺傳調控 4. 分子生物技術 				
執行中之計畫	基因外調控對黑鯛生殖腺發育與性轉變的關係：環化酵素啟動子的甲基化 (NSC-99-2313-B-019-014-MY3) (100 年 8 月~103 年 7 月)				

國際期刊論文發表

	論文內申請人姓名加註粗體與下標；責任作者加註米字號(*)。	Impact Factor	SCI Rank Factor N / M
1	He, C. L., Du, J. L., Wu, G. C. , Lee, Y. H., Sun, L. T., and Chang, C. F.* 2003. Differential <i>Dmrt1</i> transcripts in gonads of the protandrous black porgy, <i>Acanthopagrus schlegeli</i> . Cytogenet. Genome Res. 101: 309-313.	1.533	GENETICS & HEREDITY: 120/157 (76.4%)
2	Lee, Y. H., Wu, G. C. , Du, J. L., and Chang, C. F.* 2004. Estradiol-17 β induced areversible sex change in the fingerlings of protandrous black porgy, <i>Acanthopagrus schlegeli</i> Bleeker. Biol. Reprod. 71, 1270-1278.	4.009	REPRODUCTI ON: 3/28 (10.7%)
3	Wu, G. C. , Du, J. L., Lee, Y. H., Lee, M. F., and Chang, C. F.* 2005. Current status of genetic and endocrine factors in the sex change of protandrous black porgy, <i>Acanthopagrus schlegeli</i> . Annals New York Academy Sci. 1040, 206-214.	3.155	MULTIDISCI PLINARY SCIENCES: 6/55 (10.9%)
4	Tomy, S., Wu, G. C. , Huang, H. R., Dufour, S., and Chang, C. F.* 2007. Developmental expression of key steroidogenic enzymes in the brain of protandrous black porgy fish, <i>Acanthopagrus schlegeli</i> . J Neuroendocrinol. 19, 643-655.	3.138	ENDOCRINOL OGY & METABOLISM : 51/121 (42.1%)
5	Wu, G. C. , Tomy S., and Chang, C. F.* 2008. The expression of <i>nr0b1</i> and <i>nr5a4</i> during gonad development and sex change in protandrous black porgy fish, <i>Acanthopagrus schlegeli</i> . Biol. Reprod. 78, 200-210.	4.009	REPRODUCTI ON: 3/28 (10.7%)
6	Wu, G.C. , Tomy, S., Nakamura, M., and Chang, C. F.* 2008. Dual roles of <i>cyp19a1a</i> on gonadal diffrentiation and development in the protandrous black porgy, <i>Acanthopagrus schlegeli</i> . Biol. Reprod. 79, 1111-1120.	4.009	REPRODUCTI ON: 3/28 (10.7%)
7	Tomy, S., Wu, G. C. , Huang, H. R. and Chang, C. F.* 2009. Age-dependent differential expression of genes involved in steroid signalling pathway in the brain of protandrous black porgy, <i>Acanthopagrus schlegeli</i> . Dev. Neurobiol. 69, 299-313.	3.551	NEUROSCIEN CES: 83/243 (33.7%)
8	Wu, G. C. and Chang, C. F.* 2009. Wnt4 is associated with the development of ovarian tissue in the protandrous black porgy, <i>Acanthopagrus schlegeli</i> . Biol. Reprod. 81, 1073-1082.	4.009	REPRODUCTI ON: 3/28 (10.7%)
9	Wu, G. C. , Tomy, S., Lee, Y. H., Lee, M. F., Yueh, W. S., Lin, C. J., Lau, E. L. and Chang, C. F.* 2010. Sex differentiation and sex change in the protandrous black porgy, <i>Acanthopagrus schlegeli</i> . Gen. Comp. Endocrinol. 167, 417-421.	3.267	ENDOCRINOL OGY & METABOLISM : 48/121 (39.7%)

10	Lin, C. J., Wu, G. C. , Lee, M. F., Lau, E. L., Dufour, S., and Chang, C. F.* 2010. Regulation of two forms of gonadotropin-releasing hormone receptor gene expression in the protandrous black porgy fish, <i>Acanthopagrus schlegeli</i> . Mol. Cell. Endocrinol. 323, 137-146.	4.192	ENDOCRINOLOGY & METABOLISM : 32/121 (26.4%)
11	Wu, G. C. , Chiu, P. C., Lyu, Y. S., and Chang, C. F.* 2010. The expression of <i>amh</i> and <i>amhr2</i> is associated with the development of gonadal tissue and sex change in the protandrous black porgy, <i>Acanthopagrus schlegeli</i> . Biol. Reprod. 83, 443-453.	4.009	REPRODUCTION: 3/28 (10.7%)
12	Wu, G. C. , Chiu, P. C., Lin, C. J., Lyu, Y. S., Lan, D. S., and Chang, C. F.* 2012. Testicular <i>dmr1</i> is involved in the sexual fate of the ovotestis in the protandrous black porgy. Biol. Reprod. 86, 41: 1-11.	4.009	REPRODUCTION: 3/28 (10.7%)
13	Wu, G. C.* and Chang, C. F.* 2013. The switch of secondary sex determination in protandrous black porgy, <i>Acanthopagrus schlegeli</i> . Fish Physiol. Biochem. 39, 33-38. (共同通信作者)	1.528	Fisheries: 20/48 (41.7%)
14	Wu, G. C.* and Chang, C. F.* 2013. Oocytes Survive in the Testis By Altering the Soma Fate from Male to Female in the Protandrous Black Porgy, <i>Acanthopagrus schlegeli</i> . Biol. Reprod. (In press) (共同通信作者)	4.009	REPRODUCTION: 3/28 (10.7%)

國際研討會論文發表

1	Wu, G. C.* , Du, J. L., Lee, Y. H. and Chang, C. F. 2005. Sex differentiation and sex change in the protandrous black porgy, <i>Acanthopagrus schlegeli</i> . 15th International Congress of Comparative Endocrinology. Boston, USA. Oral presentation (*口頭發表).
2	Wu, G. C. and Chang, C. F. 2007. Role of <i>dax-1</i> and <i>sf-1</i> in the gonad development and sex change in the protandrous black porgy, <i>Acanthopagrus schlegeli</i> . Saint Malo, France. Poster.
3	Wu, G. C.* and Chang, C. F. 2008. The interaction of <i>nr0b1</i> and <i>nr5a4</i> in the sex differentiation and development of the gonad in protandrous black porgy, <i>Acanthopagrus schlegeli</i> . 41st Annual Meeting of the Society for the Study of Reproduction. Hawaii, USA. Oral presentation (*口頭發表).
4	Wu, G. C. and Chang, C. F. 2009. Testis regulated ovarian development and natural sex change in protandrous black porgy, <i>Acanthopagrus Schlegeli</i> . 16th International Congress of Comparative Endocrinology. Hong-Kong, China. Poster.
5	Wu, G. C.* and Chang, C. F. 2010. Evolution of Gonad Differentiation and Sex Change. 2010 Taiwan-France Conference "Biodiversity and Ecophysiology of Marine Organisms". Taiwan. Oral presentation (Invited speaker, 邀請演講)
6	Wu, G. C. and Chang, C. F. 2011. Is Testis Involved the Sexual Fate of Ovotestis in the Protandrous Black Porgy? 2011 East China Sea Workshop (8 th International Workshop on Oceanography & Fisheries Science of the East China Sea). Okinawa, Japan. Oral presentation (*口頭發表).

7	<p>Wu, G. C. and Chang, C. F. 2012. An Epigenetic Switch Mediates the Fate Determination of Ovary in Protandrous Black Porgy Fish. Sixth International Symposium on Vertebrate Sex Determination. Hawaii, USA. Oral presentation (*口頭發表).</p>
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