

Dr. Fang-Rong Chang – Brief Resume

NAME: FANG-RONG CHANG

POSITION /INSTITUTION:

Professor, Lab of Pharmacognosy
Director, Graduate Institute of Natural Products(GINP)
College of Pharmacy
Kaohsiung Medical University (KMU)
No. 100, Shih-Chuan 1st Road
Kaohsiung 807, Taiwan



Tel: +886-7-3121101 ext 2162; **Fax:** ++886-7-3114773; **E-MAIL :** aaronfrc@kmu.edu.tw

EDUCATION:

<i>Institution & Location</i>	<i>Field of Study</i>	<i>Degree</i>	<i>Year Conferred</i>
Chung-Shan Medical University (Taiwan)	Nutrition	B.S.	1984/09-1988/06
Kaohsiung Medical University (Taiwan)	Pharmacognosy	M.S. (1 year)	1990/09-1991/08
Kaohsiung Medical University (Taiwan)	Pharmacognosy	Ph. D.	1991/09-1995/06
University of North Carolina (USA)	Natural Products & Medicinal Chemistry	Post Dr. Scholor	2001/07-2001/12 1998/07-1998/09
Okayama University of Science (Japan)	Transgenic Plant Assay	Post Dr. Scholor	2004/07-2004/09

EMPLOYMENT:

1994/05-1996/07 Teaching Assistant of Pharmacognosy and School of Pharmacy, KMU
1996/08-1998/07 Instructor of Pharmacognosy and School of Pharmacy, KMU
1998/08-2002/07 Assistant Professor of Pharmacognosy and Graduate Institute of Natural Products (GINP), KMU
2002/08-2005/07 Associate Professor of Pharmacognosy and GINP, KMU
2005/08-2006/07 R&D leader of College of Pharmacy, KMU
2005/08-now Professor of Pharmacognosy and GINP, KMU
2006/08-now Director of GINP, KMU
2007/12 Visiting Scholor of Okayama University of Science, Tokushima Bunri University, Chiba University of Science
2009/02 Visiting Scholor of Uppsala University, Sweden

HONORS & AWARDS

1. 1995 Second Grade Award, National Science Council, Taiwan
2. 1997, 1998, 2000 First Grade Award, National Science Council, Taiwan
3. 1998 Outstanding Academic Alumnus Award, Chung-Shan Medical University, Taiwan
4. 2004 Best RPI Young Research Award
5. 2001-now Project Stipend Award, National Science Council, Taiwan

RESEARCH INTEREST :

Natural Products Chemistry, Medicinal Chemistry; Transgenic Plant (Arabidopsis) Reporter Assay
Functional Food, Traditional Chinese (Herbal) Medicine, and New Drug Development

PUBLICATION, PATENTS AND OTHERS

More than 165 research articles in refereed journals, more than 10 patents issued or in application, more than 200 poster presentation, more than 50 invited lectures, and author of several book chapters.

Editorial Board Membership:

Chinese Journal of Medicine (China), 2006~ :

Journal Reviewer :

Journal of Natural Products (USA), 2005~

Planta Medica (Germany), 2006~

J. Agri. Food. Chem. (USA), 2006~

Biol. Pharm. Bull (Japan), 2008

Biomedical Chromatography, 2008~

Tetrahedron Letters, 2007

Fitoterapia, 2008

Cancer Letters, 2009

European Food Research and Technology, 2009

Journal of Food and Drug Analysis, 2009

Antiviral Research, 2009

The Kaohsiung Journal of Medical Sciences, 2009

ASSOCIATION:

American Chemical Society, Member

CGCM, Consortium for Globalization of Chinese Medicine, Member

The Pharmaceutical Society of Taiwan, Life Member

The Society of Chinese Natural Medicine, Life Member

2005-2009 Publication

103. Keh-Shaw Chen, Pei-Wen Hsieh, Tsong-Long Hwang, **Fang-Rong Chang**, and Yang-Chang Wu*, 2005, "Anti-inflammatory Furanogermacrene Sesquiterpenes from *Neollitsea parvigemma*", *Nat. Prod. Res. (Nat. Prod. Lett.)*, **19**, 283-286. (SCI)
104. Pei-Wen Hsieh, **Fang-Rong Chang**, Chin-Chuang Wu, Kuen-Yuh Wu, Chien-Ming Li, Su-Li Chen, Hsin-Fu Yen, and Yang-Chang Wu*, 2005, "Longicalycinin A, a New Cytotoxic Cyclic Peptide from *Dianthus superbus* var. *longicalycinus* (Maxim.) Will.", *Chem. Pharm. Bull.*, **53**, 336-338.
105. Yang-Chang Wu, **Fang-Rong Chang**, and Chung-Yi Chen*, 2005, "Tryptamine-Derived Amides and Alkaloids from the Seeds of *Annona atemoya*.", *J. Nat. Prod.*, **68**, 406-408. (SCI)
106. Yu-Hsuan Lan, **Fang-Rong Chang**, Chih-Chung Wu, Michael Y.-N. Chiang, and Yang-Chang Wu, 2005, "Digoniodiol, Deoxygoniopypyrane A, and Goniofupyrone A: Three New Styryllactones from *Goniothalamus amuyon*", *Planta Med.*, **71**, 153-159. (SCI)
107. Pei-Wen Hsieh, Tsong-Long Hwang, Chin-Chuang Wu, **Fang-Rong Chang**, Tsai-Wei Wang, Chung-I Wu, and Yang-Chang Wu*, 2005, "The Evaluation of 2,8-Substituted Benzoxazinone Analogues as Anti-inflammatory and Anti-platelet Aggregation Agents" *Bio. Med. Chem. Lett.*, **15**, 2786-2789. (SCI)
108. **Fang-Rong Chang**,* Ken-ichiro Hayashi, Nam-Hai Chua, Shuichi Kamio, Zih-You Huang, Hiroshi Nozaki,* and Yang-Chang Wu, 2005, "The Transgenic Arabidopsis Plant System, *pER8-GFP*, as a Powerful Tool in Searching for Natural Estrogen-agonists/antagonists.", *J. Nat. Prod.*, **68**, 971-973. (SCI)
109. **Fang-Rong Chang*** and Yang-Chang Wu, 2005, "New Bisbenzylisoquinolines, Fatty Acid Amidic Aporphines, and a Protoberberine from Formosan *Cocculus orbiculatus*." *J. Nat. Prod.*, **68**, 1056-1060. (SCI)
110. Chih-Chuang Liaw, **Fang-Rong Chang**, Su-Li Chen, Chin-Chung Wu, Kuo-Hsiung Lee, and Yang-Chang Wu, 2005, "Novel Cytotoxic Monotetrahydrofuranic Annonaceous Acetogenins from *Annona montana*" *Bio. Med. Chem.*, **13**, 4767-4776. (SCI)
111. Yu-Hsuan Lan, Yi-Chen Chia, **Fang-Rong Chang**, Tsong-Long Hwang, Chih-Chuang Liaw and Yang-Chang Wu, 2005, "HCA-017. Potential antiinflammatory activities of Bractelactone and other compounds isolated from *Fissistigma bracteolatum*.", *Helv. Chim. Acta*, **88**, 905-909. (SCI)
112. Yao-Haur Kuo, Hui-Chi Huang, Li-Ming Yang Kuo, Ya-Wen Hsu, Kuo-Hsiung Lee,

- Fang-Rong Chang**, and Yang-Chang Wu*, 2005, "New Dammarane-Type Saponins from the Galls of *Sapindus mukorossi*" *J. Agri. Food Chem.*, **53**, 4722-4727. (SCI)
113. Hsia-Fen Hsu, Chao-Lin Chang, Chin-Chung Wu, **Fang-Rong Chang**, and Yang-Chang Wu, 2005, "Antioxidant Activity and Cytotoxicity of the Extract from *Glossogyne tenuifolia in Vitro*" *J. Agri. Food Chem.*, **53**, 6117-6125. (SCI)
114. Wen-Bin Pan, Li-Mei Wei, Li-Lan Wei, Chin-Chung Wu, **Fang-Rong Chang**, and Yang-Chang Wu, 2005, "Nitrophenol Derivatives Oxidized by Cerium(IV) Ammonium Nitrate (CAN) and their Cytotoxicity", *J. Chin. Chem. Soc.*, **52**, 581-588. (SCI)
115. An-Shen Lin, **Fang-Rong Chang**, Chin-Chung Wu, Chih-Chuang Liaw, and Yang-Chang Wu*, 2005, "New cytotoxic flavonoids from *Thelypteris torresiana*", *Planta Med.*, **71**, 867-870. (SCI)
116. Chin-Chung Wu*, Mei-Lin Chan, Wen-Ying Chen, Ching-Yi Tsai, **Fang-Rong Chang**, and Yang-Chang Wu*, 2005, "Pristimerin induces caspase-dependent apoptosis in MDA-MB-231 cells via direct effects on mitochondria", *Mol. Cancer Ther.*, **4**, 1277-1285. (SCI)
117. Yu-Liang Yang, **Fang-Rong Chang**, and Yang-Chang Wu*, 2005, "Squadinorlignoside, a Novel 7,9'-Dinorlignan Skeleton from the Stems of *Annona squamosa*" *Helv. Chim. Acta*, **88**, 2731-2737. (SCI)
118. Michael C. Roy, **Fang-Rong Chang**, Hsiao-Chu Huang, Michael Y-N. Chiang, and Yang-Chang Wu, 2005, "Cytotoxic Principles from the Formosan Milkweed, *Asclepias curassavica*.", *J. Nat. Prod.*, **68**, 1494-1499. (SCI)
119. Shang-Hsin Yeh, **Fang-Rong Chang**, Yang-Chang Wu, Yu-Liang Yang, Shi-Kai Zhuo, and Tsong-Long Hwang, 2005, "An Anti-inflammatory *ent*-Kaurane from the Stems of *Annona squamosa* that Inhibits Various Human Neutrophil Functions.", *Planta Med.*, **71**, 904-909. (SCI)
120. Wen-Ying Chen, Chin-Chung Wu*, Yu-Hsuan Lana, **Fang-Rong Chang**, Che-Ming Teng, Yang-Chang Wu*, 2005, "Goniothalamine induces cell cycle-specific apoptosis by modulating the redox status in MDA-MB-231 cells" *Eur. J. Pharmacol.*, **522**, 20-29. (SCI)
121. Yung-Husan Chen, **Fang-Rong Chang**, Chin-Chung Wu, Chih-Chuang Liaw, Hui-Chi Huang, Su-Li Chen, Ming-Hon Yen, and Yang-Chang Wu*, 2006, "New Cytotoxic 6-Oxygenated-8,9-dihydrofurocoumarins Hedyotiscone A-C from *Hedyotis biflora*" *Planta Medica*, **72**, 75-78. (SCI)
122. **Fang-Rong Chang**, I-Hsiao Chen, Sin-Chung Liao, Hamad H. Issa, Ken-ichiro Hayashi, Hiroshi Nozaki, Yang-Chang Wu,* and Kuo-Hsiung Lee*, 2006, "Three new Agarofuran Sesquiterpenes reissantins F-H from *Reissantia buchananii*" *Planta Medica*, **72**, 92-96. (SCI)
123. Yu-Hsuan Lan, **Fang-Rong Chang**, Yu-Liang Yang, and Yang-Chang Wu*, 2006, "New Constituents from Stems of *Goniothalamus amuyon*" *Chem. Pharm. Bull.*, **54**, 1040-1043. (SCI)
124. Donglei Yu, Yojiro Sakurai, Chin-Ho Chen, **Fang-Rong Chang**, Li Huang, Yoshiki Kashiwada, and Kuo-Hsiung Lee*, 2006, "Anti-AIDS Agents 69. Moronic Acid and Other Triterpene Derivatives as Novel Potent Anti-HIV Agents", *J. Med. Chem.*, **49**, 5462-5469. (SCI)
125. Hamad Hassan Issa, Sue-Ming Chang, Yu-Liang Yang, **Fang-Rong Chang**,* and Yang-Chang Wu*, 2006, "New Sesquiterpene Lactones from the Aerial Parts of *Pseudoelephantopus spicatus*", *Chem. Pharm. Bull.*, **54**, 1599-1601. (SCI)
126. Yi-Chen Chia, **Fang-Rong Chang**, Chin-Chuang Wu, Che-Ming Teng, Keh-Shaw Chen,* and Yang-Chang Wu*, 2006, "Antiplatelet Actions of Isoquinoline Alkaloids", *Planta Medica*, **72**, 1238-1241. (SCI)
127. **Fang-Rong Chang**, Tsong-Long Hwang, Yu-Liang Yang, Chia-En Li, Chin-Chung Wu, Hamad H. Issa, Wen-Bin Hsieh, Yang-Chang Wu*, 2006, "Antiinflammatory and Cytotoxic Diterpenes from Formosan *Polyalthia longifolia* var. *pendula*" *Planta Medica.*, **72**, 1344-1347. (SCI)
128. I-Hsiao Chen, Chin-Chung Wu, Shu-Li Chen, Pei-Wen Hsieh, **Fang-Rong Chang**,* and Yang-Chang Wu*, 2006, "Cytotoxic Triterpenoids from the leaves of *Microtropis fokiensis*", *J. Nat. Prod.*, **69**, 1543-1546. (SCI)
129. An-Shen Lin, **Fang-Rong Chang**, Hsin-Fu Yen, HannaMaria Björkeborn, Yang-Chang Wu*, 2007, "Novel Flavonoids of *Thelypteris torresiana*", *Chem. Pharm. Bull.*, **55**, 635-637. (SCI)
130. Pei-Wen Hsieh, Zih-You Huang, Jyun-Hong Chen, **Fang-Rong Chang**,* Ching-Chung Wu, Yu-Liang Yang, Michael Y. Chiang, Ming-Hon Yen, Shu-Li Chen, Hsin-Fu Yen, Tilo Lübken,

- Wen-Chun Hung, and Yang-Chang Wu*, 2007, "Cytotoxic Withanolides from *Tubocapsicum anomalum*", *J. Nat. Prod.*, 70, 747-753. (SCI)
131. Hui-Chiu Chang, **Fang-Rong Chang**, Yu-Chiu Wu, Mei-Ren Pan, Wen-Chun Hung, and Yang-Chang Wu*, 2007, "A Bioactive Withanolide Tubocapsanolide A Inhibits Proliferation of Human Lung Cancer Cells via Repressing Skp2 Expression." *Mol. Cancer Ther.*, 6, 1572-1578. (SCI)
 132. Mohamed H. Abd El-Razek, Yang-Chang Wu,* and **Fang-Rong Chang***, 2007, "Sesquiterpene Coumarins from *Ferula foetida* ", *J. Chin. Chem. Soc.*, 54, 235-238. (SCI)
 133. Yu-Lin Yang*, Shyh-Horng Lin, Lea-Yea Chuang, Jinn-Yuh Guh, Tung-Nan Liao, Tao-Chen Lee, Wen-Teng Chang, **Fang-Rong Chang**, Min-Yuan Hung, Tai-An Chiang, and Chien-Ya Hung, 2007, "CD36 Is a Novel and Potential Anti-fibrogenic Target in Albumin-induced Renal Proximal Tubule Fibrosis", *J. Cellular Biochemistry*, 101, 735-744. (SCI)
 134. Yung-Husan Chen, **Fang-Rong Chang**, Yih-Jer Lin, Lisu Wang, Jinn-Fen Chen, Yang-Chang Wu,* Ming-Jiuan Wu,* 2007, "Identification of Phenolic Antioxidants from Sword Brake Fern (*Pteris ensiformis* Burm.)", *Food Chemistry*, 105, 48-56. (SCI)
 135. An-Shen Lin, Kyoko Nakagawa-Goto, **Fang-Rong Chang**, Donglei Yu, Susan L. Morris-Natschke, Chin-Chung Wu, Shu-Li Chen, Yang-Chang Wu,* Kuo-Hsiung Lee*, 2007, "First Total Synthesis of Protoapigenone and its Analogs as Potent Cytotoxic Agents" *J. Med. Chem.*, 50, 3921-3927. (SCI)
 136. Yu-Hsuan Lan, Hsin-Yu Wang, Chin-Chung Wu, Shu-Li Chen, Chao-Lin Chang, **Fang-Rong Chang**, * and Yang-Chang Wu,* 2007, "New Constituents from Stems of *Artabotrys uncinatus*" , *Chem. Pharm. Bull.*, 55, 1597-1599. (SCI)
 137. Yu-Liang Yang, Sue-Ming Chang, Chin-Chung Wu, Pei-Wen Hsieh, Shu-Li Chen, **Fang-Rong Chang***, Wen-Chen Hung, Hamad H. Issa, And Yang-Chang Wu*, 2007, "Cytotoxic Sesquiterpene Lactones from *Pseudelephantopus spicatus*.", *J. Nat. Prod.*, 70, 1761-1765. (SCI)
 138. Chia-Lin Lee, **Fang-Rong Chang**, Pei-Wen Hsieh, Michael-Y Chiang, Chin-Chung Wu, Zih-You Huang, Yu-Hsuan Lan, Mei Chen, Kuo-Hsiung Lee, Hsin-Fu Yen, Wen-Chun Hung, Yang-Chang Wu*, 2008, "Cytotoxic *ent*-abietane diterpenes from *Gelonium aequoreum* ", *Phytochemistry*, 69, 276-287. (SCI)
 139. Yung-Husan Chen, **Fang-Rong Chang**, Yih-Jer Lin, Lisu Wang, Jinn-Fen Chen, Yang-Chang Wu*, Ming-Jiuan Wu*, 2008, "Identification of Antioxidants from Rhizome of *Davallia solida*", *Food Chem.* 107, 684-691. (SCI)
 140. Yu-Liang Yang, Kuo-Feng Hua, Pei-Hsuan Chuang, Shih-Hsiung Wu, Kuen-Yuh Wu, **Fang-Rong Chang**, and Yang-Chang Wu*, 2008, New Cyclic Peptides from the Seeds of *Annona squamosa* L. and Their Anti-inflammatory Activities. *J. Agri. Food Chem.*, 56, 386-392. (SCI)
 141. Yi-Chen Chia, Jinn-Chyi Wang, **Fang-Rong Chang**, Chin-Chung Wu, Michael Y.-N. Chiang, Yu-Hsuan Lan, Keh-Shaw Chen,* and Yang-Chang Wu,* 2008, "Antiplatelet Aggregation Coumarins from the Leaves of *Murraya omphalocarpa* ", *Molecules*, 13, 122-128. (SCI)
 142. Yung-Husan Chen, **Fang-Rong Chang**, Mei-Chin Lu, Pei-Wen Hsieh, Ming-Jiuan Wu, Ying-Chi Du, and Yang-Chang Wu,* 2008, "New benzoyl glucosides and cytotoxic pterisin sesquiterpenes from *Pteris ensiformis* Burm.", *Molecules*, 13, 255-266 (SCI)
 143. Chih-Chuang Liaw, Yu-Liang Yang, Mei Chen, **Fang-Rong Chang***, Shu-Li Chen, and Yang-Chang Wu, * 2008, "Mono-Tetrahydrofuran Annonaceous Acetogenins from *Annona squamosa* as Cytotoxic Agents and Calcium Ion Chelators", *J. Nat. Prod.*, 71, 764-771. (SCI)
 144. Wen-Ying Chen, **Fang-Rong Chang**, Zih-You Huang, Jyun-Hong Chen, Yang-Chang Wu*, Chin-Chung Wu*, 2008, "Tubocapsenolide A, A Novel Withanolide, Inhibits Proliferation and Induces Apoptosis in MDA-MB-231 cells by Thiol Oxidation of Heat Shock Proteins", *J. Biol. Chem.*, 25, 17184-17193. (SCI)
 145. Han-Lin Chang, **Fang-Rong Chang**, Jin-Shan Chen, Hui-Po Wang, Yi-Hsiu Wu, Chien-Chiao Wang, Yang-Chang Wu* and Tsong-Long Hwang*, 2008, "Inhibitory effects of 16-hydroxycleroda-3,13(14)E-dien-15-oic acid on superoxide anion and elastase release in human neutrophils through multiple mechanisms", *Eur J Pharmacol.*, 586:332-339.(SCI)

146. Shou-Fang Wu, Pei-Wen Hsieh, Chin-Chung Wu, Chia-Lin Lee, Shu-Li Chen, Chi-Yu Lu, Tian-Shung Wu, **Fang-Rong Chang***, Yang-Chang Wu*, 2008, "Camptothecinoids from the seeds of Taiwanese *Nothapodytes foetida*" *Molecules*, 13, 1361-1371. (SCI)
147. Chia-Lin Lee, Kyoko Nakagawa-Goto, Donglei Yu, Yi-Nan Liu, Kenneth F. Bastow, Susan L. Morris-Natschke, **Fang-Rong Chang**, Yang-Chang Wu* and Kuo-Hsiung Lee*, 2008, "Cytotoxic Calanquinone A from *Calanthe arisanensis* and Its First Total Synthesis", *Bioorg Med Chem Lett.*, 18, 4275-4277. (SCI)
148. Yu-Li Chen, Yu-Hsuan Lan, Pei-Wen Hsieh, Chin-Chung Wu, Shu-Li Chen, Chiao-Ting Yen, **Fang-Rong Chang***, Wen-Chun Hung, and Yang-Chang Wu,* 2008, "Bioactive Cembrane Diterpenoids of *Anisomeles indica*" *J. Nat. Prod.*, 71, 1207-1212. (SCI)
149. Yu-Lin Yang,* Shan-Yu Chang, Hsiang-Chun Teng, Yi-Shiuan Liu, Tao-Chen Lee, Lea-Yea Chuang, Jinn-Yuh Guh, **Fang-Rong Chang**, Tung-Nan Liao, Jau-Shyang Huang, Jeng-Hsien Yeh, Wen-Teng Chang, Min-Yuan Hung, Ching-Jen Wang, Tai-An Chiang, Chien-Ya Hung, Tsung-Jen Hung, 2008, "Safflower Extract: A Novel Renal Fibrosis Antagonist That Functions by Suppressing Autocrine TGF-Beta." *Journal of Cellular Biochemistry*, 104, 908-919. (SCI)
150. I-Hsiao Chen, Ying-Chi Du, Mei-Chin Lu, An-Shen Lin, Pei-Wen Hsieh, Chin-Chung Wu, Shu-Li Chen, Hsin-Fu Yen, **Fang-Rong Chang***, and Yang-Chang Wu* 2008, "Lupane-type Triterpenoids from *Microtropis fokienensis* and *Perrottetia arisanensis* and the Apoptotic Effect of 28-Hydroxy-3-oxo-lup-20(29)-en-30-al", *J. Nat. Prod.*, 71, 1352-1357. (SCI)
151. Chia-Lin Lee, Po-Ching Huang, Pei-Wen Hsieh, Tsong-Long Hwang, Chih-Chuang Liaw, **Fang-Rong Chang***, and Yang-Chang Wu,* 2008, "Chemical Constituents from *Xanthium strumarium* and (8S)-(-)-Xanthienopyran, a New Inhibitor of fMLP/CB induced Superoxide Anion Generation by Neutrophils" *Planta Medica*, 74, 1276-1279. (SCI)
152. Pei-Hsuan Chuang, Pei-Wen Hsieh, Yu-Liang Yang, Kuo-Feng Hua, **Fang-Rong Chang**, Jentaie Shiea, Shih-Hsiung Wu, Yang-Chang Wu*, 2008, "cyclopeptides with anti-inflammatory activities from the seeds of *Annona montana*." *J. Nat. Prod.*, 71, 1365-1370. (SCI)
153. Mei-Chin Lu, Ying-Chi Du, Jiunn-Jye Chuu, Shiuh-Lin Hwang, Pao-Chuan Hsieh, **Fang-Rong Chang*** and Yang-Chang Wu*, 2008, "The Active Extracts of Wild Fruiting Bodies of *Antrodia camphorata* (EEAC) – EEAC Induce Leukemia Cells Apoptosis partially through Histone Hypoacetylation and Synergistically Promote Anticancer Effect of Trichostatin A" , *Arch. of Toxicol.*, 83, 121-129.
154. Mei-Chin Lu, Shiuh-Lin Hwang, **Fang-Rong Chang** (Equal contribution to the first three authorships), Yung-Husan Chen, Chih-Sheng Hung, Chun- Li Wang, Yao-Hsiang Chu, Shu-Hua Pan, and Yang-Chang Wu*, 2009, "Immunostimulatory Effect of *Antrodia camphorata* Extract on Functional Maturation of Dendritic Cells" , *Food Chem.*, . 113, 1049–1057. (SCI)
155. Chia-Lin Lee, **Fang-Rong Chang**, Ming-Hon Yen, Donglei Yu, Yi-Nan Liu, Kenneth F. Bastow, Susan L. Morris-Natschke, Yang-Chang Wu* and Kuo-Hsiung Lee*, 2009, "Cytotoxic phenanthrenequinones and 9,10-dihydrophenanthrenes from *Calanthe arisanensis*", *J. Nat. Prod.* 72, 210-213. (SCI)
156. Chiao-Ting Yen, Pei-Wen Hsieh, Tsong-Long Hwang, Yu-Hsuan Lan, **Fang-Rong Chang**, and Yang-Chang Wu,* 2009 "Flavonol Glycosides from *Muehlenbeckia platyclada* and Their Anti-inflammatory Activity" , *Chem. Pharm. Bull.*, 57, 280-282. (SCI)
157. An-Shen Lin, Chia-Rong Lin, Ying-Chi Du, Tilo Lubken, Michael Y. Chiang, I-Hsiao Chen, Chin-ChungWu, Tsong-Long Hwang, Shu-Li Chen, Ming-Hong Yen, **Fang-Rong Chang***, Yang-ChangWu*, 2009, "Acasiane A-B and Farnesi rane A-B, Diterpenes Derivatives form the Roots of *Acacia farnesiana*", *Planta Medica.*, 75, 256-261. (SCI)
158. Nan Wu, Kuang Fu, Yu-Jie Fu*, Yuan-Gang Zu*, **Fang-Rong Chang** , Yung-Husan Chen, Xiao-Lei Liu, Yu Kong, Wei Liu, and Cheng-Bo Gu, 2009, "Antioxidant Activities of Extracts and Main Components of Pigeonpea [*Cajanus cajan* (L.) Millsp.] Leaves " *Molecules*, 14, 1032-1043. (SCI)
159. Yu-Yi Hou, Mu-Ling Wu, Yu-Chun Hwang, **Fang-Rong Chang**, Yang-Chang Wu,* and Chin-Chung Wu*, 2009, "The natural diterpenoid ovatodiolide induces cell cycle arrest and

- apoptosis in human oral squamous cell carcinoma Ca9-22 cells ”, *Life Sciences.*, in press. (SCI)
160. I-Hsiao Chen, Mei-Chin Lu, Ying-Chi Du, Ming-Hong Yen, Chin-Chung Wu, Yung-Husan Chen, Chih-Sheng Hung, Shu-Li Chen, **Fang-Rong Chang*** and Yang-Chang Wu*, 2009, “Cytotoxic Triterpenoids from the Stems of *Microtropis japonica*”, *J. Nat. Prod.* ASAP. (SCI)
 161. Ying-Chi Du, An-Shen Lin, Chin-Chung Wu, Pei-Wen Hsieh, Yung-Husan Chen, I-Hsiao Chen, Shu-Li Chen, Hsin-Fu Yen, Tilo Lübken, Fang-Rong Chang,* Yang-Chang Wu,* 2009, “ New Cytotoxic Lupane Triterpenes from *Perrottetia arisanensis* ”, *Planta Medica.* In press. (SCI)
 162. Yu-Hsuan Lan, **Fang-Rong Chang,*** Mei-Jung Pan, Chin-Chung Wu, Sue-Jing Wu, Su-Li Chen, Shyh-Shyan Wang, Ming-Jung Wu, Yang-Chang Wu,* 2009, “New Cytotoxic Withanolides from *Physalis peruviana*”, *Food Chemistry*, in press. (SCI)
 163. Chien-Chih Chiu, Hsueh-Wei Chang, Da-Wei Chuang, Fang-Rong Chang, Yu-Ching Chang, Yu-Shan Cheng, Ming-Tz Tsai, Wan-Yu Chen, Su-Shuo Lee, Chih-Kuang Wang, Jeff Yi-Fu Chen, Hui-Min Wang, Chao-Chieh Chen, Yin-Chang Liu,* Yang-Chang Wu,* 2009, “Fern plant-derived protoapigenone leads to DNA damage, apoptosis and G2/M arrest in lung cancer cell line H1299”, *DNA and Cell Biology*, in press.