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# 大會議程

Programs

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國防醫學院 (台北市民權東路6段161號)  
No. 161, Sec 6, Min-Chuan East Road, Taipei

中華民國臨床生化學會  
Chinese Association for Clinical Biochemistry

中華民國毒物學學會  
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台灣生物化學及分子生物學學會  
The Taiwan Society for Biochemistry and Molecular Biology

中華民國細胞及分子生物學學會  
The Chinese Society of Cell and Molecular Biology

## P648

Deep-sea water lowers blood sugar , restores myocardial function , and promotes the viability of diabetic rats .

林奕臻<sup>1\*</sup>, 黃志揚<sup>2</sup>, 郭薇雯<sup>1#</sup>

<sup>1</sup>中國醫藥大學生物科技所, <sup>2</sup>中國醫藥大學基礎醫學所

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## P649

Antibiotic-Induced Enteric Commensal Dysbiosis Favours Superbug Colonization and Bacterial Invasion in Mice

施怡安<sup>1\*</sup>, 吳莉玲<sup>1</sup>, 盧彥臻<sup>1</sup>, 郭瑋庭<sup>1</sup>, 陳馨<sup>1</sup>, 魏淑鈺<sup>3</sup>, 林洋鼎<sup>2</sup>, 蔡旻潔<sup>2</sup>, 倪衍玄<sup>2</sup>, 余佳慧<sup>1#</sup>

<sup>1</sup>國立台灣大學醫學院生理學研究所, <sup>2</sup>國立台灣大學附設醫院小兒科, <sup>3</sup>國立台灣大學附設醫院內科

injury

醫學大學

## P650

The Role of SNAREs in Adipokine Secretion in 3T3-L1 Adipocytes

林俞君<sup>1\*</sup>, 張佑慈<sup>2</sup>, 盧主欽<sup>1,2#</sup>

<sup>1</sup>長庚大學生物醫學研究所, <sup>2</sup>長庚大學生理暨藥理學科

## P651

Effects of Polysaccharides Fractions from Dendrobii Herb on the Immunomodulation and CT26 Cell-Implanted Balb/c Mice

范睿方<sup>1\*</sup>, 楊麗嬋<sup>2</sup>, 林文川<sup>2</sup>

<sup>1</sup>中國醫藥大學基礎醫學研究所, <sup>2</sup>中國醫藥大學藥理學科

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## P652

Acute ethanol intoxication aggravates septic shock -induced organ damage in rats

胡宗明<sup>1,4\*</sup>, 李崇仁<sup>5</sup>, 李茹萍<sup>2</sup>, 徐邦治<sup>3,6#</sup>

<sup>1</sup>慈濟大學醫學研究所, <sup>2</sup>慈濟大學護理系, <sup>3</sup>慈濟大學醫學系, <sup>4</sup>玉里榮民醫院精神科, <sup>5</sup>慈濟技術學院護理系, <sup>6</sup>花蓮慈濟醫院腎臟內科

## P653

Acute ethanol intoxication aggravates rhabdomyolysis induced acute renal failure in rats

胡宗明<sup>1,4\*</sup>, 怡懋·蘇米<sup>2</sup>, 李茹萍<sup>2</sup>, 徐邦治<sup>3,5#</sup>

<sup>1</sup>慈濟大學醫學研究所, <sup>2</sup>慈濟大學護理系, <sup>3</sup>慈濟大學醫學系, <sup>4</sup>花蓮玉里榮民醫院精神科, <sup>5</sup>花蓮慈濟醫院腎臟內科

論文編號：P651

Drug Discovery

**Effects of Polysaccharides Fractions from Dendrobii Herb on the Immunomodulation and CT26 Cell-Implanted Balb/c Mice**

范睿方<sup>1\*</sup>, 楊麗嬋<sup>2</sup>, 林文川<sup>2</sup>

<sup>1</sup>中國醫藥大學基礎醫學研究所, <sup>2</sup>中國醫藥大學藥理學科

**Ruei-Fang Fan<sup>1\*</sup>, Li-Chan Yang<sup>2</sup>, Wen-Chuan Lin<sup>2</sup>**

<sup>1</sup>Graduate Institute of Basic Medical Science, China Medical University, Taichung, Taiwan, <sup>2</sup>Department of Pharmacology, China Medical University, Taichung, Taiwan

Herba Dendrobii is a treasure Chinese medicine. Multiple bioactivities of Dendrobium such as prevention of cardiovascular disease, anti-cancer and extension of lifespan have been demonstrated. Among its anti-cancer activities has been meagerly studied. In this study, the water soluble polysaccharide (DPS) from Dendrobium was used in vitro and in vivo to exam it's immunomodulatory and anti-tumor activities. The results showed DPS could induce several cytokines in macrophages, including IL-6, IL-10, IFN- $\gamma$ , G-CSF and GM-CSF. Among these cytokines, the G-CSF is the most obvious biomarker. In anti-tumor study, BALB/c mice implanted with CT26 colon cancer cell. The CT26 bearing mice were separated into groups randomly and administrated with H<sub>2</sub>O and DPS (p.o.) with/without 5-FU treatment (25 mg/kg, i.p.) for 3 weeks. The oral administration treatment could reduce the tumor weight compared to H<sub>2</sub>O group. Under 5-FU treatment, DPS could enhance the level of complete blood count (CBC). In conclusion, DPS could stimulate the macrophages and induce the cytokines production. In tumor bearing mice, DPS could reduce the tumor weight and improve the level of WBC. The possible anti-tumor mechanism may through the immunomodulatory of DPS.

