

TOHOKU PHARMACEUTICAL UNIVERSITY
DEPARTMENT OF PHYSIOLOGY AND ANATOMY
UNIVERSITY OF CALABRIA
DEPARTMENT OF PHARMACOBIOLOGY
PhD ON PHARMACOLOGY AND BIOCHEMISTRY OF CELL DEATH

ANNOUNCEMENT

XI WORKSHOP ON APOPTOSIS IN BIOLOGY AND MEDICINE

Tohoku Pharmaceutical University

Sendai (Japan) 12th-15th September, 2008

UNDER THE AUSPICIES OF

THE ITALIAN SOCIETY OF PHARMACOLOGY

THE JAPANESE SOCIETY OF PHARMACOLOGY

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Giuseppe Nistico'

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Akihiko Yonezawa (Sendai, Japan)

LIST OF SPEAKERS

Lucio Annunziato (University of Naples, Italy)

Giacinto Bagetta (University of Calabria, Cosenza, Italy)

Giovanni Biggio (University of Cagliari, Italy)

Giambattista Bonanno (University of Genoa, Italy)

Gaetano Di Chiara (University of Cagliari, Italy)

Kohji Fukunaga (Tohoku University, Sendai, Japan)

Silvana Gaetani (University “La Sapienza”, Rome, Italy)

Shiro Kishioka (Wakayama Medical University, Wakayama, Japan)

Jin-ichi Inokuchi (Tohoku Pharmaceutical University, Sendai, Japan)

Kazuhide Inoue (Kyusyu University, Fukuoka, Japan)

Masabumi Minami (Hokkaido University, Sapporo, Japan)

Flavio Moroni (University of Florence, Italy)

Hajime Mushiake (Tohoku University, Sendai, Japan)

Minoru Narita (Hoshi University, Tokyo, Japan)

Lucia Negri (University “ La Sapienza”, Rome, Italy)

Robert Nisticò (University of Calabria, Cosenza, Italy)

Domenico Pellegrini-Giampietro (University of Florence, Italy)

Shinobu Sakurada (Tohoku Pharmaceutical University, Sendai, Japan)

Tsukasa Sakurada (Daiichi College of Pharmaceutical Sciences, Fukuoka, Japan)

Ichiro Sora (Tohoku University, School of Medicine, Sendai, Japan)

Pierfranco Spano (University of Brescia, Italy)

Tsutomu Suzuki (Hoshi University, Tokyo, Japan)

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Takumi Sato (Ohmiya)

Takeshi Tadano (Sendai)

Mitsuhiro Takeshita (Sendai)

LOCAL (Italian) EXECUTIVE SECRETARIAT

Mr. Nicola Fico

Department of Pharmacobiology

University of Calabria

Via Pietro Bucci

87036 Rende (Cosenza) Italy

Tel 39 0984 493248; Fax 39 0984 493462

Email: fico@unical.it

LOCAL (Japanese) EXECUTIVE SECRETARIAT

Dr. Chizuko Watanabe

Department of Physiology and Anatomy

Tohoku Pharmaceutical University

4-4-1 Komatsushima, Aoba-ku,

Sendai 981-8558, Japan

Tel/Fax: +81-22-727-0125

Email: w-chizu@tohoku-pharm.ac.jp

SCIENTIFIC PROGRAMME

Friday 12th September

17.00 Welcome address

17.30 Invited Opening Lecture

Lucia Negri (University “La Sapienza”, Rome, Italy)

Bv8/Prokineticins and their receptors: A new pronociceptive system

18.15 Invited Opening Lecture

Tsukasa Sakurada (Daiichi College of Pharmaceutical Sciences, Fukuoka, Japan)

Allodynia in mice evoked by intrathecal morphine-3-glucuronide

Saturday 13th September

9.00-17.30 NEW PHARMACOLOGICAL APPROACHES TO THE DISCOVERY OF NEUROTHERAPEUTICS

9.00-9.30 Gaetano Di Chiara (University of Cagliari, Italy)

Neurobiological substrates of drug addiction

9.30-10.00 Tsutomu Suzuki (Hoshi University, Tokyo, Japan)

Modification of rewarding effect of opioids under a chronic pain-like state

10.00-10.30 Minoru Narita (Hoshi University, Tokyo, Japan)

Cell-cell interaction in the brain network: can chronic pain and drug abuse change the neuron-glia network?

10.30-11.00 Coffee Break

11.00-11.30 Shiro Kishioka (Wakayama Medical University, Wakayama, Japan)

The activation of peroxisome proliferator-activated receptor gamma (PPAR γ) suppresses the neuropathic pain due to partial sciatic nerve ligation in mice

11.30-12.00 Shinobu Sakurada (Tohoku Pharmaceutical University, Sendai, Japan)

Gene-based therapeutic aspects of synthesized opioid peptides against neuropathic pain

12.00-12.30 Marina Pizzi (University of Brescia, Italy)

In search of factors affecting synaptic plasticity and neuronal vulnerability

12.30-13.00 General Discussion

13.00-15.00 Lunch Break and Poster Viewing

15.15-30 Kohji Fukunaga (Tohoku University, Sendai, Japan)

Roles of Akt and ERK signalings in the neuroprotection and neurogenesis following brain ischemia

15.30-16.00 Giacinto Bagetta (University of Calabria, Cosenza, Italy)

Identification of novel pharmacological targets to minimize excitotoxic retinal damage

16.00-16.30 Domenico Pellegrini-Giampietro (University of Florence, Italy)

Interactions between metabotropic glutamate receptors and endocannabinoids in post-ischemic neuronal death

16.30-17.00 Flavio Moroni (University of Florence, Italy)

Poly(ADP-ribosyl)transferases and stroke

17.00-17.30 General Discussion

Sunday 14th September

9.00-17.30 PHARMACOLOGY OF NEURONAL PLASTICITY AND PAIN

9.00-9.30 Hajime Mushiake (Tohoku University, Sendai, Japan)

Involvement of the prefrontal cortex in goal-oriented action planning from the viewpoint of problem solving

9.30-10.00 Lucio Annunziato (University of Naples, Italy)

Molecular Pharmacology of the Na⁺/Ca²⁺ Exchanger: Regulation at Protein, Transductional and Transcriptional level

10.00-10.30 Robert Nisticò (University of Calabria, Cosenza, Italy)

Kainate and mGlu receptors are involved in synaptic plasticity at hippocampal mossy fibre synapses

10.30-11.00 Coffee Break

11.00-11.30 Giambattista Bonanno (University of Genoa, Italy)

Adult astroglia is competent for exocytotic glutamate release triggered by depolarization

11.30-12.00 Kazuhide Inoue (Kyusyu University, Fukuoka, Japan)

P2Y6-evoked microglial phagocytosis

12.00-12.30 Jin-ichi Inokuchi (Tohoku Pharmaceutical University, Sendai, Japan)

Deafness in ganglioside GM3 synthase deficiency

12.30-13.00 General Discussion

13.00-15.00 Lunch Break and Poster Viewing

15.00-15.30 Masabumi Minami (Hokkaido University, Sapporo, Japan)

Role of the bed nucleus of the stria terminalis in pain-induced aversion

15.30-16.00 Giovanni Biggio (University of Cagliari, Italy)

Chronic Stress, Neurosteroids and GABAAR function and plasticity

16.00-16.30 Ichiro Sora (Tohoku University, School of Medicine, Sendai, Japan)

Monoamine transporter as a target molecule for psychostimulants

16.30-17.00 Silvana Gaetani (University "La Sapienza", Rome, Italy)

The endocannabinoid system as a target for novel anxiolytic and antidepressant drugs

17.00-17.30 General Discussion

Monday 15th September

9.30-12.30 Conclusion Remarks and Closure of the Workshop