

Day 1, Sunday, Sep 27th 2015

14:00 - 16:30pm

IFSI Board meeting

16:50 - 17:00pm

Opening of the WCI: Ichiro Katayama

17:00 - 17:15pm

Opening: Jacek C. Szepietowski, president of IFSI

The International Forum for the Study of Itch (IFSI): A successful society celebrating its 10-year anniversary

17:15 - 19:00 pm

Plenary Session,

Chairpersons: Yasushi Kuraishi, Japan, Ichiro Katayama, Japan, Jacek C. Szepietowski, Poland

Bernard Lecture: Sonja Ständer, Germany: Lessons from the Clinic: The “ice pack sign” and more

Kuraishi Lecture: Kenji Takamori, Japan: Message from nerve fibers: Involvement of nerve fibers in intractable itch in atopic dermatitis

President-invited lecture: Ryusuke Kakigi, Japan: Itch perception in humans

19:00 - 19:15pm

Noh Play (Japanese traditional dance)

19:30 - 21:30pm

Welcome Reception at the Venue

Day 2, Monday, Sep 28th 2015

8:30 - 9:00 am

Morning Seminar 1 sponsored by Novartis Pharma K.K.

Chairperson: Kazuhiko Yanai, Japan

Katsunori Yamaura, Japan: Long-term topical steroid therapy can be a probable cause for pruritus

9:05 - 10:45am

Neuronal processing of itch, Plenary Session

Chairpersons: Hermann Handwerker, Germany and Martin Steinhoff, Ireland

09:05 – 09:25 Yi-Hung Chen, Taiwan: Phoenixin: a candidate pruritogen in the mouse model

09:25 – 09:45 Leigh Nattkamper, USA: RNA-sequencing reveals a unique fingerprint of chronic itch mediators and receptors in human and primates

09:45 – 10:05 Martin Schmelz, Germany: Neuropathic itch

10:05 – 10:25 Martin Steinhoff, Ireland: Cytokines and Endothelin-1 contribute to Histamine-independent pruritus in humans

10:25 – 10:45 Makoto Tsuda, Japan: Dorsal horn astrocytes: a new player in chronic itch

10:45 - 11:15am

~~~ **Coffee break** ~~~

## **Concurrent I:**

11:15am -12:15pm

### **The SIGs (Special Interest Groups) of IFSI**

*Chairpersons: Elke Weisshaar, Germany and Jacek C. Szepietowski, Poland*

11:15 – 11:40 Laurent Misery, France: SIG Sensitive skin

11:40 – 11:50 Elke Weisshaar, Germany: SIG Paraneoplastic itch

11:50 – 12:00 Elke Weisshaar, Germany: SIG Questionnaires

12:00 – 12:15 Thomas Mettang, Germany: SIG Uremic itch

## **Concurrent II:**

11:15am -12:15pm

### **Inflammation**

*Chairpersons: Zhou-Feng Chen, USA and Naoki Inagaki, Japan*

11:15 – 11:25 Zhou-Feng Chen, USA: Distinct roles of neuropeptides in pruriceptive processing the spinal cord

11:25 – 11:35 Tetsuo Shiohara, Japan: The physiological role of IgE and scratching in negatively regulating innate immune response

11:35 – 11:45 Makikko Kido-Nakahara, Japan: Mutual upregulation of endothelin-1 and IL-25 in atopic dermatitis

11:45 – 11:55 Kyoko Shimizu, Japan: Alpha-melanocyte-stimulating hormone induces itching in mice: involvement of the histamine released from epidermal keratinocyte

11:55 – 12:05 Tsugunobu Andoh, Japan: Involvement of basophils in spontaneous itch-related responses in mice with atopy-like dermatitis.

12:05-12:15 Tina Marie Lieu, Australia: A visceral representation of itch: Identification of itch specific pruritogenic mechanisms within colonic sensory pathways.

12.25-13:15

**Luncheon Seminar 1 sponsored by Kyowa Hakko Kirin Co., Ltd.**

*Chairperson: Naoki Inagaki, Japan and Ryusuke Kakigi, Japan*

“Get to the bottom of mechanism of itch”

Masanori Fujii, Japan: Scratching behavior induced by centrally acting substances in atopic dermatitis model mice: A clue to understanding supraspinal itch mechanism in atopic dermatitis

Yozo Ishiui, Japan: Itch and the brain

13:25 - 14:55pm

**New anti-pruritic therapy (Plenary Session)**

*Chairpersons: Masataka Furue, Japan and Alan Fleischer, USA*

13:25 – 13:40 Adam Reich, Poland: Antihistamines in the treatment of psoriatic pruritus? A double-blind placebo controlled pilot study.

13:40 – 13:55 Elena Kornyeveva, USA: To report efficacy results from an 8-week phase 2 study treating adolescents and adults with mild to moderate atopic dermatitis treated with 0.3% and 1% OPA-15406 ointment

13:55 – 14:10 Kathie M Bishop, USA Development of asimadoline, a selective kappa opioid receptor agonist for the treatment of pruritus.

14:10 – 14:25 Sonja Ständer, Germany: An investigational study of tradipitant for the treatment of chronic pruritus in patients with atopic dermatitis

14:25-14:40 Ahmet Dogrul, Turkey: 5-HT<sub>7</sub> receptors: A novel therapeutic target for the treatment of pruritus.

14:40-14:55 Andrea WM Evers, Netherlands: Use of placebo effects for innovative treatment strategies in itch

15:00 - 16:00pm

~~~ Coffee Break & Poster Discussion~~~

16:00 - 17:00pm

Concurrent I

Methodology for itch research,

Chairpersons: Andrea Evers, Netherlands and Jörg Kupfer, Germany

16:00 – 16:10 Antoinette van Laarhoven, Netherlands: Psychophysiological processing of itch in patients with persistent post-burn itch.

16:10 – 16:25 Jörg Kupfer, Germany: Comparison of three itch inducing methods: Differences in intensity, emotional appraisal, localization and quality of evoked itch

16:25 – 16:40 Suephey Chen, USA: Measuring pediatric pruritus: Can providers or parents be proxies?

16:40 – 16:50 Karolina Medrek, Poland: Patient Benefit Index: Pruritus (PBI-P) is a highly valuable tool for the assessment of antipruritic treatment efficacy

16:50 – 17:00 Kalina Welz-Kubiak, Poland: Expression of interleukin 31 in lesional skin of lichen planus has no influence on pruritus

16:00 - 17:00pm

Concurrent II

Animal models of itch

Chairpersons: Earl Carstens, USA and Hitoshi Matsuda, Japan

16:00 - 16:15 Masanori Fujii, Japan: A new mouse model of atopic dermatitis characterized by severe and chronic itch.

16:15 - 16:30 Kei Torigoe, Japan: Intrathecal minocycline attenuates itch in atopic dermatitis mouse model

16:30-16:45 Tasuku Akiyama, Japan: Mouse model of psoriatic itch

16:45-17:00 Hiroyuki Murota, Japan: Heat-provoked itch in atopic dermatitis: the possible role of artemin in central nervous sensitization to warmth

17:05 - 18:05pm

SIG “Scoring itch in clinical trials”

Chairpersons: Sonja Ständer, Germany and Jacek C. Szepietowski, Poland

17:05 - 17:15 Matthias Augustin, Christine Blome, Germany: Results of a systematic review

17:15 - 17:25 Adam Reich, Poland: Cut-off of the visual analogue scale (VAS) and numeric rating scale (NRS) in pruritus assessment

17:25 - 17:35 Suephy Chen, USA: Validating the ItchyQuant: A self-report itch severity scale

17:35 - 17:45 Claudia Zeidler, Germany: The ePRO application ItchApp© provides reliable documentation of itch in clinical trials

17:45 - 17:55 Sonja Ständer, Germany: European EADV network on assessment of severity and burden of pruritus (PruNet)

17:55 - 18:05 Toshiya Ebata, Japan: Validation of the Japanese version of 5D Itch scale in adult patients with atopic dermatitis

18:05 - 19:05 pm

General Assembly (including a message from Acta)

19:15 - 19:30pm

IFSI Board meeting

20:30 - 22:30pm

Banquet Dinner at Nara Hotel

Day 3, Tuesday, Sep 29th 2015

8:30 - 9:00 am

Morning Seminar 2 sponsored by USHIO INC.

Chairperson: Ichiro Katayama, Japan

Kenji Takamori, Japan: New therapeutic tool for itch: usefulness of excimer lamp in the treatment of intractable itch in atopic dermatitis

9:05 - 10:55am

Itch clinic, Plenary Session

Chairpersons: Kenji Takamori, Japan and Laurent Misery, France

9:05–9:25 Alan Fleischer, USA: An evidence-based review of systemic treatments for itch

9:25 – 9:40 Jacek C Szepietowski, Poland: Itch as an important clinical symptom of psoriasis

9:40–9:55 Hong Lian Tey, Singapore: Topical calcineurin inhibitors in endogenous eczema and cancer association: a cohort study

9:55–10:10 Kinan Hayani, Germany: The German Epidemiological Hemodialysis Itch study (GEHIS): nephrological and laboratory parameters do not explain chronic itch but diuretic use may do

10:10–10:25 Hashimoto Takashi, Japan: Generalized pruritus provoked by lysophosphatidic acid-induced histamine in a patient with primary sclerosing cholangitis

10:25-10:40 Andreas Kremer, Germany: LPA induces itch and pain in humans depending on the mode of application

10:40-10:55 Emilie Brenaud, France: Pruritus: An under recognized symptom of small-fiber neuropathies

10:55 - 11:15am

~~~ **Coffee break**~~~

11:15am - 12:15pm

### **Concurrent I**

#### **Epidemiology of itch and patients' perspectives**

*Chairpersons: Toshiya Ebata, Japan and Thomas Mettang, Germany*

11:15 – 11:30 Jusyna Szeceh, Poland: Prevalence and relevance of pruritus in pregnancy

11:30-11:45 Edward F Schnipper, USA: Itch intensity and underlying cause of itch reported by community dermatologists in the United States

11:45-12:00 Kinan Hayani, Germany: Chronic itch in hemodialysis patients: cutaneous manifestations and provision of care according to GEHIS (German Epidemiological Hemodialysis Itch study)

12:00-12:15 Toshiya Ebata, Japan: Changes in uremic pruritus incidence and severity over six years in a hemodialysis clinic

11:15am - 12:15pm

## **Concurrent II**

### **New receptors of itch**

*Chairpersons: Ethan Lerner, USA and Xinzhong Dong, USA*

11:15 – 11:25 Takeshi, Morita, Japan: HTR7 mediates serotonergic acute and chronic itch

11:25–11:40 Hiroki Kittaka, Japan: Cellular and molecular signaling of lysophosphatidic acid-induced itch sensation.

11:40–11:50 Kilian Lherondelle, France: Are keratinocytes and some itch mediators involved in the neuropeptide release induced by pacific-ciguatoxin-2 in a sensory neuro-keratinocyte coculture model?

11:50–12:05 Ethan Lerner, USA: Substance P activates Mrgprs to provoke itch

12:05–12:15 Aleksandra Wieczorek, Poland: Expression of opioid receptors in the skin of patients with uremic pruritus.

12:25 - 13:15pm

## **Luncheon Seminar 2 sponsored by Mitsubishi Tanabe Pharma Corporation**

*Chairpersons: Tetsuo Shiohara, Japan and Hiroyuki Murota, Japan*

“Itch: More than skin deep”

Daisuke Uta, Japan: Evaluation of itch by in vivo patch clamp method.

Masutaka Furue, Japan: New therapies for controlling atopic itch

13:25 - 14:25pm

## **Concurrent I**

### **Prurigo and other pruritic diseases**

*Chairpersons: Takahiro Sato, Japan and Sonja Ständer, Germany*

13:25 – 13:40 Claudia Zeidler, Germany: Prurigo nodularis: Update on clinics and treatment

13:40 – 13:55 Kazumoto, Katagiri, Japan: Aspirin and loxoprofen relieved pruritus in a patient with prurigo nodularis

13:55 – 14:05 Hong Liang Tey, Singapore: Pathophysiology of pruritus in primary localized cutaneous amyloidosis

14:05 – 14:15 Indrashis Podder, India: A prospective longitudinal study to compare the prevalence of pain and itch following Herpes Zoster infection at a tertiary care centre, Eastern India with special emphasis on the DLQI of patients

14:15 – 14:25 Kazuki Tatsuno, Japan: Direct TSLP-T cell interaction in atopic dermatitis

13:25 - 14:25pm

## **Concurrent II**

### **Neuron processing**

*Chairpersons: Martin Schmelz, Germany and Matthias Ringkamp, USA*

13:25 – 13:40 YanGang Sun, China: Parabrachial nucleus mediates itch-induced scratching behavior

13:40 – 13:55 Junichi Hachisuka, Japan: A spinal microcircuit that mediates the inhibition of itch by counter-stimuli.

13:55 – 14:10 Junichi Yagi, Japan In vivo whole-cell patch-clamp analysis of DRG neuronal excitation and suppression by chloroquine in adult rats

14:10-14.25 Matthias Ringkamp, USA: Peripheral neuronal mechanisms of itch in primate

14:30 - 15:30pm

~~~ **Coffee Break & Poster Discussion** ~~~

15:40 - 16:40pm

Concurrent I

Mental itch and quality of life

Chairpersons: Florence Dalgard, Norway and Makoto Hashiro, Japan

15:40-15:55 Si Bobko, Russia: Psychogenic itch: aspects of clinical systematics, complex therapy and prophylaxis

15:55-16:10 Suephy Chen, USA: Decreased quality of life in patients with mood disturbance and chronic itch

16:10-16:20 Jacek C. Szepietowski, Poland: Is uremic itch still an important clinical problem in maintenance hemodialysis patients?

16:20-16:30 Elke Weisshaar, Germany: Chronic itch in hemodialysis patients: pain is an additional burden reducing health-related quality of life (HRQOL)

16:30-16:40 Suephy Chen, USA: Racial disparities in pruritus quality of life and resource utilization

15:40 - 16:40pm

Concurrent II

Brain imaging

Chairpersons: Ryusuke Kakigi, Japan and Gil Yosipovitch, USA

15:40 – 15:55 Herrmann Handwerker, Germany: Are there different cerebral networks for itch and burning induced by irritant substances?

15:55 – 16:10 Keiko Takanami, Japan: Effective ultrastructure neuroimaging of itch

16:10 – 16:25 Christina Schut, Germany: Brain processing of contagious itch in patients with atopic dermatitis and healthy controls

16:25 – 16:40 Sarina B Elmariah, USA: In vivo imaging reveals that neural recruitment precedes the inflammatory infiltrate in a mouse model of atopic dermatitis

16:50 - 17:30pm

Future perspective, Plenary Session

Chairpersons: Earl Carstens, USA and Elke Weisshaar, Germany

16:50-17:10 Earl Carstens, USA: Future perspectives in basic research of itch

17:10-17:30 Gil Yosipovitch, USA: Future perspectives in treatment of itch

17:30pm

Closing: Ichiro Katayama