programme

Sunday, October 15, 2017

Novotel Wrocław Centrum
7 Powstańców Śląskich Street, Wroclaw

10:00AM-5:00PM REGISTRATION

1:00-4:00 PM IFSI BOARD MEETING [RZYM ROOM]

Oratorium Marianum, Uniwersity of Wrocław Museum
Pl. Uniwersytecki 1, Wrocław

5:00-5:20 PM OPENING CEREMONY

5:00-5:10 PM Opening remarks
Jacek C. Szepietowski (Poland)

5:10-5:20 PM Opening remarks *IFSI: A successful society for the future*
Earl Carstens (USA)

5:20-7:00 PM PLENARY SESSION

CHAIRS: **Earl Carstens** (USA); **Elke Weisshaar** (Germany)

5:20-5:50 PM Bernhard Lecture *Itchy dermatoses in the collection of Wroclaw moulages*
Jacek C. Szepietowski (Poland)

5:50-6:20 PM Kuraishi Lecture *Specificity or pattern: implications for clinical itch*
Martin Schmelz (Germany)

6:20-6:50 PM Neisser Lecture *Itch and psyche*
Mohammad Jafferany (USA)

WELCOME RECEPTION IN CORRIDOR Ist FLOOR OVER THE ORATORIUM MARIANUM

Monday, October 16, 2017

Hotel Novotel Wrocław Centrum
7 Powstańców Śląskich Street, Wrocław

8:30-9:00 AM MORNING SESSION [WARSZAWA ROOM]

Hot off the bench: Latest news by young investigators

CHAIRS: **Herrmann Handwerker** (Germany); **Adam Reich** (Poland)

8:30-8:40 AM *The regulation of pruritus in psoriasis and atopic dermatitis-a possible role for CD26/DPPIV*
Eriko Komiya-Suyama (Japan), **Ryo Hatano**, **Haruna Otsuka**, **Takumi Itoh**, **Hiroto Yamazaki**, **Yasushi Suga**, **Utako Kimura**, **Taketo Yamada**, **Mitsutoshi Tominaga**, **Kenji Takamori**, **Kei Ohnuma**, **Chikao Morimoto**

8:40-8:50 AM *Chronic itch in hemodialysis patients: A follow-up study of GEHIS (German Epidemiological Hemodialysis-Itch Study)*
Natalie Plewig (Germany), **Robert Ofenloch**, **Thomas Mettang**, **Elke Weisshaar**

8:50-9:00 AM *Attentional bias to itch-related images in a clinical itch population*
Michellie Young (UK), **Melanie Burke**, **Donna Lloyd**

9:05-10:30 AM PLENARY SESSION [WARSZAWA ROOM]

Neurobiology of Itch

CHAIRS: **Bob Lamotte** (USA); **Martin Steinhoff** (Ireland)

9:05-09:25 AM *Effects of pruritogens and algogens on rostral ventromedial medullary (RVM) ON and OFF cells*
T. Follansbee, **Iodi Carstens** (USA), **Earl Carstens**, **T. Akiyama**, **M. Fujii**, **A. Davoodi**, **M. Nagamine**

9:25-09:45 AM *How scratching can take its "Toll" on itch, new insights into innate immune mechanisms of peripheral itch sensitisation*
Ian McDonald (Ireland), **Attila Szöllősi**, **Imre Szabó Lőrinc**, **Martin Steinhoff**

9:45-10:00 AM *Preferential activation of subtypes of polymodal nociceptive C-fibers in pigtail monkey following intradermal injection of β-alanine and bovine medullary protein 8-22*
Amanda H Klein, **Timothy V Hartke**, **Matthew Wooten**, **Gang Wu**, **Matthias Ringkamp** (USA)

Imagination is more important than knowledge.

Albert Einstein

10:00-10:15 AM *Itch as a basic constituent of somatosensation: Evidence for multi-modal capacity of primary C-afferents*
Behrang Sharif (Canada), **Ariel Ase**, **Alfredo Ribeiro da Silva**, **Philippe Séguéla**

10:15-10:30 AM *Sulfated CCK8 induces alloknesis via spinal CCK2 receptor in mice*
Mitsutoshi Tominaga (Japan), **Fumiya Kusube**, **Kotaro Honda**, **Nobuaki Takahashi**, **Hisashi Naito**, **Fumiyuki Yamakura**, **Yasushi Suga**, **Yasuhiro Tomooka**, **Kenji Takamori**

11:00 AM-12:30 PM CONCURRENT I [WARSZAWA ROOM]
Special Interest Groups (SIGs)

CHAIRS: **Thomas Mettang** (Germany); **Jacek C. Szepietowski** (Poland)

11:00 -11:15 AM *SIG Sensitive Skin*
Laurent Misery (France), **Sonja Ständer**, **Jacek C. Szepietowski**, **Adam Reich**, **Joanna Wallengren**, **Andrea W.M. Evers**, **Kenji Takamori**, **Emilie Brenaut**, **Christelle Le Gal-Ianotto**, **Joachim Fluhr**, **Enzo Berardesca**, **Elke Weisshaar**

11:15 -11:30 AM *SIG Scoring itch in clinical trials*
Sonja Ständer (Germany), **Matthias Augustin**, **Jacek C. Szepietowski**

11:30 -11:45 AM *SIG Questionnaires*
Elke Weisshaar (Germany), **Jörg Kupfer**, **Antoinette van Laarhoven**, **Uwe Gieler**, **Masutaka Furue**, **Hidehisa Saeki**, **Andrea Evers**, **Gil Yosipovitch**

11:45 AM-12:00 PM *SIG Paraneoplastic itch*
Elke Weisshaar (Germany), **Thomas Mettang**, **Sonja Ständer**, **Frank Brennan**, **Hong Liang Tey**, **Gil Yosipovitch**

12:00 -12:15 PM *SIG Uremic itch*
Thomas Mettang (Germany), **Jacek C. Szepietowski**, **Laurent Misery**, **Elke Weisshaar**

12:15 -12:30 PM DISCUSSION

11:00 AM-12:30 PM CONCURRENT II [BERLIN ROOM]

Skin, inflammation and itch

CHAIRS: **Brian Kim** (USA); **Laurent Misery** (France)

11:00-11:15 AM *New insights into the pathophysiology of itch during ciguatera fish poisoning*
Killian L'Herondelle (France), **Laurent Misery**, **Christelle Le Gall-Ianotto**, **Réginald Philippe**, **Matthieu Talagas**, **Olivier Mignen**, **Richard Lewis**, **Raphaele Le Garrec**

11:15 -11:30 AM *Intra- and extra-lesional sensitization for non-histaminergic and mechanically-evoked itch in atopic dermatitis*
Hjalte Holm Andersen (Denmark), **Jesper Elberling**, **Henrik Sølvsten**, **Gil Yosipovitch**, **Lars Arendt-Nielsen**



Never fear shadows, for shadows only mean there is a light shining somewhere near by.

Oscar Wild

11:30 -11:45 AM *Attenuated activation of endogenous glucocorticoids in keratinocytes induces alloknesis in atopic dermatitis via aberrant artemin production*
Akira Matsumoto (Japan), **Hiroyuki Murota**, **Mika Terao**, **Ichiro Katayama**

11:45 AM -12:00 PM *Neutrophil-somatosensory neuron crosstalk drives acute and chronic itch*
Carolyn Walsh (USA), **Jamie Schwendinger-Schreck**, **Jacques Deguine**, **Emily Brock**, **Rose Hill**, **Jessica Wei**, **Natalie Kelava Kucirek**, **Karsten Gronert**, **Greg Barton**, **Diana Bautista**

12:00 -12:15 PM *Cutaneous 4-1BB/4-1BBL signaling induces severe skin inflammation and chronic itch*
Stefan Tran, **Verena Kupas**, **Kristian Holz**, **Marcus Maurer**, **Thomas A. Luger**, **Sonja Ständer**, **Karin Loser** (Germany)

12:15 -12:30 PM *Sema3A expression is regulated by calcium/PKC/MAPK/AP-1 signaling axis in normal human epidermal keratinocytes*
Yayoi Kamata (Japan), **Yoshie Umehara**, **Azumi Sakaguchi**, **Yasushi Suga**, **Mitsutoshi Tominaga**, **Kenji Takamori**

12:30-2:00 PM **LUNCH AND POSTER VIEWING I** **[RESTAURANT NOVOTEL AND LONDYN ROOM]**

CHAIRS: **Elke Weisshaar** (Germany), **Gil Yosipovitch** (USA)

2:00-3:30 PM **PLENARY SESSION** **[WARSZAWA ROOM]**
New antipruritic treatments

CHAIRS: **Sonja Ständer** (Germany); **Alan Fleischer** (USA)

2:00-2:15 PM *Randomized, double-blind, placebo-controlled phase 2 clinical trial of serlopitant effects on multiple measures of pruritus in patients with prurigo nodularis*
Sonja Ständer (Germany), **Paul Kwon**, **Thomas A. Luger**

2:15-2:30 PM *Serlopitant for treatment of chronic pruritus: results of a randomized, multicenter, double-blind, placebo-controlled phase 2 clinical trial*
Gil Yospovitch (USA), **Sonja Ständer**, **Matthew B. Kerby**, **James W. Larrick**, **Andrew J. Perlman**, **Edward F. Schnipper**, **Xiaoming Zhang**, **Jean Y. Tang**, **Thomas A. Luger**, **Martin Steinhoff**

2:30-2:45 PM *Recovery of peptidergic epidermal nerve fiber density by tofacitinib in a mouse model of atopic dermatitis*
Kristen Sanders (USA), **Kento Sakai**, **Gil Yosipovitch**, **Tasuku Akiyama**

2:45-3:00 PM *Crisaborole ointment provides early relief of pruritus in two phase 3 clinical trials in patients with mild or moderate atopic dermatitis*
Emma Guttman-Yasky, Gil Yosipovitch (USA), **Dedee Murrell, Jon Hanifin**

3:00-3:10 PM *New insights into the anti-pruritic activity of the neurokinin-1 antagonist aprepitant: partial activation of EGFR signaling in human keratinocytes as a mechanism for reducing erlotinib induced-pruritus*
Shawn Kwatra (USA), **Cory Nanni, Yevgeniy Semenov, Callie Roberts, Madison Krischak, Madan Kwatra**

3:10-3:20 PM *Efficacy of systemic treatments of psoriasis on pruritus: A systemic literature review and meta-analysis*
Emilie Brenaut (France), **Chloé Théréné, Thomas Barnetsche, Laurent Misery**

3:20-3:30 PM *Randomized, double-blind, placebo-controlled study of monoclonal anti-IgE antibody omalizumab in the management of pruritus in chronic spontaneous urticaria in the pediatric population*
Barnali Mitra, Biju Vasudevan, Reema Solanki, Debdeep Mitra

4.00-5.30 PM CONCURRENT I [WARSZAWA ROOM]

Methods in itch research (clinical)

CHAIRS: **Andrea Evers** (The Netherlands); **Jörg Kupfer** (Germany)

4.00-4.20 PM *How to alter placebo and nocebo effects in patients with chronic itch?*
Andrea Evers (The Netherlands)

4.20-4.40 PM *Methods in itch research: Arguments to improve standardization of research methods*
Joerg Kupfer (Germany), **Uwe Gieler, Stephanie Kiupel, Christina Schut**

4.40-4.55 PM *Measuring pediatric itch severity: does personal experience with chronic pruritus influence parent's ability to be proxies?*
Grace Lee, Sandy François, Shelby Smith, Caitlin Haydek, James Roberts, Kuang-Ho Chen, Suephy Chen (USA)

4.55-5.10 PM *Validation of the peak pruritus Numerical Rating Scale: results from clinical studies of dupilumab in adult patients with moderate-to-severe atopic dermatitis*
Gil Yosipovitch (USA), **Matthew Reaney, Laurent Eckert, Lauren Nelson, Marci Clark, Marius Ardeleanu, Allen Radin, Abhijit Gadkari**

Be brave. Take risks.
Nothing can substitute experience.

Paulo Coelho

5.10-5.20 PM *12-Item Pruritus Severity Scale: development and validation of new itch severity questionnaire*
Adam Reich (Poland), **Agnieszka Bożek**, **Katarzyna Janiszewska**, **Jacek C. Szepietowski**

5.20-5.30 PM *Clinical bandings of Patient-Oriented Eczema Measure (POEM) scores among Japanese atopic dermatitis patients*
Makiko Kido-Nakahara (Japan), **Yumi Yasukochi**, **Takeshi Nakahara**, **Rie Kuroki**, **Tetsuya Koga**, **Toshihiko Mashino**, **Yuichi Kurihara**, **Masutaka Furue**

4.00-5.20 PM CONCURRENT II [BERLIN ROOM]
Methods in itch research (experimental)

CHAIRS: **Glenn Giesler** (USA); **Roman Rukwied** (Germany)

4.00-4.15 PM *Methods in experimental itch research – an introduction*
Roman Rukwied (Germany)

4.15-4.30 PM *Re-innervated human skin explant as a model for in vitro studies on pruritus*
Nicolas Lebonvallet (France), **Christelle Le Gall-Ianotto**, **Cecilia Brun**, **Thierry Oddos**, **Laurent Misery**

4.30-4.45 PM *Pharmacological and histochemical characterization of a mouse model of chronic renal failure-associated pruritus*
Tsugunobu Andoh (Japan), **Shikai Li**, **Takahito Maki**, **Daisuke Uta**, **Yasushi Kuraishi**

4.45-5.00 PM *Depressive behavior manifested in NC/Tnd mice suffering from atopic dermatitis*
Kenshiro Matsuda (Japan), **Shuichi Yanai**, **Shogo Endo**, **Akane Tanaka**, **Hiroshi Matsuda**

5.00-5.20 PM *Sensory neurons co-opt classical immune signaling pathways to mediate chronic itch*
Brian S.Kim (USA)

5:30-6:30 PM GENERAL ASSEMBLY MEETING [WARSZAWA ROOM]

6:30-7:00 PM IFSI BOARD MEETING [RZYM ROOM]

8:00 PM GALA DINNER
Castle Topacz, Ślęża 12 Główna Street, Kobierzyce

7:15 PM Departure from Novotel Wrocław Centrum to Zamek Topacz

Badges should be worn during scientific an social events.
You can be asked to show your badge for the entrance to the Gala Dinner, Castle Topacz.



The important thing is not to stop questioning.

Albert Einstein

Tuesday, October 17, 2017

Hotel Novotel Wrocław Centrum
7 Powstańców Śląskich Street, Wrocław

8:30-9:00 AM MORNING SESSION [WARSZAWA ROOM]

Hot off the bench: Latest news by young investigators

CHAIRS: **Toshi Ebata** (Japan); **Andreas Kremer** (Germany)

8:30-8:40 AM *Reversing nocebo effects on itch by conditioning with verbal suggestion*
Danielle Bartels (The Netherlands), **Antoinette van Laarhoven**, **Michiel Stroo**, **Kim Hijne Leiden University**, **Kaya Peerdeman**, **Rogier Donders**, **Peter van de Kerkhof**, **Andrea Evers**

8:40-8:50 AM *Amelioration of atopic-itch sensation in NC/Tnd mice by beta-pinene, the major component contained in distilled Alpinia intermedia Gagnep extracts*
Yosuke Amagai (Japan), **Tetsuyoshi Hamasaki**, **Yoshihiro Nomura**, **Hiroshi Matsuda**, **Akane Tanaka**

8:50-9:00 AM *Prolonged antipruritic effect of botulinum toxin type A on cowhage-induced itch*
Leigh Nattkemper (USA)

9:05-10:30 AM PLENARY SESSION [WARSZAWA ROOM]

The wide range of clinical presentations of itch

CHAIRS: **Kenji Takamori** (Japan); **Gil Yosipovitch** (USA)

9:05-9:20 AM *An overview of treatment for opioid-induced itch*
Kenji Takamori (Japan), **Nobuaki Takahashi**, **Mitsutoshi Tominaga**

9:20-9:35 AM *Pruritus in patients with kidney transplants*
Thomas Mettang (Germany), **Elke Weisshaar**, **Jörg Kupfer**

9:35-9:50 AM *Urticaria and itch*
Tabi Leslie (UK)

9:50-10:00 AM *Essential thrombocythemia with aquagenic pruritus: an entity with more agressive clinical and biological profile at the diagnosis and a high morbidity during the follow-up*
Christelle Le Gall-Ianotto (France), **Ronan Le Calloch**, **Aurélie Chauveau**, **Eric Lippert**, **Laurent Misery**, **Jean-Christophe Ianotto**

10:00-10:10 AM *Prevalence and clinical characteristics of pruritus in patients with cutaneous lupus erythematosus*
Dominik Samotij (Poland), **Justyna Szczęch**, **Emiliano Antiga**, **François Chasset**, **Aleksandra Dańczak-Pazdrowska**, **Adriana Polańska**, **Fukumi Furukawa**, **Carolyn Kushner**, **Hideo Hashizume**, **Mohammad Rafiqul Mowla**, **Aminul Islam**, **Minoru Hasegawa**, **Laurent Misery**, **Takaharu Ikeda**, **Zygmunt Adamski**, **Jacek C. Szepietowski**, **Victoria Werth**, **Adam Reich**

10:10-10:20 AM *Clinical characteristics of aquagenic pruritus in polycythemia vera*
Edyta Lelonek (Poland), **Łukasz Matusiak**, **Tomasz Wróbel**, **Jacek Kwiatkowski**, **Jacek C. Szepietowski**

10:20-10:30 AM *Clinical characteristics of pruritus in hidradenitis suppurativa patients*
Lukasz Matusiak (Poland), **Justyna Szczęch**, **Karolina Kaaz**, **Edyta Lelonek**, **Jacek C. Szepietowski**

11:15 AM-12:45 PM CONCURRENT I [WARSZAWA ROOM]

Patients' perspectives and patient reported outcomes

CHAIRS: **Christian Apfelbacher** (Germany); **Lidia Rudnicka** (Poland)

11:15-11:30 AM *Patient-reported outcomes: an introduction*
Christian Apfelbacher (Germany), **Pauline Nelson**

11:30-11:45 AM *High levels of acting with awareness go along with low levels of itch catastrophizing: First results of a cross-sectional study in patients with atopic dermatitis*
Christina Schut (Germany), **Kerry Montgomery**, **Kjell Lüßmann**, **Andrew Thompson**, **Uwe Gieler**, **Christoph Zick**, **Jörg Kupfer**

11:45 AM-12:00 PM *Do placebo effects work when subjects know that they receive a placebo? Effects of open-label verbal suggestions on itch*
Stefanie Meeuwis (The Netherlands), **Henriët van Middendorp**, **Judy Veldhuijzen**, **Antoinette van Laarhoven**, **Jan De Houwer**, **Andrea Evers**

12:00-12:15 PM *A qualitative study to understand patients' perception of the severity of chronic pruritus and its impact on health-related quality of life*
Jennifer Theunis, **Clementine Nordon**, **Ylana Chalem**, **Massimiliano Orri**, **Jesus Cuervo**, **Gilles Berdeaux**, **Marie Auges**, **Valerie Mengeaud**, **Laurent Misery** (France)

12:15-12:30 PM *The burden of chronic itch-a questionnaire based evaluation of clinical characteristics, associated morbidity and treatment outcomes in a cohort of patients with chronic pruritus*
Ian McDonald (Ireland), **Imre Szabó Lőrinc**, **Attila Szöllősi**, **Martin Steinhoff**

12:30-12:45 PM *European EADV network on assessment of severity and burden of pruritus (PruNet): validation of instruments for itch intensity itch-impaired quality of life in pruritic dermatoses in Europe*
Claudia Zeidler (Germany), **Philipp Bruland**, **Claudia Riepe**, **Inaki Soto**, **Sabine Steinke**, **Michael Storck**, **Martin Dugas**, **Sonja Ständer**

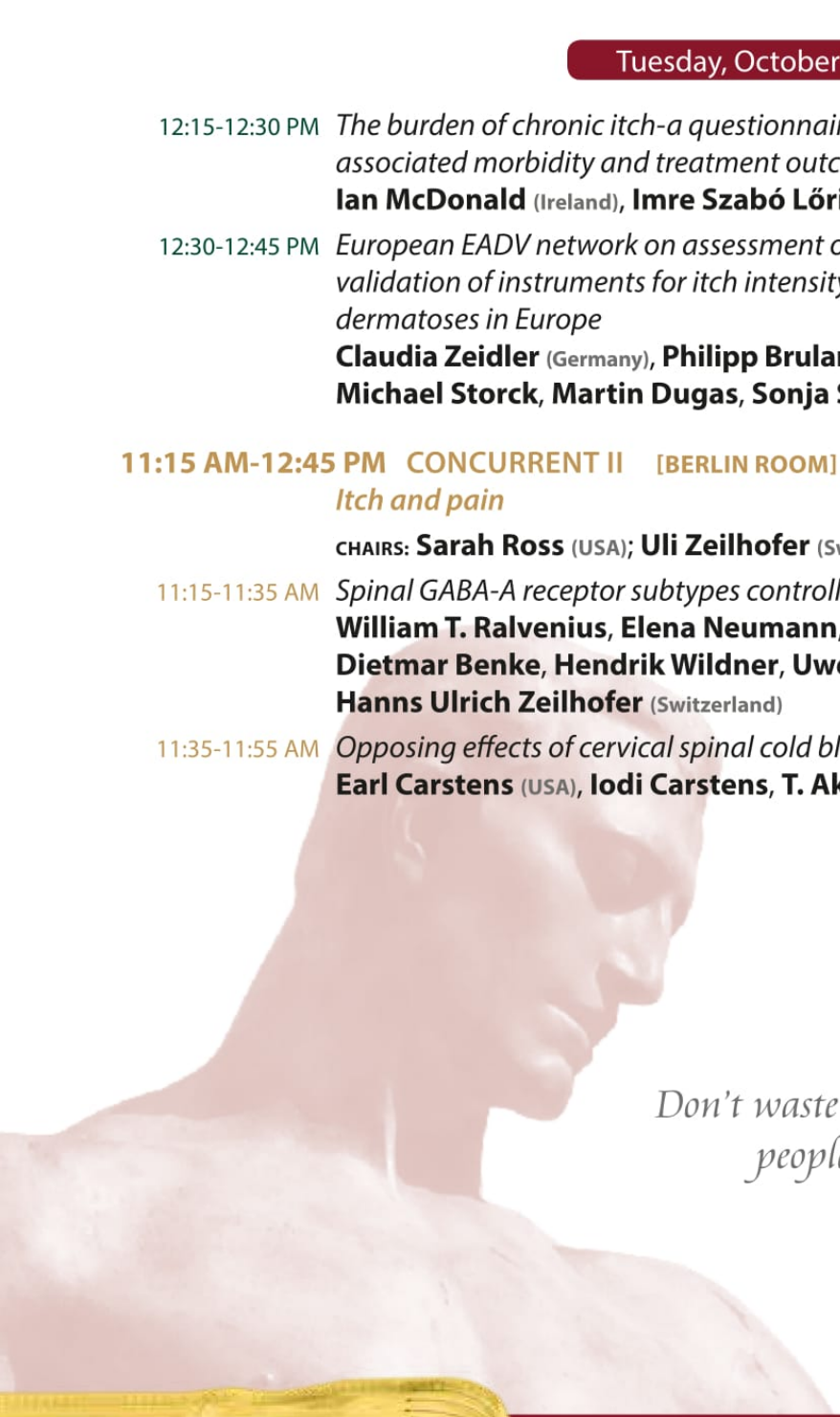
11:15 AM-12:45 PM CONCURRENT II [BERLIN ROOM]

Itch and pain

CHAIRS: **Sarah Ross** (USA); **Uli Zeilhofer** (Switzerland)

11:15-11:35 AM *Spinal GABA-A receptor subtypes controlling itch*
William T. Ralvenius, **Elena Neumann**, **Mario A. Acuña**, **Martina Pagani**, **Dietmar Benke**, **Hendrik Wildner**, **Uwe Rudolph**, **Claude Favrot**, **Hanns Ulrich Zeilhofer** (Switzerland)

11:35-11:55 AM *Opposing effects of cervical spinal cold block on spinal itch and pain transmission*
Earl Carstens (USA), **Iodi Carstens**, **T. Akiyama**, **A. Davoodi**, **M. Nagamine**



Don't waste your time with explanations,
people only hear what they want to hear.

Paulo Coelho

11:55 AM-12:15 PM *Responses single thalamic units to pruriceptive and nociceptive stimuli in the rat*
Glenn Giesler (USA), **Brett Lipshetz**, **Hai Truong**, **Sergey Khasabov**, **Donald Simone**

12:15-12:30 PM *Acupuncture for pain management in evidence-based medicine*
Taqee Ansari Mohammed (India)

12:30-12:45 PM *Itch and pain influence on quality of life and sleep disturbances of hidradenitis suppurativa patients*
Karolina Kaaz (Poland), **Łukasz Matusiak**, **Jacek C. Szepietowski**

12:45-2:00 PM LUNCH AND POSTER VIEWING II [RESTAURANT NOVOTEL AND LONDYN ROOM]

CHAIRS: **Elke Weisshaar** (Germany), **Gil Yosipovitch** (USA)

2:00-3:30 PM CONCURRENT I [WARSZAWA ROOM]

Prurigo and other pruritic skin diseases

Chairs: **Jeffrey Bernhard** (USA); **Joanna Wallengren** (Sweden)

2:00-2:15 PM *Prurigo and other pruritic skin diseases*
Joanna Wallengren (Sweden)

2:15-2:30 PM *Psoriatic itch 2017*
Jacek C. Szepietowski (Poland)

2:30-2:45 PM *Novel definition, classification and terminology of chronic prurigo*
Manuel Pedro Pereira (Germany), **Sabine Steinke**, **Sonja Ständer**

2:45-3:00 PM *Aprepitant, a NK1-antagonist, administered for 16 weeks reduced itch and supported resolution of skin lesions in a patient with chronic prurigo*
Franz J. Legat (Austria), **Alexandra Gruber-Wackernagel**, **Angelika Hofer**, **Klara Waltner, Peter Wolf**

3:00-3:15 PM *Peripheral effects of targeting the neurokinin 1 receptor in chronic prurigo*
Konstantin Agelopoulos (Germany), **Falk Rülander**, **Julia Dangelmaier**, **Tobias Lotts**, **Karin Loser**, **Sonja Ständer**

3:15-3:30 PM *Neurophysiological studies on chronic prurigo*
Manuel Pedro Pereira (Germany), **Konstantin Agelopoulos**, **Esther Pogatzki-Zahn**, **Sonja Ständer**

Logic will get you from A to Z;
imagination will get you everywhere.

Albert Einstein

2:00-3:30 PM CONCURRENT II [BERLIN ROOM]

New receptors, channels and pathways for itch

CHAIRS: **Ethan Lerner** (USA); **Yang-Gang Sun** (China)

2:00-2:15 PM *Neural recruitment and Mrgpr activity are required for the development of a mouse model of atopic dermatitis*
Ethan Lerner (USA), **Tuanlian Luo**, **Ehsan Azimi**, **Vemuri Reddy**, **Sarina Elmariah**

2:15-2:30 PM *A central feedback neural circuit gates itch-scratching cycle*
Yan Gang Sun (China)

2:30-2:45 PM *TRPV1 regulates PAR-2-evoked intracellular Ca2+ release and inflammatory mediators production in differentiated keratinocytes*
Olivier Gouin, **Killian L'herondelle**, **Raphaele Le Garrec**, **Paul Buscaglia**, **Olivier Mignen**, **Christelle Le Gall-Ianotto**, **Virginie Buhé**, **Luc Lefeuvre**, **Laurent Misery**, **Nicolas Lebonvallet** (France)

2:45-3:00 PM *Spinal release of gastrin releasing peptide (GRP) is required for suprathreshold synaptic activation of GRP receptor (GRPR)-positive neurons*
Martina Pagani (Switzerland)

3:00-3:15 PM *Effects of burn size on post-burn itch and epidermal nerve innervation in mice*
Kent Sakai (USA), **Kristen Sanders**, **Gil Yosipovitch**, **Tasuku Akiyama**

3:15-3:30 PM *Possible role of satellite glial cell derived lipocalin-2 in the pathogenesis of atopic dermatitis*
Nobuaki Takahashi (Japan), **Mitsutoshi Tominaga**, **Ryohei Kosaka**, **Hironori Matsuda**, **Yasushi Suga**, **Kenji Takamori**

4:00-5:15 PM CONCURRENT I [WARSZAWA ROOM]

Epidemiology of itch and quality of life

CHAIRS: **Suphey Chen** (USA); **Andrey Lvov** (Russia)

4:00-4:15 PM *Epidemiological study on the prevalence of itch in Japanese dementia patients*
Toshiya Ebata (Japan), **Lefkos Middleton**, **Ryoko Fukuda**, **Yoshimasa Takase**, **Nao Taniguchi**, **Kimitoshi Takemura**, **Didier LeClercq**, **Joelle Vaglio**, **Michel Poncet**, **Akihiko Ikoma**

4:15-4:30 PM *Pitfalls in pediatric self-reported pruritus severity and quality of life impact*
Shelby Smith, **Grace Lee**, **Sandy François**, **Alix Pijeaux**, **Kuang-Ho Chen**, **James Roberts**, **Suephy Chen** (USA)

4:30-4:45 PM *Quality of life in patients with chronic pruritus: from the conceptual model to items generation*
Jennifer Theunis, **Clementine Nordon**, **Ylana Chalem**, **Massimiliano Orri**, **Jesus Cuervo**, **Gilles Berdeaux**, **Marie Auges**, **Valerie Mengeaud**, **Laurent Misery** (France)

4:45-5:00 PM *Chronic itch (CI) in hemodialysis patients: A follow-up study of GEHIS (German Epidemiological Hemodialysis-Itch Study) on incidence and mortality of patients with CI*
Katarzyna Grochulska (Germany), **Robert Ofenloch**, **Thomas Mettang**, **Elke Weisshaar**

5:00-5:15 PM *Prevalence, characteristics and burden of pruritus in chronic dermatoses*
Tomasz Hawro (Germany), **Katarzyna Przybylowicz**, **André Ellrich**, **Max Spindler**, **Karsten Weller**, **Sabine Altrichter**, **Ulrich Reidel**, **Marcus Maurer**, **Martin Metz**

4:00-5:15 PM CONCURRENT II [BERLIN ROOM]

New imaging techniques and other aspects of itch

CHAIRS: **Clemens Forster** (Germany); **Ichiro Katayama** (Japan)

4:00-4:15 PM *New methods in brain imaging techniques*
Clemens Forster (Germany)

4:15-4:30 PM *Three dimensional analysis of cutaneous nervous system in pruritic atopic dermatitis and psoriasis skin*
Hong Liang Tey (Singapore)

4:30-4:45 PM *Functional connectivity reveals altered activation of brain areas in chronic cholestatic pruritus*
Andreas Kremer (Germany), **Theresa Buchwald**, **Marcel Vetter**, **Arnd Dörfler**, **Clemens Forster**

4:45-4:55 PM *Itch Tracker: An application software turning wearable smart devices into a tool to measure nocturnal scratching*
Akihiko Ikoma (Japan), **Kimitoshi Takemura**, **Didier LeClercq**, **Toshiya Ebata**

4:55-5:05 PM *Changes in tactile sensitivity after viewing itch-related images*
Michellie Young (UK), **Melanie Burke**, **Donna Lloyd**

5:05-5:15 PM *Keratinocyte derived cortisol regulates itch evoked- allergic cutaneous inflammation*
Ichiro Katayama (Japan), **Akira Matsumoto**, **Saori Ochi**, **Mika Terao**, **Hiroyuki Murota**

5:20-6:30 PM PLENARY SESSION [WARSZAWA ROOM]

Future perspectives

CHAIRS: **Earl Carstens** (USA); **Elke Weisshaar** (Germany)

5:20-5:40 PM *Future perspectives in treatment of itch*
Sonja Ständer (Germany)

5:40-6:00 PM *Future perspectives in basic research of itch: Mrgpr receptors and the biology of itch*
Xingzhong Dong (USA)

6:00-6:30 PM CLOSING CEREMONY [WARSZAWA ROOM]

6:00-6:15 PM HANDWERKER PRIZE, POSTER PRIZES

6:15-6:30 PM CLOSING REMARKS
Jacek C. Szepietowski (Poland), **Earl Carstens** (USA)

When you want something,
all the universe conspires in helping you to achieve it.

Paulo Coelho