

## PROGRAM

Sunday, November 17, 2019

8:00 AM-5:00PM	Registration
9:00 AM-12:00 PM	IFSI board meeting
10 AM-12 PM	Introduction to Itch (overview for students, researchers new to itch)
1:00 PM-5:00 PM	<p>IFSI Special Interest Groups (SIGs)</p> <p><b>1st Global SIG Day – International Harmonization of Standards &amp; Proceedings in Itch</b></p> <p>Chairs: Sonja Ständer (Germany), Gil Yosipovitch (USA), Jacek Szepietowski (Poland), Toshiya Ebata (Japan)</p> <p>1:00-1:15 – <b>Introduction and Overview</b> Sonja Ständer (Germany)</p> <p>1:15-2:05 – <b>SIG Terminology and Guidelines &amp; Assessment of Itch</b></p> <p>1:15-1:25 – Novel Guideline on Prurigo – where are we? Sonja Ständer (Germany)</p> <p>1:25-1:35 – A responder in clinical trials – what is it? Yosipovitch Gil (USA)</p> <p>1:35-1:45 – Pediatric itch – how do we assess and unique factors? Suephy C. Chen (USA)</p> <p>1:45-2:05 – Discussion</p> <p>2:05-2:30 – <b>SIG Itch Questionnaires</b></p> <p>2:05-2:15 – International Itch Questionnaire – Mission Impossible? Elke Weisshaar (Germany)</p> <p>2:15-2:30– Discussion</p> <p>2:30-3:00 – <b>SIG Itch in Systemic diseases</b> Controversy: Pruritus in the Elderly VS Chronic Pruritus of Unknown Origin</p> <p>2:30-2:40 – Chronic Pruritus of Unknown Origin (CPUO): Uniform Nomenclature and Diagnosis as a Pathway to Standardized Understanding and Treatment Gil Yosipovitch (USA)</p> <p>2:40-3:00 – Podiums Discussion &amp; Consensus: Ethan Lerner (USA), Timothy G. Berger (USA), Toshiya Ebata (Japan), Andreas Kremer (Germany), Jacek Szepietowski (Poland), Elke Weisshaar (Germany), Sonja Ständer (Germany), Gil Yosipovitch (USA)</p> <p>3:00-3:30 – Afternoon Tea</p> <p>3:30-4:00 – <b>SIG Sensitive Skin</b></p>

	<p>3:30-3:40 – Sensitive skin: Update of a sensitive issue Laurent Misery (France)</p> <p>3:40-4:00 – Discussion</p> <p>4:00-4:45 – <b>NEW SIG Psychological factors in itch</b></p> <p>4:00-4:25 – Special Interest Group ‘Psychological factors in itch’: Update and new initiatives Andrea W.M. Evers (Netherlands), Jörg Kupfer (Germany)</p> <p>4:25-4:45 – Discussion &amp; Consensus on Proceedings</p> <p>4:45-5:00 – Summary Toshiya Ebata (Japan)</p>
3:00 PM- 3:30 PM	<b>Poster/Exhibition Space and Afternoon Tea</b>
5:15- 8:00 PM	<b>Opening Ceremony and Welcome Reception</b>

**Monday, November 18, 2019**

8:00 AM- 9:30 AM	<p><b>Morning session</b>  <b>Hot off the bench: Latest news by young investigators</b>  <b>8:00-8:15</b>            Tayler D. Sheahan, USA            Dissecting the role of neurokinin-1 receptor spinal neurons in itch  <b>8:15-8:30</b>            Manuel Pereira, Germany            Selective nerve fiber activation in patients with chronic generalized pruritus  <b>8:30-8:45</b>            Huasheng Yu, China            MRGPRX4 is a novel bile acid receptor in cholestatic itch  <b>8:45-9:00</b>            Miriam Düll, Germany            Endogenous opioid levels do not correlate with itch intensity in hepatic pruritus  <b>9:00-9:15</b>            Pierre Ophelie, France            Role of cathepsin S and protease-activated receptor-2 in ciguatoxin-induced substance P release: New promising targets to relieve ciguatera pruritus  <b>9:15-9:30</b>            Xiao-Jun Chen, China            Multiplexing representation of itch, mechanical and thermal sensation in somatosensory cortex</p>	<p>Chairs:            Andreas Kremer, Germany            Leigh Nattkemper, USA</p>
9:30 AM-10:00 AM	<p><b>Bernhard Lecture</b>            Elke Weisshaar, Germany            The world of itch</p>	<p>Chair: Earl Carstens, USA</p>
10-10:30 AM	<p><b>Coffee break</b></p>	
10:30AM- 11:00 AM	<p><b>Challenges of Itch</b>            Pete Smith, Australia: Itch in the upper airways            Earl Carstens, USA: The challenge of basic itch research</p>	<p>Chairs:            Dedee Murell, Australia;            Matthias Ringkamp, USA</p>
11:00 AM-12:00 AM	<p><b>Concurrent Session 1:</b>  <b>Skin inflammation and itch</b>  <b>11:00-11:15</b>            Roman Rukwied, Germany            Transcutaneous sinusoidal currents elicit pruritus in atopic dermatitis patients  <b>11:15-11:30</b>            Mitsutoshi Tominaga, Japan            Role of spinal cholecystokinin receptor 2 in</p>	<p>Chairs:            Xinzhong Dong, USA; Roman Rukwied, Germany</p>

	<p>alloknesis models  <b>11:30-11:45</b>  Tiphaine Voisin, USA  Cysteinyl leukotrienes mediate chronic itch through cyslr2 receptor in mouse model of atopic dermatitis  <b>11:45-12:00</b>  Boyi Liu, China  Transcriptome profiling reveals Th2 bias and identifies TSLP as a key endogenous itch mediator in a model of poison ivy contact dermatitis</p>	
11:00 AM-12:00 PM	<p><b>Concurrent Session 2:  Psoriasis and itch</b>  <b>11:00-11:15</b>  Konstantin Agelopoulos, Germany  Altered cutaneous nerve fibre architecture in psoriatic skin recovers upon treatment with secukinumab  <b>11:15-11:30</b>  Kristina Duffin, USA  SNA-120, a novel topical non-steroidal therapy for psoriasis and associated pruritus that targets the NGF/TrkA pathway: results from a multicenter phase 2b study.  <b>11:30-11:45</b>  Sonja Ständer, Germany  Itch characteristics in psoriasis: results of a phase 2b study of SNA-120, a topical TrkA inhibitor, in mild-to-moderate psoriasis  <b>11:45-12:00</b>  Adam Reich, Poland  Is accelerometry a useful tool for pruritus severity assessment? Analysis of the data achieved in patients suffering from psoriasis</p>	<p>Chairs:  Jacek Szepietowski, Poland  Toshiya Ebata, Japan</p>
12:00- 12:45 PM	<b>Lunch and poster viewing</b>	
12:45 PM-2:00 PM	<p><b>Plenary session:  New antipruritic treatments</b>  <b>12:45-1:00</b>  Sonja Ständer, Germany  Novel therapies on chronic prurigo  <b>1:00-1:15</b>  Gil Yosipovitch, USA  The future of itch management  <b>1:15-1:30</b>  Rodney Sinclair, Australia  The relationship between pruritus and sleep improvement: Post Hoc analysis of a randomized, double-blind phase 3 clinical trial of Abrocitinib</p>	<p>Chairs:  Sonja Ständer, Germany;  Gil Yosipovitch, USA</p>

	<p><b>1:30-1:45</b> David Pariser, USA Effects of serlopitant on pruritus associated with psoriasis: worst itch numeric rating scale responder analysis of a phase 2 randomized double-blind placebo-controlled clinical trial</p> <p><b>1:45-2:00</b> Jacek Szepietowski, Poland Difelikefalin reduced itch intensity in hemodialysis patients with moderate-to-severe pruritus in an 8-week randomized, placebo-controlled study</p>	
2:00 PM- 2:30 PM PM	<b>Coffee Break and poster Discussions</b>	
2:30 PM- 4:00 PM	<p><b>Concurrent Session 1: Methods in itch research (clinical)</b></p> <p><b>2:30-2:40</b> Alan Fleischer, USA Methods in clinical itch research: an introduction</p> <p><b>2:40-2:50</b> Christina Schut, Germany Is histamine-induced itch related to personality characteristics in patients with atopic dermatitis and healthy skin controls?</p> <p><b>2:50-3:00</b> Toshiya Ebata, Japan Recent advance in the use of actigraphy for chronic pruritus</p> <p><b>3:00-3:10</b> Han Heul Jo, USA Using motion, sound, and machine learning to measure scratch with a skin-mounted, soft, wireless and flexible acoustomechanic sensor: performance with confounding activities</p> <p><b>3:10-3:25</b> Andrey Lvov, Russia Somatoform itch and “itch-like” skin sensations: what do we know about these psychosomatic phenomena?</p> <p><b>3:25-3:35</b> Kazuaki Okamoto, Japan Measurement of nocturnal scratching with Itch Tracker in patients with chronic pruritus; a multi-regional study using a medical research framework for mobile app users</p> <p><b>3:35-3:50</b> Marco DiBonaventura, USA The relationship between pruritus, sleep disruption and quality of life among patients with moderate-to-severe Atopic Dermatitis (AD)</p>	<p>Chairs: Alan Fleischer, USA; Christian Schuth, Germany</p>

	<p><b>3:50-4:00</b>  Yuebin Zhao, Australia  Transcutaneous electrical nerve stimulation for chronic pruritus management: a systematic review and meta-analysis</p>	
2:30 PM- 4:00 PM	<p><b>Concurrent Session 2:  Methods in itch research (experimental)</b>  <b>2:30-2:45</b>  Zhou-Feng Chen, USA  Genetic and functional studies of the role of GRP in sensory neurons and spinal cord  <b>2:45-3:00</b>  Yao-Qing Yu, China  Contagious itch behaviors in mice: from model to molecules  <b>3:00-3:15</b>  Taylor Follansbee, USA  Effects of rostral ventromedial medullary tachykinin 1 receptor (NK-1R) expressing neurons on the descending modulation of itch  <b>3:15-3:30</b>  Inan Saadet, USA  Nalbuphine, a kappa opioid receptor agonist and mu opioid receptor antagonist attenuates pruritus, decreases IL-31 and increases IL-10 in mice with contact dermatitis  <b>3:30-3:45</b>  Nivanthika Wimalasena, USA:  Scratching and sensory deficits in an Nav 1.7 gain of function mouse model  <b>3:45-4:00</b>  Hiroyuki Murota, Japan  Recent evidence on the mechanism of sweat-related itch in atopic dermatitis</p>	<p>Chairs:  Hiroyuki Murota, Japan  Zhou-Feng Chen, USA</p>
4:00 PM- 5:00 PM	<b>General Assembly Meeting</b>	
5:15 PM-5:45 PM	<b>IFSI Board Meeting</b>	
6:45 PM	<b>Gala Dinner &amp; Cruise, Sydney Harbour</b>	

**Tuesday, November 19, 2019**

8:00 AM - 9:30 AM	<p><b>Morning session: Hot off the bench: Latest news by young investigators</b></p> <p><b>8:00-8:15</b> Radomir Reszke, Poland: Revisiting itch in psoriasis</p> <p><b>8:15-8:30</b> MV Rosso, Argentina Improvement of pruritus with topical dapsone in children with Dermatitis herpetiformis</p> <p><b>8:30-8:45</b> Helen Kühn, Germany Identification of novel MRGX2-agonists triggering mast cell degranulation and potentially mediating drug-induced pruritus</p> <p><b>8:45-9:00</b> Blythe S, Netherlands Nocebo effects on cowhage-evoked itch: Results of an experimental model of learning processes.</p> <p><b>9:00-9:15</b> Wen-Zhen Chen, China Tac1-expressing neurons in the periaqueductal gray facilitate the itch-scratch cycle via descending regulation.</p> <p><b>9:15-9:30</b> Leigh Nattkemper, USA Immunohistochemical analysis of IL-31, oncostatin M, and their receptors in prurigo nodularis</p>	<p>Chairs: Frank Brennan, Australia; Manuel Pereira, Germany</p>
9:30 AM-10:00 AM	<p><b>Kuraishi Lecture:</b> Robert LaMotte, USA Itch, pain and nociceptor plasticity in allergic contact dermatitis</p>	<p>Chair: Earl Carstens</p>
10:00 AM-10:30 AM	<p><b>Coffee break and poster viewing</b></p>	
10:30 AM-11:00 AM	<p><b>Atopic dermatitis and itch</b></p> <p><b>10:30-10:40</b> Melinda J Gooderham, Canada: Relationship between systemic biomarkers of Atopic Dermatitis (AD) and pruritus from a phase 2b study of once-daily oral janus kinase 1 inhibitor abrocitinib in moderate-to-severe AD</p> <p><b>10:40-10:50</b> Sarah Welsh, USA A Combined Responder Analysis of Tradipitant Demonstrates Significant Improvements in Itch and Disease Severity</p>	<p>Chairs: Ethan Lerner, USA; Asit Mital, India</p>

	<p><b>10:50-11:00</b> Ethan Lerner, USA Mrgprs in itch</p>	
11:00 AM-12:00 PM	<p><b>Concurrent Session 1: Patient's perspectives and patient reported outcomes</b> <b>11:00-11:15:</b> Christian Apfelbacher, Germany Patient-reported outcome measures for pruritus: an overview. <b>11:15-11:30</b> Robert Bissonnette, USA Itch patient- reported outcomes (PROs) with abrocitinib treatment in patients with moderate-to-severe Atopic Dermatitis (AD): results from a randomized phase 3 clinical trial <b>11:30-11:45</b> Karsten Weller, Germany Development and validation of the Prurigo Control Test (PCT)-A patient reported outcome measure to assess disease control in chronic prurigo <b>11:45-12:00</b> Stephanie Meeuwis, Netherlands Open- and closed-label nocebo and placebo verbal suggestions regarding a sham transdermal caffeine patch: effects on itch</p>	<p>Chairs: Christian Apfelbacher, Germany; Andrea Evers, Netherlands</p>
11:00 AM-12:00 PM	<p><b>Concurrent Session 2: Itch and Pain</b> <b>11:00-11:15</b> Martin Schmelz, Germany Itch and pain - an update <b>11:15-11:30</b> Behrang Sharif, Canada A single afferent subset can transmit itch or pain by differential recruitment of TRP channels <b>11:30-11:45</b> Tasuku Akiyama, USA The role of the amygdala in itch and anxiety <b>11:45-12:00</b> Diana Bautista, USA Potential targets of analgetic and antipruritic treatment: a cellular and molecular perspective</p>	<p>Chairs: Diana Bautista, USA Martin Schmelz, Germany</p>
12- 12:45 PM	<b>Lunch and poster viewing</b>	
12:45 PM-2:15 PM	<p><b>Concurrent Session 1 Prurigo and other pruritic skin diseases</b> <b>12:45-1:00</b></p>	<p>Chairs: Joanna Wallengren, Sweden Kenji Takamori, Japan</p>



	<p>Hartmut Ständer, Germany Diagnostic and treatment algorithm for chronic nodular prurigo <b>1:00-1:10</b></p> <p>Madison Ngyen, USA: Trends in the demographic and treatment of prurigo nodularis in the United States <b>1:10-1:20</b></p> <p>Emilie Brenaut, France The self-assesses psychological comorbidities of prurigo in European patients: A multi-centre study in 13 countries <b>1:20-1:30</b></p> <p>Asit Mittal, India Clinical and neuro-physiological study of chronic prurigo <b>1:30-1:45</b></p> <p>Claudia Zeidler, Germany Novel instruments for the assessment of chronic prurigo <b>1:45-2:00</b></p> <p>Kenji Takamori, Japan Opioids and itch in the periphery</p>	
12:45 PM-2:15 PM	<p><b>Concurrent Session 2</b> <b>New receptors, channels and pathways for itch</b> <b>12:45-1:00</b></p> <p>Yan-Gang Sun, China: The neural representation of itch in somatosensory cortex 1:00-1:15</p> <p>Mark Hoon, USA Itch-neurons and their receptors 1:15-1:30</p> <p>Tsugunobu Andoh, Japan <math>\alpha</math>-Melanocyte-stimulating hormone and itching in atopic dermatitis <b>1:30-1:45</b></p> <p>Ferda Cevikbas, USA: IL-13 as a neuronal enhancer for itch in human sensory neurons <b>1:45-2:00</b></p> <p>Matthias Ringkamp, USA <math>\beta</math>-alanine and bovine adrenal medullary protein 8-22 preferentially activate subtypes of polymodal C-fibers in pigtail monkeys <b>2:00-2:15</b></p> <p>Santosh Mishra, USA: Role of Integrin in Chronic Allergic Itch</p>	<p>Chairs: Ferda Cevikbas, USA; YanGang Sun, China</p>
2:15 PM- 2:45 PM	<b>Coffee Break and poster Discussions</b>	

2:45 PM-3:45 PM	<p><b>Concurrent Session 1</b>  <b>Epidemiology of itch and quality of life</b>  <b>2:45-3:00</b>  Manuel Pereira, Germany: Chronic nodular prurigo: A cross-sectional European Study.  <b>3:00-3:10</b>  Chan KT Michael, China  A Community Epidemiological Survey on the Prevalence and Risk Factors of Sensitive Skin Syndrome in Hong Kong using a validated Sensitive Scale -10 (SS-10) Questionnaire  <b>3:10-3:20</b>  Usma Iftikhar, Pakistan  Quality of life in patients with uraemic pruritis  <b>3:20-3:30</b>  Yicong Liang, Australia  Pruritus in bullous pemphigoid: correlation with disease activity (ABSIS and BPDAI) and quality of life (ABQOL)  <b>3:30-3:45</b>  Sandy Francois, USA  Validation of TweenItchyQol and ItchyQuant for older children</p>	<p>Chairs:  Florence Dalgard, Norway;  Suphey Chen, USA</p>
2:45 PM-3:45 PM	<p><b>Concurrent Session 2</b>  <b>New imaging techniques and other aspects of itch</b>  <b>2:45-3:00</b>  Martina Pagani, Switzerland  Closure of Kir2 Potassium Channels and Subsequent Inactivation of A-Type Potassium Channels Underlie the Critical Role of Gastrin-Releasing Peptide in Spinal Itch Relay  <b>3:00-3:10</b>  Hong Liang Tey, Singapore:  3D Neuroanatomy of the cutaneous itch nervous system  <b>3:10-3:20</b>  Martyrna Scibiorek, South Africa  Deletion of IL-4R<math>\alpha</math>-responsive B cells augments immune response of BALB/C mice to Atopic Dermatitis  <b>3:20-3:30</b>  Keiko Takanami, Japan  Chronic stress affects itch sensitivity and male sexual function in rats  <b>3:30-3:45</b>  Fang Wang, USA  A novel model of allergen-provoked itch in the setting of atopic dermatitis-like disease</p>	<p>Chairs:  Robert LaMotte, USA;  Uli Zeilhofer, Switzerland</p>

3:50 PM-4:30 PM	<b>Plenary Session Future perspectives</b>	Chairs: Earl Carstens, USA; Elke Weisshaar, Germany
3:50 PM-4:10 PM	Andrea Evers, Netherlands New perspectives for the treatment of chronic itch: from learning to itch sensitization	
4:10 PM-4:30 PM	Martin Steinhoff, Qatar Future perspectives in basic research of itch	
4:30 PM-5:00 PM	<b>Closing Ceremony</b>	
	<b>Handwerker Prize; Poster Prizes; Travel Grant winners</b>	
	<b>Closing remarks:</b> Frank Brennan (Congress President), Earl Carstens (IFSI President)	
6:00 PM	<b>IFSI Board Dinner</b>	