University of Zurich[UZH]

47TH ANNUAL CONFERENCE OF THE INTERNATIONAL SOCIETY OF PSYCHONEUROENDOCRINOLOGY

ZURICH, SEPTEMBER 7–9, 2017

GENES AND HORMONES: KEY FACTORS OF WELLBEING THROUGHOUT THE LIFESPAN

Sponsors

Kanton Zürich

Universität Zürich[UZH]

Philosophische Fakultät

FONDS NATIONAL SUISSE
SCHWEIZERISCHER NATIONALFONDS
FONDO NAZIONALE SVIZZERO
SWISS NATIONAL SCIENCE FOUNDATION

Schweizerische Akademie der Geistes- und Sozialwissenschaften
Académie suisse des sciences humaines et sociales
Accademia svizzera di scienze umane e sociali
Academia svizra da scienzas umanas e socialas
Swiss Academy of Humanities and Social Sciences

Zürcher Universitätsverein
Ehemalige und Freunde der UZH

ELSEVIER

Exhibitors: IBL International (part of Tecan group); Max Zeller Söhne AG

WELCOME

Grüezi

On behalf of the entire conference team, I welcome you to the 47th Annual conference of the International Society of Psychoneuroendocrinology. We are very happy to host the ISPNE community here in Zurich, Switzerland.

The highlights of the conference will include the welcome reception and poster session with more than 110 presentations, 7 outstanding keynote lectures, and 28 symposia addressing a diverse range of highly interesting topics in the field of Psychoneuroendocrinology. Last but not least, we are very much looking forward to the conference dinner and party, which will take place at an exquisite and unique lakeside locatiaon in Zurich.

Zurich is called the little big city. It is located at the foot of the Swiss Alps, by the shore of the beautiful lake of Zurich. Hopefully, you will also find some time to become acquainted with this charming and vibrant Swiss city. For this purpose, we have provided some information about Zurich in this brochure and on the conference website.

As the organizers of this conference, we are ready to offer you any support possible with your scientific presentations, and we sincerely hope that this conference stay will be a most pleasant and positively memorable event for all of you. We look forward to your outstanding scientific presentations, to numerous fruitful discussions, and to cherishing old and new friendships during the social events!

Ulrike Ehlert, PhD
On behalf of the Organizing Committee

Local Organizing Committee
Ulrike Ehlert, PhD, Jens Gaab, PhD, Rita Amiel Castro, PhD, Susanne Fischer, PhD,
Antoinette Kuriger, Roberto La Marca, PhD, Pearl La Marca-Ghaemmaghami, PhD

The University of Zurich (UZH) was founded in 1833 and is Switzerland's largest university with over 26'000 students. Moreover, it belongs to Europe's most prestigious research institutions.

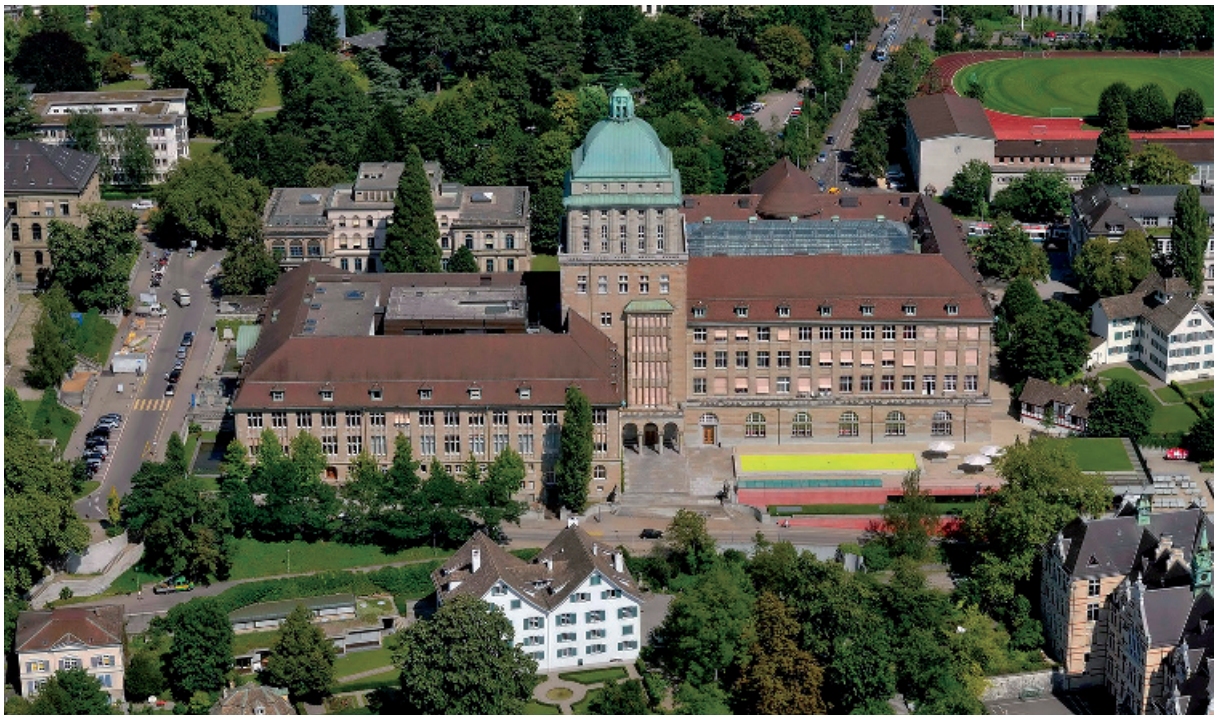
The ISPNE conference will take place at the UZH Central Campus, in the University's main building. Situated at the top of Zurich's old town and easily reached, the university's main building was founded in 1914 and has recently celebrated its 100th anniversary.

You can easily reach the conference venue by public transportation:

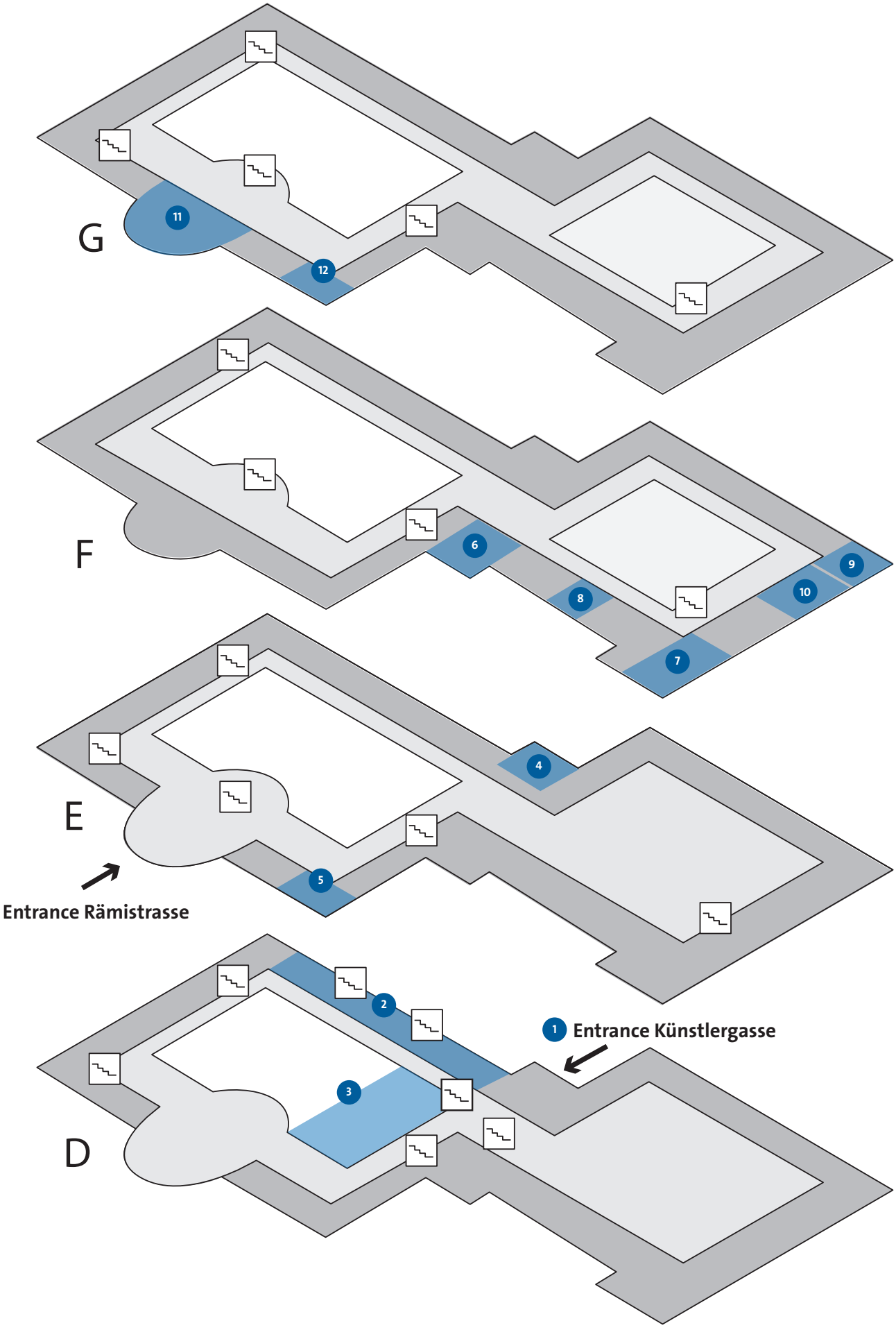
- Take tram line 3 (direction «Klusplatz») or bus line 31 (direction «Hegibachplatz») from the tram or bus stop «Bahnhofplatz/HB» to the stop «Neumarkt».

Other alternative connections

- Take tram line 6 (direction «Zürich Zoo») or line 10 (direction «Zürich Flughafen») from tram stops around the main station to the tram stop »ETH/Universitätsspital«. From there, it is a 5-minute walk to the University's main building.
- Take tram line 5 (direction «Kantonsschule») or 9 (direction «Hirzenbach») from the tram stop «Bellevue« to the tram stop «Kantonsschule». From there, it is a 5-minute walk to the University's main building.



1. Entrance Künstlergasse (Registration Desk)
2. Foyer West
3. Lichthof, NORD
4. KOL-E-18
5. KOL-E-21
6. KOL-F-118
7. KO2-F-152
8. KO2-F-156
9. KO2-F-174
10. KO2-F-175
11. Aula, KOL-G-201
12. KOL-G-221


G
11
12
F
6
8
9
10
7
E
4
5
Entrance Rämistrasse
D
2
3
1
Entrance Künstlergasse

Registration

Desk location: Main building of the University of Zurich, entrance from the street «Künstlergasse»

Thursday, September 7:	12:00 pm – 7:00 pm
Friday, September 8:	8:00 am – 6:30 pm
Saturday, September 9:	8:00 am – 6:00 pm

If you have any urgent questions please do not hesitate to contact us: +41 / 44 / 635'73'52

Conference Homepage and Online Program

All information provided in this booklet as well as a PDF-version of this booklet can be retrieved from our conference website:

www.ispne2017.ch

Wireless Access

WIFI is available all around the conference venue. For WIFI-access please see the information included in your conference briefcase.

Opening Ceremony & Welcome Reception

The ISPNE 2017 conference will be officially opened with a welcoming address on September 7, 2017 in the Aula of the University of Zurich. Following the ceremony, a reception with drinks, an Alphorn concert – a traditional Alpine wind instrument made of wood –, and Swiss typical food will take place allowing all delegates to relax and get to know one another.

Conference Dinner and Party

The Conference Dinner and Party will take place on September 8, 2017 in the beautiful surrounds of Lake Zurich at the restaurant Quai 61. The dinner restaurant is located right on the lake with a nice maritime flair and an atmosphere of lively good fun.

The delegates will be able to enjoy freshly prepared, cosmopolitan dishes and drinks while admiring the stunning view of the lakeside and the Swiss Alps. Vegan and Vegetarian options will be provided. The conference party will be held on the restaurant's terrace and will allow our delegates to enjoy the summer breeze while listening to a live band and DJ. We invite you to join us for a unique riverside evening of fun.

Address

Quai 61, Mythenquai 61, 8001 Zurich

Directions (from the University of Zurich)

The Quai 61 can be reached in approximately 15 minutes from the conference venue. Take tram line 5 (direction "Laubegg") from the tram stop "Kantonsschule" to the tram stop „Rentenanstalt". Then, from the tram stop "Rentenanstalt", there are two options:

- You can walk to the Quai 61; it is a 7-minute walk to the restaurant.
- You can take a 1-minute bus ride with the bus line 161 (direction "Kilchberg ZH, Kirche") or with the bus line 165 (direction "Rüschlikon, Park im Grüene") to the bus stop "Schweizer Rück", which is next to the restaurant.

PROGRAM OVERVIEW

Time	Topic			
12:00 pm – 7:00 pm	Registration Desk Open (Entrance Künstlergasse)			
2:00 pm – 3:30 pm	**Symposia**			
	S1: Women's health and its association with acute and chronic stress Chair: B. Ditzen KOL-G-221	S2: Now you can look back! Ten years of PNE research using hair cortisol as an endocrine readout for past events and chronic stress Chair: C. Kirschbaum KO2-F-152	S3: Epigenetic mechanisms underlying early life adversity leading to long-lasting behavioral responses Chairs: N. Meiri & A. Weller KOL-E-18	S4: Consequences of early life stress on the developing brain – new insights from prospective longitudinal studies of pre- and postnatal stress exposure Chairs: C. Buss & C. Heim KOL-F-118
3:30 pm – 3:45 pm	Coffee Break Foyer West			
3:45 pm – 4:00 pm	**Welcome address to the 47th ISPNE Annual Conference, Travel Awards** Aula, KOL-G-201			
4.00 pm – 5:30 pm	**Awards Ceremony** Presidential Address (Prof. Clemens Kirschbaum) Curt Richter Award Aula, KOL-G-201			
5:30 pm – 7:00 pm	Poster Session accompanied with Swiss music, wine and Apèro riche Foyer West			

Time	Topic			
8:00 am – 6:30 pm	Registration Desk Open (Entrance Künstlergasse)			
8:30 am – 10:00 am	**Key Notes** Genome guided drug discovery in neuropsychiatry (Prof. Andreas Papassotiropoulos) Revisiting suicide risk: experience, development and psychopathology (Prof. Gustavo Turecki) Aula, KOL-G-201			
10:00 am– 10:30 am	Coffee Break Lichthof, NORD			
10:30 am – 12:00 pm	**Symposia**			
	S5: How attachment, anxiety and context influence the effects of oxytocin on social cognition and social behavior Chair: W.-G. Lange KO2-F-174	S6: Proceedings in ambulant corticosteroid assessment: relevance & opportunities Chair: V. Kallen KO2-F-175	S7: Stress and cellular aging Chair: S. Entringer KOL-E-18	S8: Neuropeptides in the CNS: Regulation of chemosensory perception, food intake and metabolism Chair: U. Stockhorst KOL-E-21
12:00 pm – 1:00 pm	Lunch (lunchbox offered at Lichthof, NORD)		PNEC Editorial Board Meeting (on invitation only) KO2-F-156	
1:00 pm – 2:30 pm	**Key Notes** Brain neuropeptide (inter)actions for the sake of socio-emotional balance (Prof. Inga Neumann) Neural risk mechanisms of mental disorders (Prof. Andreas Meyer-Lindenberg) Aula, KOL-G-201			
2:30 pm – 3:15 pm	Business Meeting (ISPNE Members) Aula, KOL-G-201			
3:15 pm – 3:30 pm	Coffee Break Lichthof, NORD			
3:30 pm – 5:00 pm	**Symposia**			
	S9: Social functioning & emotional wellbeing - sex hormones and neuropeptides as contributors to intra- and interindividual variation Chairs: C. Anderl & F. Chen KO2-F-174	S10: The Swiss Preschoolers' Health Study (SPLASHY): A prospective multi-site cohort study assessing the impact of stress and physical activity on psychological and physical health Chair: J. Puder, S. Munsch, O. G. Jenni KO2-F-175	S11: The allostatic load concept in psychiatry Chair: Z. Sarnyai KOL-E-18	S12: Novel immune targets in depression Chair: A. Pillai KOL-E-21
5:05 pm – 6:35 pm	**Symposia**			
	S13: Interactions between sex steroids and stress across the lifespan Chair: G. N. Neigh KO2-F-174	S14: Sexual behaviors and biological mechanisms Chairs: J. Jokinen & R.-P. Juster KO2-F-175	S15: Maternal and infant HPA axis functioning in prenatal and early life stress Chair: L. Karlsson KOL-E-18	S16: Stress and emotional memories in humans: In search for neuroendocrine mechanisms and their neural correlates Chairs: O. T. Wolf & K. Wingenfeld KOL-E-21
7:30 pm	Conference Dinner and Party at Quai 61 at the Lake Zurich			

Time	Topic			
8:00 am – 6:00 pm	Registration Desk Open (Entrance Künstlergasse)			
8:30 am – 10:00 am	**Key Notes** Brain-gut-microbiota axis: implications for psychoneuroendocrinology (Prof. Ted Dinan) Reproductive hormone variability and stressful life events: A transdiagnostic mechanism of risk? (Prof. Susan Girdler) Aula, KOL-G-201			
10:00 am – 10:30 am	Coffee Break Lichthof NORD			
10:30 am – 12:00 pm	**Symposia**			
	S17: Organizational and activational hormone effects and the development and arousal of implicit motives throughout the life span Chair: M. G. Köllner KO2-F-174	S18: Effects of acute stress on social cognition and behavior from health to psychopathology Chair: B. von Dawans KO2-F-175	S19: The impact of prenatal and postnatal stress in childhood on hypothalamic-pituitary-adrenal function, proinflammatory markers, and mental health in adolescence and adulthood Chair: M. A. Ellenbogen KOL-E-18	S20: Mechanisms of physiological stress reactivity and subsequent processes Chair: P. H. Wirtz, J. C. Pruessner KOL-E-21
12:00 pm – 1:30 pm	Lunch (lunchbox offered at Lichthof, NORD)		12:00 pm - 1:00 pm: STRESS Editorial Board Meeting (on invitation only) KO2-F-156	
1:30 pm – 2:30 pm	**Key Note** The resilient brain: epigenetics, stress and the lifecourse (Prof. Bruce McEwen) Aula, KOL-G-201			
2:30 pm – 4:00 pm	**Symposia**			
	S21: Fitness, exercise and psychobiological stress responsivity Chair: J. Strahler KO2-F-174	S22: Animal models of prenatal and adolescent stress Chair: A. Overgaard KO2-F-175	S23: Genetic approaches to psychobiological stress research in humans Chairs: S. Wüst & R. Kumsta KOL-E-18	S24: Neuroendocrine, genetic and epigenetic factors of fear Chairs: I. D. Neumann & C. T. Wotjak KOL-E-21
4:00 pm – 4:15 pm	Coffee Break Lichthof NORD			
4:15 pm – 5:45 pm	**Symposia**			
	S25: Singing, dancing, playing and listening for better health: Neurohumoral responses to musical activities Chair: G. Kreutz KO2-F-174	S26: Environmental and genetic factors influencing stress responses in emerging adults Chairs: S. Lupien & E. K. Adam KO2-F-175	S27: How does water fuel the fire? Molecular and clinical determinants of glucocorticoid sensitivity in stress trauma and mental disorder Chairs: C. M. Pariante, N. Rohleder KOL-E-18	S28: Adaptation to repeated stress: genes, plasticity and developmental influences Chair: S. Bhatnagar KOL-E-21
5:45 pm – 6:00 pm	Closing of Conference Aula, KOL-G-201			

NOTES

PLENARY SPEAKERS

FRIDAY, SEPTEMBER 8, 8:30AM – 10:00AM, AULA

Plenary Lecture 1: Genome-guided drug discovery in neuropsychiatry

Prof. Andreas Papassotiropoulos

Transfaculty Research Platform
Division of Molecular Neurosciences
University of Basel (Switzerland)

Plenary Lecture 2: Revisiting suicide risk: experience, development and psychopathology

Prof. Gustavo Turecki

Co-Director, Douglas – Bell Canada Brain Bank
Head, Depressive Disorders Program, Douglas Institute
Director, RQSHA
Director, McGill Group for Suicide Studies
Department of Psychiatry
McGill University (Canada)

FRIDAY, SEPTEMBER 8, 1:00PM – 2:30PM, AULA

Plenary Lecture 3: Brain neuropeptide (inter)actions for the sake of socio-emotional balance

Prof. Inga Neumann

Behavioural Neuroendocrinology
University of Regensburg (Germany)

Plenary Lecture 4: Neural risk mechanisms of mental disorders

Prof. Andreas Meyer-Lindenberg

Director of the Zentralinstitut für Seelische Gesundheit
Department of Psychiatry and Psychotherapy
University of Mannheim (Germany)

SATURDAY, SEPTEMBER 9, 8:30AM – 10:00AM, AULA

Plenary Lecture 5: Brain-gut-microbiota axis: implications for psychoneuroendocrinology

Prof. Ted Dinan

Professor/Head of Department Psychiatry
University College Cork (Ireland)

Plenary Lecture 6: Reproductive hormone variability and stressful life events: A transdiagnostic mechanism of risk?

Prof. Susan Girdler

Professor and Director
Menstrual Mood Disorders Research
Department of Psychiatry
University of North Carolina at Chapel Hill (USA)

SATURDAY, SEPTEMBER 9, 1:30PM – 2:30PM, AULA

Plenary Lecture 7: The resilient brain: epigenetics, stress and the lifecourse

Prof. Bruce McEwen

Alfred E. Mirsky Professor
Harold and Margaret Milliken Hatch Laboratory of Neuroendocrinology
The Rockefeller University (USA)

SYMPOSIA

THURSDAY, SEPTEMBER 7, 2017, 2:00PM – 3:30PM

Symposium 1

Women's health and its association with acute and chronic stress
Chair: Beate Ditzen
Location: KOL-G-221

Cortisol Stress Resonance in the Laboratory is Associated with Inter-Couple Diurnal Cortisol Covariation in Daily Life

Veronika Engert, Amy M. Ragsdale, Tania Singer
Max Planck Institute for Human Cognitive and Brain Sciences, Germany
E-mail address: veronika_engert@yahoo.de

Correlation of self-reported stress and mood disorders with hair cortisol and cortisone in women in the first year postpartum – the Ulm SPATZ Health Study

Stefanie Braig[1], Tobias Stalder[2], Clemens Kirschbaum[3], Dietrich Rothenbacher[1], Jon Genuneit[1]
[1]Institute of Epidemiology and Medical Biometry, Ulm University, Germany; [2]Department of Psychology, TU Dresden, Germany, Clinical Psychology, University of Siegen, Germany; [3]Department of Psychology, TU Dresden, Germany
E-mail address: stefanie.braig@uni-ulm.de

Hormone Modulation: A Novel Approach to Managing Psychosis in Women

Jayashri Kulkarni[1,2,3]
[1]Monash Alfred Psychiatry research centre, Australia; [2]Monash University, Central Clinical School; [3]Alfred Hospital
E-mail address: jayashri.kulkarni@monash.edu

Hormones and cognition across the lifespan in women with chronic schizophrenia

Caroline Gurvich, Emorfia Gavrilidis, Jasmin Grigg, Roisin Worsely, Natalie Thomas, Jayashri Kulkarni
Monash Alfred Psychiatry research centre, Central Clinical School Monash University and The Alfred Hospital, Melbourne, Australia
E-mail address: caroline.gurvich@monash.edu

Symposium 2

Now you *can* look back! Ten years of PNE research using hair cortisol as an endocrine readout for past events and chronic stress
Chair: Clemens Kirschbaum
Location: KO2-F-152

Application of Hair Cortisol Methodology to Animal Models: Assessment of Long-Term HPA Activity and Chronic Stress

Jerrold S. Meyer, Melinda A. Novak
University of Massachusetts, United States of America
E-mail address: jmeyer@psych.umass.edu

Incorporation and elimination pathways of cortisol in hair: experimental evidence concerning the role of cortisol in sweat and light exposure

Juliane Graß[1], Robert Miller[1], Esther H.D. Carlitz[2], Fabian Patrovsky[1], Clemens Kirschbaum[1], Tobias Stalder[3]
[1]TU Dresden, Germany; [2]University of Zurich, Switzerland; [3]University of Siegen, Germany
E-mail address: juliane.grass@tu-dresden.de

Large-scale studies on the relationships between hair corticosteroids and depression, anxiety and cardiometabolic diseases in humans

Elisabeth F.C. van Rossum[1], Sabine M. Staufenbiel[1], Vincent L. Wester[1], Gerard Noppe[1], Jenny A. Visser[1], Brenda W.J.H. Penninx[2], Lotte Gerritsen[2], Vincent W. Jaddoe[1], Bert van Hemert[3], Erica L.T. van den Akker[1], Yolanda B. de Rijke[1]

[1]Erasmus University Medical Center Rotterdam, Rotterdam, the Netherlands,; [2]VU University Medical Center, Amsterdam, the Netherlands; [3]Leiden University Medical Center, Leiden, the Netherlands

E-mail address: e.vanrossum@erasmusmc.nl

Hair cortisol in caregivers and their patients receiving allogeneic stem cell transplants – a clinical trial application

Mark L. Laudenslager

University of Colorado Denver Anschutz Medical Campus, United States of America

E-mail address: mark.laudenslager@ucdenver.edu

Hair cortisol concentration as a stress marker in internationally adopted children – preliminary results from the Finnish Adoption (FinAdo) Study

Helena Leila Lapinleimu[1,2], Krista Liskola[3,4], Hanna Raaska[4], Jouni Lapinleimu[5,6], Anna-Riitta Heikkilä[7,8], Hanni Rönnlund[1,9], Marko Elovainio[10,11]

[1]Department of Pediatrics and Adolescent Medicine, University of Turku, Turku, Finland; [2]Department of Pediatrics and Adolescent Medicine, University Hospital of Turku, Turku, Finland; [3]Department of Child Psychiatry, University of Helsinki, Helsinki, Finland; [4]Department of Child Psychiatry, University Hospital of Helsinki, Helsinki, Finland; [5]Department of Internal Medicine, University of Turku, Turku, Finland; [6]Division of Medicine, Turku University Hospital, Salo Hospital, Finland; [7]Department of Pediatrics and Adolescent Medicine, University of Helsinki, Helsinki, Finland; [8]Department of Pediatrics and Adolescent Medicine, University Hospital of Helsinki, Helsinki, Finland; [9]Health Care Center of Kaarina, Kaarina, Finland; [10]Department of Psychology and Logopedics, University of Helsinki, Helsinki, Finland; [11]National Institute for Health and Welfare, Helsinki, Finland

E-mail address: lehela@utu.fi

Symposium 3

Epigenetic mechanisms underlying early life adversity leading to long-lasting behavioral responses

Chairs: Noam Meiri, Aron Weller

Location: KOL-E-18

Transgenerational effects of early life trauma: Epigenetic mechanisms involving the germline

Isabelle M. Mansuy

UZH/ETHZ, Switzerland

E-mail address: mansuy@hifo.uzh.ch

Epigenetic regulatory mechanisms of thermal stress response and memory

Noam Meiri, Tatiana Kisliouk, Tomer Cramer, Tali Rosenberg

ARO, The Volcani Center, Israel;

E-mail address: noam.meiri@mail.huji.ac.il

Thyroid hormone mediates epigenetic regulation of PVN melanocortin 4 receptor levels in female offspring of obese rats

Aron Weller[1,2], Tzlil Tabachnik[3,2], Tatiana Kisliouk[4], Asaf Marco[3,2], Noam Meiri[4]

[1]Department of Psychology, Bar-Ilan University,; [2]Gonda Brain Research Center, Bar Ilan University, Israel; [3]Faculty of Life Sciences,Bar Ilan University; [4]Institute of Animal Science, ARO, The Volcani Center, Israel

E-mail address: aron.weller@biu.ac.il

In vitro and in vivo evidence for influences of corticotropin-releasing hormone haplotypes on stress responses

Ting Li-Tempel[1], Tobias Suer[1], Tobias Tempel[2], Mauro F. Larra[3], Ulrike Winnikes[1], Hartmut Schächinger[3], Jobst Meyer[1], Andrea Schote-Frese[1]

[1]Institute of Psychobiology, Department of Neurobehavioral Genetics, University of Trier, Trier, Germany; [2]Department of Psychology, University of Trier, Trier, Germany; [3]Institute of Psychobiology, Division of Clinical Psychophysiology, University of Trier, Trier, Germany

E-mail address: schotefrese@uni-trier.de

Symposium 4

Consequences of early life stress on the developing brain – new insights from prospective longitudinal studies of pre- and postnatal stress exposure

Chairs: Claudia Buss, Christine Heim

Location: KOL-F-118

Sex Specific Effects of Maternal Cortisol Concentrations During Pregnancy on the Functional Connectivity of the Newborn Limbic System

Alice Graham[1], Jerod Rasmussen[2], Sonja Entringer[2,3], Marc Rudolph[1], Martin Styner[4], John Gilmore[4], Steven Potkin[2], Pathik Wadhwa[2], Damien Fair[1], Claudia Buss[2,3]

[1]Oregon Health & Science University, United States of America; [2]University of California, Irvine; [3]Charité University of Medicine; [4]University of North Carolina

E-mail address: grahaal@ohsu.edu

Maternal Cortisol During Gestation and Sex Specific Prenatal Programming of Stress Brain Circuitry Examined Using Diffusion Tensor Imaging

Jerod Michael Rasmussen[1], Sonja Entringer[1,2], Martin Styner[3], John H. Gilmore[3], Alice Graham[4], Damien Fair[4], Steven G. Potkin[1], Pathik Wadhwa[1], Claudia Buss[1,2]

[1]University of California Irvine, United States of America; [2]Charité University Medicine Berlin, Germany; [3]University of North Carolina at Chapel Hill, United States of America; [4]Oregon Health and Science University, United States of America

E-mail address: rasmussj@uci.edu

Immediate Biological Embedding of Maltreatment in Children: Berlin Longitudinal Children Study (BerlinLCS)

Judith Overfeld[1], Karin de Punder[1], Gergana Karaboycheva[1], Peggy Doerr[1], Katja Dittrich[1], Elisabeth Binder[3], Claudia Buss[1], Sibylle Winter[1], Christine Heim[1,2]

[1]Charité Universitätsmedizin Berlin, Berlin, Germany; [2]Department of Biobehavioral Health, College of Health & Human Development, Pennsylvania State University, University Park, PA, USA; [3] Max Planck Institute of Psychiatry, Munich, Germany

E-mail address: christine.heim@charite.de

Altered HPA axis regulation in young adults exposed to early institutional deprivation

Robert Kumsta[1], Wolff Schlotz[2], Dirk Moser[1], Dennis Golm[3], Mark Kennedy[3], Jana Kreppner[3], Barbara Maughan[4], Michael Rutter[4], Edmund Sonuga-Barke[5]

[1]Ruhr-University Bochum, Germany; [2]Max Planck Institute for Empirical Aesthetics, Frankfurt, Germany; [3]Department of Psychology, University of Southampton, UK; [4]SGDP Centre, Institute of Psychiatry, King´s College London, UK; [5]Department of Child & Adolescent Psychiatry, Institute of Psychiatry, King´s College London, UK

E-mail address: robert.kumsta@rub.de

The Origins of Cognitive Deficits in Victimized Children

Andrea Danese

King's College London, United Kingdom

E-mail address: andrea.danese@kcl.ac.uk

FRIDAY, SEPTEMBER 8, 2017, 10:30AM – 12:00PM

Symposium 5

How attachment, anxiety and context influence the effects of oxytocin on social cognition and social behavior
Chair: Wolf-Gero Lange
Location: KO2-F-174

Mistakes that matter: Oxytocin affects social performance monitoring

Sina Radke[1], Margit Ruissen[2], Ellen de Bruijn[2]
[1]Uniklinik RWTH Aachen, Germany; [2]Leiden University, The Netherlands
E-mail address: sradke@ukaachen.de

The role of oxytocin in human social memory formation

Ullrich Wagner, Gerald Echterhoff
University of Münster, Germany
E-mail address: ullrich.wagner@uni-muenster.de

Social emotional leaning and behavioral tendencies in high and low socially anxious men and women

Katja Bertsch[1], Inge Volman[2], Karen Roelofs[3], Sabine C. Herpertz[1], Laura E. Müller[1]
[1]Heidelberg University, Germany; [2]UCL Institute of Neurology, London, United Kingdom of Great Britain and Northern Ireland; [3]Donders Institute for Brain, Cognition and Behaviour, Nijmegen, the Netherlands
E-mail address: katja.bertsch@med.uni-heidelberg.de

Virtually Anxious: Oxytocin, Social Anxiety and Interpersonal Space

Wolf-Gero Lange[1,2], Eni S. Becker[1,2], Karin Roelofs[1,3], Markus Heinrichs[4]
[1]Behavioural Science Institute, Radboud University Nijmegen, The Netherlands; [2]Dept. Clinical Psychology, Radboud University Nijmegen, The Netherlands; [3]Donders Institute for Brain Cognition and Behaviour, Nijmegen, The Netherlands; [4]Dept. Biological and Differential Psychology, Albert-Ludwigs-University, Freiburg, Germany
E-mail address: g.lange@psych.ru.nl

Do depressive symptoms moderate social buffering of the HPA and oxytocin systems in children and adolescents? A comparison of parent vs. peer buffering

Jenalee R. Doom[1], Colleen M. Doyle[2], Megan R. Gunnar[2]
[1]University of Michigan, United States of America; [2]University of Minnesota, United States of America
E-mail address: jrdoom@umich.edu

Symposium 6

Proceedings in ambulant corticosteroid assessment: relevance & opportunities
Chair: Victor Kallen
Location: KO2-F-175

Salivary cortisol, Alzheimer's disease biomarkers and cognition among memory clinic patients

Shireen Sindi[1], Jasper Holleman[1], Sofia Enstedt[1], Ingemar Kåreholt[1,2], Miia Kivipelto[1,3,4], Alina Solomon[1,3,4]
[1]Karolinska Institutet, Department of Neurobiology, Care Sciences and Society, Stockholm, Sweden; [2]Institute of Gerontology, School of Health and Welfare, Aging Research Network – Jönköping (ARN-J), Jönköping University, Jönköping, Sweden; [3]Institute of Clinical Medicine, Neurology, University of Eastern Finland, Kuopio, Finland; [4]Department of Geriatrics, Karolinska University Hospital, Huddinge, Sweden
E-mail address: shireen.sindi@ki.se

Developmental aspects of HPA-axis activity and Automomic Nervous System activit in relation to juvenile antisocial behaviour

Arne Popma, Lucres Nauta-Jansen, Helena Oldenhof
VUmc/De Bascule, The Netherlands
E-mail address: a.popma@vumc.nl

Ambulatory measurement of endocrine parameters: where do we stand, and which way to follow?

Koen Hogenelst, Marieke Soeter, Victor Kallen
TNO, Dutch Applied Research Organisation, The Netherlands
E-mail address: koen.hogenelst@tno.nl

Applying corticosteroid assessments to screen for adverse neuropsychological development

Victor Kallen, Koen Hogenelst, Marieke Soeter, Marjan van Erk
TNO The Netherlands Organization for Applied Sciences, The Netherlands
E-mail address: victor.kallen@tno.nl

Symposium 7
Stress and cellular aging
Chair: Sonja Entringer
Location: KOL-E-18

Characterization of in vitro leukocyte maximal telomerase activity capacity (mTAC) as a stress-related measure for human studies

Karin de Punder[1], Christine Heim[1,2], Ingo Przesdzing[3], Pathik D. Wadhwa[4], Sonja Entringer[1,4]
[1]Charité – Universitätsmedizin Berlin, corporate member of Freie Universität Berlin, Humboldt-Universität zu Berlin, and Berlin Institute of Health (BIH), Institute of Medical Psychology, Berlin, Germany; [2]Department of Biobehavioral Health, College of Health and Human Development, Pennsylvania State University, Pennsylvania, USA; [3]Charité – Universitätsmedizin Berlin, corporate member of Freie Universität Berlin, Humboldt-Universität zu Berlin, and Berlin Institute of Health (BIH), Department of Experimental Neurology and Center for Stroke Research Berlin (CSB), Berlin, Germany; [4]Development, Health and Disease Research Program, University of California, Irvine, School of Medicine, Irvine, CA, USA
E-mail address: karin.de-punder@charite.de

Life stress and epigenetic aging

Anthony Zannas
Max Planck Institute of Psychiatry, Germany
E-mail address: aszannas@gmail.com

Aerobic training increases telomere length in family caregivers: A randomized trial

Eli Puterman
University of British Columbia, Canada
E-mail address: eli.puterman@ubc.ca

Epigenetic clock at birth and psychiatric problems during early childhood

Anna Suarez[1], Jari Lahti[1], Darina Czamara[2], Marius Lahti[1], Anna K. Knight[3], Polina Girchenko[1], Esa Hämäläinen[4,5], Eero Kajantie[5,6,7], Hannele Laivuori[1,5,8], Pia M. Villa[1,5], Rebecca M. Reynolds[9], Alicia K. Smith[10], Elisabeth B. Binder[2,10], Katri Räikkönen[1]
[1]University of Helsinki, Finland; [2]Max-Planck Institute of Psychiatry,Germany; [3]Genetics and Molecular Biology Program, Emory University, USA; [4]HUSLAB, Finland; [5]Helsinki University Central Hospital, Finland; [6]Oulu University Hospital and University of Oulu, Finland; [7]National Institute for Health and Welfare, Finland; [8]Institute for Molecular Medicine, Finland; [9]British Heart Foundation Centre for Cardiovascular Science, Queen's Medical Research Institute, University of Edinburgh, UK; [10]Emory University School of Medicine, USA
E-mail address: anna.suarez@helsinki.fi

Epigenetic age acceleration in outpatients with common mental disorders and its relation to stress

Gunther Meinlschmidt[1,2], Eva Unternaehrer[3], Kieran O'Donnell[4,5], Dominic Vogt[6], Michael S. Kobor[7,8], Julia L. MacIsaac[7], Lisa M. McEwen[7], Michael J. Meaney[3,9], Dirk H. Hellhammer[6,10]

[1]Division of Clinical Psychology and Epidemiology, Department of Psychology, University of Basel, Switzerland; [2]Faculty of Medicine, Ruhr-University Bochum, Germany; [3]Ludmer Centre for Neuroinformatics and Mental Health, Department of Psychiatry, McGill University, Montreal, Canada; [4]Douglas Hospital Research Centre, McGill University, Montreal, Canada; [5]Canadian Institute For Advanced Research, Child and Brain Development Program, Ontario, Canada; [6]Department of Clinical and Physiological Psychology, University of Trier, Trier, Germany; [7]Department of Medical Genetics, Centre for Molecular Medicine & Therapeutics, British Columbia Children's Hospital Research Institute, University of British Columbia, Vancouver, British Columbia, Canada; [8]Human Early Learning Partnership, University of British Columbia, Vancouver, British Columbia, Canada; [9]Sackler Program for Epigenetics and Psychobiology, McGill University, Montreal, Canada; [10]Institute for Stress-Medicine, Trier, Germany

E-mail address: gunther.meinlschmidt@unibas.ch

Symposium 8

Neuropeptides in the CNS: Regulation of chemosensory perception, food intake and metabolism

Chair: Ursula Stockhorst

Location: KOL-E-21

Targeting the brain through the nose: effects of an intranasal insulin application on human chemosensory perception and memory processes

Jessica Freiherr

RWTH Aachen University, Germany

E-mail address: jfreiherr@ukaachen.de

Effects of nutrient-specific food intake on olfactory and gustatory perception and of intranasal insulin on nutrient intake

Ursula Stockhorst

Institute of Psychology, University of Osnabrück, Germany

E-mail address: ursula.stockhorst@uni-osnabrueck.de

Oxytocin and insulin in the regulation of eating behavior and metabolism

Manfred Hallschmid[1,2,3]

[1]University of Tuebingen, Germany; [2]German Center for Diabetes Research (DZD), Tuebingen, Germany; [3]Institute for Diabetes Research and Metabolic Diseases of the Helmholtz Center Munich at the Eberhard Karls University Tuebingen, Germany

E-mail address: manfred.hallschmid@uni-tuebingen.de

Eating behavior and associated brain networks: Role of glucagon-like peptide 1 (GLP-1) and leptin in healthy individuals and patients

Annette Horstmann[1,2], Haiko Schlögl[2,3], Konstanze Miehle[3], Karsten Müller[1], Arno Villringer[1,2], Michael Stumvoll[2,3], Mathias Faßhauer[2,3]

[1]Max Planck Institute for Human Cognitive and Brain Sciences, Germany; [2]IFB AdiposityDiseases, University of Leipzig, Germany; [3]Department of Medicine, University Hospital Leipzig, Leipzig, Germany

E-mail address: horstmann@cbs.mpg.de

FRIDAY, SEPTEMBER 8, 2017, 3:30PM – 5:00PM

Symposium 9

Social Functioning & emotional wellbeing – sex hormones and neuropeptides as contributors to intra- and interindividual variation

Chairs: Christine Anderl, Frances Chen

Location: KO2-F-174

The effects of social exclusion on wellbeing, hormone levels and brain activation

Sina Radke[1], Eva-Maria Seidel[2], Roland Boubela[3], Hanna Thaler[2], Hannah Metzler[2], Ilse Kryspin-Exner[2], Ewald Moser[3], Ute Habel[1], Birgit Derntl[4]

[1]Uniklinik RWTH Aachen, Germany; [2]University of Vienna, Austria; [3]Medical University of Vienna, Austria; [4]University of Tübingen, Germany

E-mail address: sradke@ukaachen.de

Effects of intranasal oxytocin and early life stress on neural correlates of caregiving and social sensitivity

Estrella Montoya, Hannah Spencer, Peter Bos

Utrecht University, The Netherlands

E-mail address: e.r.montoya@uu.nl

Testosterone and androgen receptor gene polymorphism are associated with competitiveness in men

Robert Kumsta[1], Christoph Eisenegger[2], Michael Naef[3], Markus Heinrichs[4]

[1]Ruhr-University Bochum, Germany; [2]University of Vienna, Austria; [3]Department of Economics, Royal Holloway, University of London; [4]University of Freiburg, Germany

E-mail address: robert.kumsta@rub.de

Hormonal contraceptive use and risk for mood and anxiety disorders – evidence from two large epidemiological datasets

Christine Anderl, Frances S. Chen

University of British Columbia, Canada

E-mail address: anderl@psych.ubc.ca

Reactive aggression tracks within-participant changes in women's salivary testosterone

Fabian Probst[1,2], Jessika Golle[3], Vanda Lory[1], Janek S. Lobmaier[1]

[1]Institute of Psychology, University of Bern, Switzerland; [2]Kinder- und Jugendpsychiatrie Graubünden, Switzerland; [3]Hector Research Institute of Education Sciences and Psychology, University of Tübingen, Gemany

E-mail address: fabianprobst@bluewin.ch

Symposium 10

The Swiss Preschoolers' Health Study (SPLASHY): A prospective multi-site cohort study assessing the impact of stress and physical activity on psychological and physical health

Chairs: Jardena Puder, Simone Munsch, Oskar G. Jenni

Location: KO2-F-175

The relationship of physiological stress measures, behavioral problems and body composition in preschool children

Nadine Messerli-Bürgy[1], Amar Arhab[2], Kerstin Stülb[1], Tanja H. Kakebeeke[3], Annina E. Zysset[3], Claudia S. Leeger-Aschmann[4], Einat A. Schmutz[4], Andrea H. Meyer[5], Ulrike Ehlert[4], Susi Kriemler[4], Oskar G. Jenni[3], Simone Munsch[1], Jardena J. Puder[2]

[1]University of Fribourg, Switzerland; [2]Centre Hospitalier Universitaire Vaudois (CHUV), Switzerland; [3]University Children's Hospital Zurich, Switzerland; [4]University of Zurich, Switzerland; [5]University of Basel, Switzerland

E-mail address: nadine.messerli@unifr.ch

Associations between Physical Activity and Psychological Health in Swiss Preschool Children

Einat A. Schmutz[1], L. Sägesser[1], Claudia Leeger-Aschmann[1], Tanja Heleen Kakebeeke[2,7], Annina E. Zysset[2], Nadine Messerli-Bürgi[3,5], Andrea H. Meyer[4], Kerstin Stülb[3], Amar Arhab[5], Jardena J. Puder[5,6], Simone Munsch[3], Oskar G. Jenni[2,7], Susi Kriemler[1]

[1]Epidemiology, Biostatistics and Prevention Institute, University of Zurich, Zurich, Switzerland; [2]Child Development Centre, University Children's Hospital Zurich, Switzerland; [3]Department of Clinical Psychology and Psychotherapy, University of Fribourg, Switzerland; [4]Department of Psychology, University of Basel, Switzerland; [5]Endocrinology, Diabetes and Metabolism Service, Centre Hospitalier Universitaire Vaudoise, Switzerland; [6]Division of Pediatric Endocrinology, Diabetology and Obesity, Centre Hospitalier Universitaire Vaudois (CHUV), Lausanne, Switzerland; [7]Children's Research Center, University Children's Hospital Zurich, Switzerland

E-mail address: susi.kriemlerwiget@uzh.ch

Physiological stress response to an age-adapted stress task in preschoolers and its potential determinants

Kerstin Stülb[1], Nadine Messerli-Bürgy[1,2,3], Tanja H. Kakebeeke[4], Amar Arhab[3], Annina E. Zysset[4], Claudia S. Leeger-Aschmann[6], Einat A. Schmutz[6], Andrea H. Meyer[7], David Garcia-Burgos[1], Susi Kriemler[6], Oskar G. Jenni[4,5], Jardena J. Puder[3,8], Simone Munsch[1]

[1]Department of Clinical Psychology and Psychotherapy, University of Fribourg, Rue P.A. de Faucigny 2, 1700 Fribourg, Switzerland; [2]Institute for Family Research and Counseling, University of Fribourg, Rue P.A. de Faucigny 2, 1700 Fribourg, Switzerland; [3]Endocrinology, Diabetes & Metabolism Service, Centre Hospitalier Universitaire Vaudois (CHUV), Avenue Pierre Decker 2, 1011 Lausanne, Switzerland; [4]Child Development Center, University Children's Hospital Zurich, Steinwiesstrasse 75, 8032 Zurich, Switzerland; [5]Children's Research Center, University Children's Hospital Zurich, Steinwiesstrasse 75, 8032 Zurich, Switzerland; [6]Epidemiology, Biostatistics and Prevention Institute, University of Zurich, Hirschengraben 84, 8001 Zurich, Switzerland; [7]Department for Psychology, University of Basel, Missionsstrasse 62A, 4055 Basel, Switzerland; [8]Division of Pediatric Endocrinology, Diabetology and Obesity, Centre Hospitalier Universitaire Vaudois (CHUV), Rue du Bugnon 46 , 1011 Lausanne, Switzerland

E-mail address: kerstin.stuelb@unifr.ch

Associated movements and inhibitory control in children between 2 and 6 years are related

Tanja Heleen Kakebeeke[1,7], Nadine Messerli-Bürgi[2,5], Andrea H. Meyer[3], Annina E. Zysset[1], Kerstin Stülb[2], Claudia Leeger-Aschmann[4], Einat A. Schmutz[4], Amar Arhab[5], Jardena J. Puder[2,6], Susi Kriemler[4], Simone Munsch[2], Oskar G. Jenni[1,7]

[1]Child Development Centre, University Children's Hospital Zurich, Switzerland; [2]Department of Clinical Psychology and Psychotherapy, University of Fribourg, Switzerland; [3]Department of Psychology, University of Basel, Switzerland; [4]Epidemiology, Biostatistics and Prevention Institute, University of Zurich, Zürich; [5]Endocrinology, Diabetes and Metabolism Service, Centre Hospitalier Universitaire Vaudoise, Switzerland; [6]Division of Pediatric Endocrinology, Diabetology and Obesity, Centre Hospitalier Universitaire Vaudois (CHUV), Lausanne; [7]Children's Research Center, University Children's Hospital Zurich, Switzerland

E-mail address: tanja.kakebeeke@kispi.uzh.ch

Symposium 11
The allostatic load concept in psychiatry
Chair: Zoltan Sarnyai
Location: KOL-E-18

Measuring allostatic load to monitor mental illness and multimorbidity
Robert-Paul Juster
Columbia University, United States of America
E-mail address: rpj2108@cumc.columbia.edu

Allostatic load and symptom dimensions in mood and psychotic disorders
Maximus Berger
James Cook University, Australia
E-mail address: maximus.berger@jcu.edu.au

Allostatic Load in the Dysfunctional System – Brain Relationship in Schizophrenia
Elliot Hong
University of Maryland Baltimore, Department of Psychiatry, United States of America
E-mail address: ehong@mprc.umaryland.edu

Allostatic Load: Reward Deficiency and Anti-Reward Processes in Pain and in Addictive Disorders
Igor Elman
Wright State University, United States of America
E-mail address: igor.elman@wright.edu

Symposium 12
Novel immune targets in depression
Chair: Anilkumar Pillai
Location: KOL-E-21

New Targets in Depression: A view from the Immune-to-Brain Communication Pathways
Robert Dantzer
University of Texas MD Anderson Cancer Center, United States of America
E-mail address: rdantzer@mdanderson.org

A complex epigenetic switching is critical for TNF-α upregulation in prefrontal cortex of suicide subjects
Yogesh Dwivedi
University of Alabama at Birmingham, United States of America
E-mail address: ydwivedi@uab.edu

Complement component 3 in PFC mediates depressive-like behavior
Amanda Crider[1], Chirayu Pandya[1], Talisha Davis[1], Anthony Ahmed[2], Gustavo Turecki[3], Anilkumar Pillai[1]
[1]Department of Psychiatry and Health Behavior, Medical College of Georgia, Augusta University, Augusta, GA, USA; [2]Department of Psychiatry, Weill Cornell Medical College, NY, USA; [3]Douglas Mental Health University Institute, McGill University, Montreal, Quebec, Canada
E-mail address: apillai@augusta.edu

Epigenetic Signatures of Early Life Adversities and the risk for psychopathology

Marco Andrea Riva
University of Milan, Italy
E-mail address: m.riva@unimi.it

Childhood Victimization and Inflammation in Young Adulthood: A Genetically Sensitive Cohort Study

Jessie R. Baldwin[1], Louise Arseneault[1], Andrea Danese[1,2,3]
[1]Social, Genetic and Developmental Psychiatry Centre, King's College London, London, UK; [2]Department of Child and Adolescent Psychiatry, Institute of Psychiatry, Psychology and Neuroscience, King's College London, London, UK; [3]National and Specialist CAMHS Trauma and Anxiety Clinic, South London and Maudsley NHS Foundation Trust, London, UK
E-mail address: jessie.baldwin@kcl.ac.uk

FRIDAY, SEPTEMBER 8, 2017, 5:05PM – 6:35PM

Symposium 13
Interactions between sex steroids and stress across the lifespan
Chair: Gretchen N. Neigh
Location: KO2-F-174

Sex-specific epigenetic programming by gestational stress

Tracy L. Bale
University of Pennsylvania, United States of America
E-mail address: tbale@vet.upenn.edu

Chronic adolescent stress impairs memory and exaggerates hippocampal inflammatory gene expression in adult female rats

Gretchen N. Neigh[1,2], Molly H. Hyer[1], Mandakh Bekhbat[2]
[1]Virginia Commonwealth University, United States of America; [2]Emory University
E-mail address: gretchen.mccandless@vcuhealth.org

Traumatic stress and estradiol effects on fear neurobiology and psychopathology

Tanja Jovanovic
Emory University, United States of America
E-mail address: tjovano@emory.edu

How the Past Catches Up With You: Childhood Adversity and Changes in Cognition and Mood Across the Menopause Transition

C. Neill Epperson
Penn PROMOTES Research on Sex and Gender in Health, United States of America
E-mail address: cepp@mail.med.upenn.edu

Testosterone-Cortisol Dissociation in Children Exposed to Prenatal Maternal Stress, and Relationship with Aggression: Project Ice Storm

Suzanne King[1,2], Tuong-Vi Nguyen[1], Sherri Lee Jones[1,2], Guillaume Elgbeili[2], Patricia Monnier[1], Chunbo Yu[3], David P. Laplante[2]
[1]McGill University, Canada; [2]Douglas Mental Health University Institute, Canada; [3]Government of Alberta, Canada
E-mail address: suzanne.king@mcgill.ca

Symposium 14

Sexual behaviors and biological mechanisms
Chairs: Jussi Jokinen, Robert-Paul Juster
Location: KO2-F-175

Gonads and strife: Sex hormones vary according to sexual orientation for women and stress indices for both sexes

Robert-Paul Juster[1], Daniel Almeida[2], Christopher Cardoso[3], Catherine Raymond[4], Philip Jai Johnson[1], James Pfaus[3], Adrianna Mendrek[6], Annie Duchesne[6], Jens C. Pruessner[2,7,8], Sonia Lupien[5]

[1]Dept. of Psychiatry, Columbia University, United States of America; [2]Dept. of Neurology and Neurosurgery, McGill University, Canada; [3]Dept. of Psychology, Concordia University, Canada; [4]Dept. of Neuroscience, Université de Montréal, Canada; [5]Dept. of Psychiatry, Université de Montréal, Canada; [6]Dept. of Psychology, Bishop's University, Canada; [7]Dept. of Psychiatry, McGill University, Canada; [8]Dept. of Psychology, McGill University, Canada

E-mail address: rpj2108@cumc.columbia.edu

Distractibility by sexual stimuli – a biological marker of hypersexuality?

Jana Strahler[1], Onno Kruse[1], Sina Wehrum-Osinsky[1], Tim Klucken[2], Rudolf Stark[1]

[1]Justus Liebig University Giessen, Germany; [2]University of Siegen, Germany

E-mail address: jana.strahler@psychol.uni-giessen.de

A methylome-wide study of hypersexual disorder: Identification of differential expression of micro RNA driven by epigenetic shifts involved in the oxytocin signaling pathway

Jussi Jokinen[1,3], Adrian Boström[2], Andreas Chatzittofis[3], Katarina Öberg[3], Stefan Arver[3], Helgi Schiöth[2]

[1]Umeå University, Sweden; [2]Uppsala University; [3]Karolinska Institutet

E-mail address: jussi.jokinen@ki.se

Testosterone, LH levels and methylation status in hypersexual men

Andreas Chatzittofis[1,2], Adrian Boström[3], Katarina Öberg[4], John Flanagan[4], Helgi Schiöth[3], Stefan Arver[4], Jussi Jokinen[1,5]

[1]Department of Clinical Neuroscience/Psychiatry, Karolinska Institutet, Sweden,; [2]University of Cyprus, Medical School, Cyprus; [3]Department of Neuroscience, Uppsala University, Uppsala, Sweden; [4]Department of Medicine, Karolinska Institutet, Karolinska University Hospital, Sweden; [5]Department of Clinical Sciences/Psychiatry, Umeå University, Umeå, Sweden

E-mail address: andreas.chatzittofis@ki.se

Symposium 15

Maternal and infant HPA axis functioning in prenatal and early life stress
Chair: Linnea Karlsson
Location: KOL-E-18

Stress and hair cortisol concentration in pregnant women

Paula Maarit Mustonen[1,2], Linnea Karlsson[1,2], Ana João Rodrigues[4], Noora Mikaela Scheinin[1,3], Susanna Kortesluoma[1], Bárbara Guimarães Salazar Coimbra[4], Nuno Jorge Carvalho de Sousa[4], Hasse Karlsson[1,3]

[1]FinnBrain Birth Cohort Study, Turku Brain and Mind Center, Institute of Clinical Medicine, University of Turku, Finland; [2]Department of Child Psychiatry, University of Turku and Turku University Hospital, Turku, Finland; [3]Department of Psychiatry, University of Turku and Turku University Hospital, Turku, Finland; [4]Neurosciences Research Domain, Life and Health Sciences Research Institute (ICVS), School of Medicine, University of Minho, Portugal

E-mail address: pmmust@utu.fi

Does infant sex moderate the association between breast milk cortisol concentration and maternal psychological distress?

Saara Nolvi[1], Henna-Maria Uusitupa[1], Anna Aatsinki[1], Noora Maria Scheinin[1], Linnea Karlsson[1,2], Hasse Karlsson[1,3]

[1]University of Turku, Institute of Clinical Medicine, Turku Brain and Mind Center, the FinnBrain Birth Cohort Study, Finland; [2]University of Turku and Turku University Hospital, Department of Child Psychiatry, Finland; [3]University of Turku and Turku University Hospital, Department of Psychiatry, Finland

E-mail address: saara.nolvi@utu.fi

Infant temperament and gut microbiota composition

Anna-Katariina Aatsinki[1], Henna-Maria Uusitupa[1], Saara Nolvi[1], Eveliina Munukka[4], Riikka Heikkilä[1], Hasse Karlsson[1,3], Linnea Karlsson[1,2]

[1]University of Turku, Institute of Clinical Medicine, Turku Brain and Mind Center, FinnBrain Birth Cohort Study; [2]University of Turku and Turku University Hospital, Department of Child Psychiatry; [3]University of Turku and Turku University Hospital, Department of Psychiatry; [4]University of Turku, Institute of Biomedicine

E-mail address: ankaaa@utu.fi

Maternal Prenatal Stress Predicts Altered HPA Axis Reactivity in Presence of Rhinovirus among 10-Week-Old Infants

Laura Susanna Korhonen[1,3], Susanna Kortesluoma[1,2], Henri Pesonen[1], Ville Peltola[1,3], Heikki Lukkarinen[1,3], Tytti Vuorinen[6], Linnea Karlsson[1,4], Hasse Karlsson[1,2,5]

[1]FinnBrain Birth Cohort Study, Department of Clinical Medicine, University of Turku, Turku, Finland; [2]Turku Brain and Mind Center, Department of Clinical Medicine, University of Turku; [3]Department of Pediatrics and Adolescent Medicine, Turku University Hospital, University of Turku; [4]Department of Child Psychiatry, Turku University Hospital, University of Turku; [5]Department of Psychiatry, Turku University Hospital, University of Turku; [6]Department of Clinical Virology, Turku University Hospital and Department of Virology, University of Turku

E-mail address: lasula@utu.fi

Breastfeeding - some regulating factors and some consequences

Wibke Jonas[1,2,6], Rossana Bisceglia[2], Viara Mileva[2], Aya Dundin[2], James Kennedy[3], Michael Meaney[4], Leslie Atkinson[5], Meir Steiner[6], Ashley Wazana[7], Alison Fleming[2]

[1]Department of Women's and Children's Health, Karolinska Institutet, Sweden; [2]Department of Psychology, University of Toronto, ON, Canada; [3]Centre for Addiction and Mental Health (CAMH), Toronto, ON, Canada; [4]Ludmer Centre for Neuroinformatics and Mental Health, Douglas Institute, McGill University, Montreal, QC, Canada; [5]Ryerson University, Toronto, ON, Canada; [6]Departments of Psychiatry & Behavioral Neurosciences and Obstetrics & Gynecology, McMaster University, Hamilton, ON, Canada (); [7]Department of Psychiatry, McGill University, Montreal, QC, Canada

E-mail address: wibke.jonas@ki.se

Symposium 16

Stress and emotional memories in humans: In search for neuroendocrine mechanisms and their neural correlates

Chairs: Oliver T. Wolf, Katja Wingenfeld

Location: KOL-E-21

Association between cortisol diurnal rhythm and emotional memory in healthy young volunteers

Mitsue Nagamine[1,4], Hiroko Noguchi[2], Nobuaki Takahashi[3], Yoshiharu Kim[4], Yutaka Matsuoka[5]

[1]Tokyo Institute of Technology, Japan; [2]Musashino University, Japan; [3]Bukkyo University, Japan; [4]National Center of Neurology and Psychiatry, Japan; [5]National Cancer Center, Japan

E-mail address: nagamine.mitsue@ila.titech.ac.jp

Consolidation and alteration of memories for stressful experiences in humans

Linda de Voogd

Donders Institute, The Netherlands

E-mail address: l.devoogd@donders.ru.nl

Effects of increased noradrenergic activity by yohimbine on learning and extinction in patients with major depression

Linn K. Kuehl, Christian E. Deuter, Christian Otte, Katja Wingenfeld
Charité Universitätsmedizin Berlin, Germany
E-mail address: linn.kuehl@charite.de

Effects of the suppression of the autonomic and endocrine stress systems on the reconsolidation of emotional memories: Sex and gender differences

Nida Ali[1] & Jens C. Pruessner[1,2]
[1]McGill University, Canada; [2]University of Constance, Constance, Germany

Opposing effects of cortisol on fear extinction and fear extinction recall: Evidence from two pharmacological fMRI studies

Christian J. Merz[1], Valerie Kinner[1], Andrea Hermann[2], Oliver T. Wolf[1]
[1]Ruhr-University Bochum, Germany; [2]Justus Liebig University Giessen, Germany
E-mail address: christian.j.merz@rub.de

SATURDAY, SEPTEMBER 9, 2017, 10:30AM – 12:00PM

Symposium 17
Organizational and activational hormone effects and the development and arousal of implicit motives throughout the lifespan
Chair: Martin G. Köllner
Location: KO2-F-174

Evidence for prenatal organizational effects of steroids on the motivational brain

Oliver C. Schultheiss
Friedrich-Alexander U, Germany
E-mail address: oliver.schultheiss@fau.de

The implicit power motive and the facial width-to-height ratio as possible marker of organizational hormone effects during puberty

Kevin T. Janson[1], Kira Bleck[1], Julia Fenkl[1], Lea T. Riegl[2], Franziska Jägel[3], Martin G. Köllner[1]
[1]Friedrich-Alexander University, Erlangen, Germany; [2]University of Freiburg, Freiburg, Germany; [3]University of Mannheim, Mannheim, Germany
E-mail address: kevin.janson@fau.de

Not just a game – examining the «Social Death Penalty» and its effects on affiliation motivation and hormonal parameters

Dorothea Lorenz, Helena Dlugasch, Oliver C. Schultheiss
Friedrich-Alexander-University, Erlangen, Germany
E-mail address: dorothea.lorenz@hotmail.de

The sociobiological development and arousal of implicit motives: The emergence of a growth-and-prune model of motive development and the continued linkage of hormones and motives throughout the life span

Martin G. Köllner, Kevin T. Janson
Friedrich-Alexander University, Germany
E-mail address: martin.koellner@fau.de

Symposium 18

Effects of acute stress on social cognition and behavior – from health to psychopathology
Chair: Bernadette von Dawans
Location: KO2-F-175

Effects of stress on in-group favoritism and out-group discrimination are moderated by self-control

Bastian Schiller, Bernadette von Dawans, Johanna Brustkern, Markus Heinrichs
Department of Psychology, Laboratory for Biological and Personality Psychology, University of Freiburg, Germany
E-mail address: bastian.schiller@psychologie.uni-freiburg.de

Effects of acute stress on neural indicators of empathy for pain

Livia Tomova[1], Jasminka Majdandžic[1], Alan Hummer[2], Christian Windischberger[2], Markus Heinrichs[3], Claus Lamm[1]
[1]University of Vienna, Austria; [2]Medical University of Vienna, Austria; [3]University of Freiburg, Germany
E-mail address: livia.tomova@univie.ac.at

Effects of social and non-social stress on social behavior in health and social anxiety disorder

Bernadette von Dawans[1], Amalie Trüg[1], Clemens Kirschbaum[2], Isabel Dziobek[3], Urs Fischbacher[4], Markus Heinrichs[1]
[1]Albert-Ludwigs-University of Freiburg, Germany; [2]TU Dresden, Germany; [3]Humboldt-Universität zu Berlin, Germany; [4]University of Konstanz, Germany
E-mail address: vondawans@psychologie.uni-freiburg.de

Effects of Stress on Empathy in Borderline Personality

Katja Wingenfeld, Stefan Roepke, Moritz Duesenberg, Christian Otte
Charité University Berlin, Germany
E-mail address: katja.wingenfeld@charite.de

Acute psychosocial stress and everyday moral decision-making in young healthy men: The impact of cortisol

Nina Singer[1], Monika Sommer[2], Katrin Döhnel[2], Sandra Zänkert[1], Stefan Wüst[1], Brigitte M. Kudielka[1]
[1]Department of Medical Psychology, Psychological Diagnostics and Research Methodology, University of Regensburg, Universitätsstrasse 31, 93053 Regensburg, Germany; [2]Department of Psychiatry and Psychotherapy, University of Regensburg, Universitätsstrasse 84, 93053 Regensburg, Germany
E-mail address brigitte.kudielka@ur.de

Symposium 19

The impact of prenatal and postnatal stress in childhood on hypothalamic-pituitary-adrenal function, proinflammatory markers, and mental health in adolescence and adulthood
Chair: Mark A. Ellenbogen
Location: KOL-E-18

A 10-year longitudinal study of cumulative stress in childhood, the cortisol response at awakening, and depressive symptoms in the offspring of parents with bipolar disorder

Mark A. Ellenbogen[1], Claire-Dominique Walker[2], Sheilagh Hodgins[3]
[1]Centre for Research in Human Development, Concordia University, Canada; [2]Douglas Mental Health University Institute and McGill University, Canada; [3]Department of Psychiatry, Université de Montréal, Canada
E-mail address: mark.ellenbogen@concordia.ca

Prenatal Maternal Stress Predicts Cortisol Stress Response and Child Behavior Problems at Ages 4 and 13: Project Ice Storm

Suzanne King[1,2], Erin Yong Ping[3], Guillaume Elgbeili[2], David P. Laplante[2]
[1]McGill University, Canada; [2]Douglas Mental Health University Institute, Canada; [3]Concordia University, Canada
E-mail address: suzanne.king@mcgill.ca

Interaction of Childhood Maltreatment and Polymorphisms of the FKBP5 Gene on the Cortisol Response to Stress in Adolescents

Raegan Mazurka[1], Katherine E. Wynne-Edwards[2], Kate L. Harkness[1]
[1]Queen's University, Canada; [2]University of Calgary, Canada
E-mail address: r.mazurka@queensu.ca

Childhood Maltreatment and Markers of Neuroinflammation Predict Response to Anti-Depressant Treatment in Adults with Major Depressive Disorder

Kate Leslie Harkness[1], Jane Foster[2], Madeline Li[2], Glenda MacQueen[3], Roumen Milev[1], Benicio Frey[4], Sidney Kennedy[2]
[1]Queen's University, Canada; [2]University Health Network, University of Toronto, Canada; [3]University of Calgary; [4]McMaster University
E-mail address: harkness@queensu.ca

Associations between antenatal glucocorticoid treatment and offspring early childhood developmental milestones

Elina Wolford[1], Marius Lahti[1], Soile Tuovinen[1], Jari Lahti[1], Kati Heinonen[1], Esa Hämäläinen[2], Eero Kajantie[3], Anu-Katriina Pesonen[1], Pia M. Villa[2], Hannele Laivuori[2], Rebecca M. Reynolds[4], Katri Räikkönen[1]
[1]University of Helsinki, Finland; [2]University of Helsinki and Helsinki University Hospital, Finland; [3]National Institute for Health and Welfare, Finland; [4]University of Edinburgh, UK; elina.wolford@helsinki.fi

---

Symposium 20
Mechanisms of physiological stress reactivity and subsequent processes
Chairs: Petra H. Wirtz, Jens C. Pruessner
Location: KOL-E-21

Suppressing the endocrine and autonomic stress systems does not impact the emotional stress experience after psychosocial stress

Nida Ali[1], Jonas P. Nitschke[1], Cory Cooperman[1], Jens C. Pruessner[1,2]
[1]McGill University, Canada; [2]University of Constance, Constance, Germany
E-mail address: nida.ali@mail.mcgill.ca

Mechanisms underlying acute stress induced increases in innate immune cell numbers include norepinephrine and alpha-adrenergic receptors

Petra H. Wirtz[1], Roland von Känel[2], Claudia Zuccarella-Hackl[2], Nadja Heimgartner[3], Ulrike Ehlert[3], Daniel Beis[1]
[1]University of Konstanz, Germany; [2]University of Bern, Switzerland; [3]University of Zurich, Switzerland
E-mail address: petra.wirtz@uni-konstanz.de

Mechanisms of habituation versus sensitization of inflammatory responses to repeated acute stress

Nicolas Rohleder, Johanna Janson, Sarah Sturmbauer
Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany
E-mail address: nicolas.rohleder@fau.de

Stigma, social support, and diurnal stress biomarkers among race/ethnic diverse gay and lesbian elders

Robert-Paul Juster, Walter Bockting
Columbia University, United States of America
E-mail address: rpj2108@cumc.columbia.edu

Relation of sleep disturbances to neuroendocrine and coagulation activity in patients with acute myocardial infarction

Roland von Känel[1,2,3], Mary Princip[1,2,4], Jean-Paul Schmid[5], Jürgen Barth[6], Hansjörg Znoj[7], Ulrich Schnyder[8], Rebecca E. Meister-Langraf[1,2,9]

[1]Department of Neurology, Inselspital, Bern University Hospital, and University of Bern, Switzerland; [2]Department of Clinical Research, University of Bern, Switzerland; [3]Department of Psychosomatic Medicine, Clinic Barmelweid, Switzerland; [4]Division of Cardiovascular Prevention, Rehabilitation and Sports Medicine, Department of Cardiology, Inselspital, Bern University Hospital, and University of Bern, Switzerland; [5]Department of Cardiology, Clinic Barmelweid, Switzerland; [6]Complementary and Integrative Medicine, University of Zurich, Zurich, Switzerland; [7]Department of Clinical Psychology and Psychotherapy, University of Bern, Switzerland; [8]Department of Psychiatry and Psychotherapy, Universiy Hospital Zurich, University of Zurich, Zurich, Switzerland; [9]Clienia Schlössli AG, Oetwil am See, Zurich, Switzerland;

E-mail address: roland.vonkaenel@barmelweid.ch

SATURDAY, SEPTEMBER 9, 2017, 2:30PM – 4:00PM

Symposium 21
Fitness, exercise and psychobiological stress responsivity
Chair: Jana Strahler
Location: KO2-F-174

Do children behave the way adults do when it comes to stress?

Flora Koutsandréou[1,2], Mirko Wegner[2], Henning Budde[1,3,4]

[1]Medical School Hamburg, Germany; [2]University of Bern, Switzerland; [3]Reykjavik University, Iceland; [4]Lithuanian Sport University, Lithuania

E-mail address: FloraKouts@gmail.com

Youth elite athletes' cortisol responses to a power vs. achievement stress in a rifle shooting experiment

Mirko Wegner, Denise Hofstetter, Pia Endtner, Rebecca Suter

University of Bern, Switzerland

E-mail address: mirko.wegner@ispw.unibe.ch

The influence of habitual and acute exercise on SNS and HPA axis responses to psychosocial stress – a randomized, controlled trial

Kathrin Wunsch[1], Ramona Wurst[1], Nadine Kasten[1], Bernadette von Dawans[2], Jana Strahler[3], Reinhard Fuchs[1]

[1]Department of Sport Science, Albert Ludwigs University Freiburg, Germany; [2]Department of Psychology, Albert Ludwigs University Freiburg, Germany; [3]Department of Psychotherapy and Systems Neuroscience, Justus Liebig University Giessen, Germany

E-mail address: kathrin.wunsch@sport.uni-freiburg.de

Active coping during competition and regular exercise: Impact on psychobiological stress responses

Jana Strahler[1], Urs M. Nater[2], Alexander Haussmann[3]

[1]Justus Liebig University Giessen, Germany; [2]Philipps University Marburg, Germany; [3]German Cancer Research Center Heidelberg, Germany

E-mail address: jana.strahler@psychol.uni-giessen.de

Fitter women do not have attenuated hemodynamic responses to psychological stress

Sisitha Jayasinghe[1,2], Susan Torres[1], Mais Hussain[1], Steve Fraser[1], Gavin Lambert[3,4], Anne Turner[1]

[1]Institute for Physical Activity and Nutrition, School of Exercise and Nutrition Sciences, Deakin University, Geelong, VIC, Australia.; [2]Biomedical Sciences, College of Veterinary Medicine, Cornell University, Ithaca, NY, USA.; [3]Baker IDI Heart and Diabetes Institute,Melbourne, VIC, Australia.; [4]Central Clinical School, Monash University, Melbourne, VIC, Australia.

E-mail address: sisitha.jay@gmail.com

Symposium 22
Animal models of prenatal and adolescent stress
Chair: Agnete Overgaard
Location: KO2-F-175

Brain serotonin receptor 4 is decreased after paroxetine treatment in a rat model of perinatal depression

Agnete Overgaard[1], Beatriche L. E. Henriksen[1], Liisa A. M. Galea[2], Vibe G. Frokjaer[1,3]
[1]Copenhagen University Hospital, Rigshospitalet, Denmark; [2]Deptartment of Psychology, University of British Columbia, Canada; [3]Mental Health Services, Copenhagen, Denmark
E-mail address: agnete.overgaard@nru.dk

Constitutive serotonin transporter deficiency resembles maternal separation with regard to hippocampal-prefrontal gene expression

Erika Comasco[1], Dick Schijven[1], Hanne de Maeyer[1], Maria Vrettou[1], Ingrid Nylander[1], Inger Sundström-Poromaa[1], Jocelien Olivier[2]
[1]Uppsala University, Sweden; [2]University of Groningen, The Netherlands
E-mail address: erika.comasco@neuro.uu.se

Early restoration of gut barrier function abrogates the long-term neurobehavioral effects of early-life stress in rats

Marion Rincel[1], Amandine Minni[1], Maïwenn Olier[2], Camille Monchaux de Oliveira[1], Yann Matime[1], Julie Thomas[1], Eric Gauthier[2], Isabelle Grit[3], Anna-Maria Costa[1], Amandine Lépinay[1], Sophie Layé[1], Laurent Ferrier[2], Patricia Parnet[3], Vassilia Théodorou[2], Muriel Darnaudéry[1]
[1]Laboratoire NutriNeurO, Université de Bordeaux, INRA UMR 1286, Bordeaux, France; [2]Laboratoire Toxalim, Université Toulouse III (UPS), INP-EI-Purpan, INRA UMR 1331, Toulouse, France; [3]Institut des maladies de l'appareil digestif, PhAN, INRA UMR 1280, Université de Nantes, Nantes, France
E-mail address: marion.rincel@inra.fr

Glucocorticoid Receptor Inhibition Prevents Lasting Endocrine but not Behavioral Effects of Adolescent Stress

Evelin M. Cotella, Rachel L. Morano, Aynara C. Wulsin, Susan E. Martelle, James P. Herman
Department of Psychiatry and Behavioral Neuroscience, UC Neurobiology Research Center, University of Cincinnati, OH, USA
E-mail address: cotellem@ucmail.uc.edu

Symposium 23

Genetic approaches to psychobiological stress research in humans
Chairs: Stefan Wüst, Robert Kumsta
Location: KOL-E-18

Heritability of Hair Cortisol and Genetic Overlap with Psychological Variables

Fabian Streit[1], Liz Rietschel[2], Gu Zhu[3], Kerrie McAloney[3], Josef Frank[1], Baptiste Couvy-Duchesne[3,4], Stephanie H. Witt[1], Tina Binz[5], CORtisolNETwork (CORNET) Consortium, Major Depressive Disorder Working Group of the Psychiatric GWAS Consortium, John McGrath[4,6,7], Ian B. Hickie[8], Narelle K. Hansell[4], Margaret J. Wright[4,9], Nathan Gillespie[3,10], Andreas J. Forstner[11,12,13,14], Thomas G. Schulze[11,15,16,17,18], Stefan Wüst[1,19], Markus M. Nöthen[11,12], Markus Baumgartner[5], Brian R. Walker[20], Andrew A. Crawford[20,21], Lucia Colodro Conde[3], Sarah E. Medland[3], Nicholas G. Martin[3], Marcella Rietschel[1]

[1]Department of Genetic Epidemiology in Psychiatry, Central Institute of Mental Health, Medical Faculty Mannheim, University of Heidelberg, Mannheim, Germany; [2]University Hospital of Child and Adolescent Psychiatry and Psychotherapy, Research Department, University of Bern, Bern, Switzerland; [3]Genetics & Computational Biology Department, QIMR Berghofer Medical Research, Brisbane, Australia; [4]Queensland Brain Institute, University of Queensland, Brisbane, Australia; [5]Institute of Forensic Medicine, Centre for Forensic Hair Analysis, University of Zurich, Zurich, Switzerland; [6]Queensland Centre for Mental Health Research, The Park Centre for Mental Health, Wacol, Australia; [7]National Centre for Register-Based Research, Aarhus University, Aarhus, Denmark; [8]Brain and Mind Centre, University of Sydney, Sydney, AU; [9]Centre for Advanced Imaging, University of Queensland, Brisbane, Australia; [10]Virginia Institute for Psychiatric and Behavioral Genetics, Virginia Commonwealth University, Richmond, VA, USA.; [11]Institute of Human Genetics, University of Bonn, Bonn, Germany; [12]Life&Brain Center, Department of Genomics, University of Bonn, Bonn, Germany; [13]Department of Psychiatry (UPK), University of Basel, Basel, Switzerland; [14]Human Genomics Research Group, Department of Biomedicine, University of Basel, Basel, Switzerland; [15]Department of Psychiatry and Behavioral Sciences, Johns Hopkins University, Baltimore, US; [16]Institute of Psychiatric Phenomics and Genomics (IPPG), Medical Center of the University of Munich, Campus Innenstadt, Munich, DE; [17]Human Genetics Branch, NIMH Division of Intramural Research Programs, Bethesda, US; [18]Department of Psychiatry and Psychotherapy, University Medical Center Göttingen, Goettingen, DE; [19]Institute of Experimental Psychology, University of Regensburg, Germany; [20]British Heart Foundation Centre for Cardiovascular Science, Queen's Medical Research Institute, University of Edinburgh, Edinburgh, UK; [21]Medical Research Council Integrative Epidemiology Unit, School of Social and Community Medicine, University of Bristol, Bristol, United Kingdom
E-mail address: liz.rietschel@kjp.unibe.ch

Examination of immediate gene-environment interplay by means of experience sampling

Robert Kumsta[1], Maurizio Sicorello[1], Maike Luhmann[1], Wolff Schlotz[2]

[1]Ruhr-University Bochum, Germany; [2]Max Planck Institute for Empirical Aesthetics
E-mail address: robert.kumsta@rub.de

The brain neuropeptide S system as modulator of central stress regulation – insights from human genetic studies

Stefan Wüst[1], Fabian Streit[2]

[1]University of Regensburg, Germany; [2]Central Institute of Mental Health, Mannheim, Germany
E-mail address: stefan.wuest@ur.de

Lower glucocorticoid receptor gene expression and glucocorticoid receptor variants are associated with cocaine use and addiction

Andrea B. Schote[1], Kristina Jäger[1], Sara L. Kroll[2], Matthias Vonmoos[2], Lea M. Hulka[2], Katrin H. Preller[2], Jobst Meyer[1], Edna Gruenblatt[3,4], Boris Quednow[2,4]

[1]Department of Neurobehavioral Genetics, Institute of Psychobiology, University of Trier, Trier, Germany; [2]Experimental and Clinical Pharmacopsychology, Department of Psychiatry, Psychotherapy, and Psychosomatics, Psychiatric Hospital, University of Zurich, Zurich, Switzerland; [3]University Clinic for Child and Adolescent Psychiatry, University of Zurich, Switzerland; [4]Neuroscience Center Zurich, University and ETH Zurich, Switzerland
E-mail address: schotefrese@uni-trier.de

Symposium 24

Neuroendocrine, genetic and epigenetic factors of fear
Chairs: Inga D. Neumann, Carsten T. Wotjak
Location: KOL-E-21

Septal HDAC1 regulates social fear in mice

Rohit Menon, Inga Neumann
Department of Behavioiral and Molecular Neurobiology, University of Regensburg, Germany
E-mail address: Rohit.Menon@ur.de

Role of (epi)genetic mechanisms in enhancing fear inhibitory function

Nicolas Singewald, V. Maurer, M. Oberhauser, A. Wille, A. Lusser, S. B. Sartori, A. Sah, R. Gstir, A. Hüttenhofer, F. Sananbenesi, A. Fischer, T. Bredy, N. Whittle, C. Murphy
Univ Innsbruck, Austria, Department of Pharmacology and Toxicology, Institute of Pharmacy and CMBI
E-mail address: nicolas.singewald@uibk.ac.at

Role of endocannabinoids in innate fear

Carsten T. Wotjak
Max-Planck Institute for Psychiatry, Munich
E-mail address: wotjak@psych.mpg.de

Hormonal influences on memory dimensions of Post Traumatic Stress Disorder

Brian George Dias
Yerkes National Primate Research Center, Department of Psychiatry & Behavioral Sciences, Emory University School of Medicine, United States of America
E-mail address: bdias@emory.edu

Adrenal insufficiency in rats after prolonged exposure to the predator cue: a new animal model of post-traumatic stress disorder

Olga B. Tseilikman[1], Maxim S. Lapshin[1], Mariya V. Komelkova[1,8], Marina V. Kondashevskaya[2], Eliyahu V. Dremencov[3,4,1], Eugenia B. Manukhina[5,6], H. Fred Downey[6], Svetlana S. Lazuko[7], Olga P. Kuzhel[7], Vadim E. Tseylikman[1,8], Denis A. Kozochkin[1]
[1]South Ural State University Biomedical School; [2]Federal State Budjetary Scientific Institution of Human Morphology, Moscow, Russian Federation; [3]Institute of Molecular Physiology and Genetics, Centre for Biosciences, Slovak Academy of Sciences, Bratislava, Slovakia;; [4]Institute of Experimental Endocrinology, Biomedical Research Center, Slovak Academy of Sciences, Bratislava, Slovakia;; [5]Institute of General Pathology and Pathophisiology, Moscow, Russian Federation; [6]Department of Physiology and Anatomy, University of North Texas Health Science Center; [7]Vitebsk State Medical University,Vitebsk, Republic of Belarus; [8]South Ural State Medical University, Chelyabinsk, Russian federation
E-mail address: vadimed@yandex.ru

SATURDAY, SEPTEMBER 9, 2017, 4:15PM – 5:45PM

Symposium 25

Singing, dancing, playing and listening for better health: Neurohumoral responses to musical activities

Chair: Gunter Kreutz

Location: KO2-F-174

The impact of maternal singing on glucocorticoids, cytokines, anxiety, affect and mother-infant bonding

Daisy Fancourt[1,2], Rosie Perkins[3]

[1]Faculty of Medicine, Imperial College London, United Kingdom; [2]Psychobiology Group, Department of Behavioural Science and Health, University College London, United Kingdom; [3]Centre for Performance Science, Royal College of Music, United KingdomE-mail address: daisy.fancourt@rcm.ac.uk

Psychobiological Responses to Musical Activities in Children and Adolescents with Mental Disorders: Results of a Pilot Study

Katarzyna Grebosz-Haring[1], Leonhard Thun-Hohenstein[2]

[1]Department of Musicology and Dance Studies, Focus Area Science and Art, Paris-Lodron-University of Salzburg, Austria; [2]University Department of Child and Adolescent Psychiatry, Christian-Doppler-Klinik Salzburg, Paracelsus Medical University Salzburg, Austria

E-mail address: kgrebosz@hotmail.com

Psychobiological responses to choral singing: Influences of singing activity and time course

Gunter Kreutz, Antje Bullack, Carolin Gass

Carl von Ossietzky University Oldenburg, Germany

E-mail address: gunter.kreutz@uol.de

The effects of music listening on stress in everyday life

Alexandra Linnemann[1], Jana Strahler[2], Urs Nater[1]

[1]University of Marburg, Germany; [2]Justus Liebig University Gießen, Germany

E-mail address: alexandra.linnemann@posteo.de

Symposium 26

Environmental and genetic factors influencing stress responses in emerging adults

Chairs: Sonia Lupien, Emma Kristine Adam

Location: KO2-F-175

Adolescent Cortisol Responses to High-Stakes Testing in School-based Settings

Emma Kristine Adam[1], Jennifer A. Heissel[1], Emily F. Hittner[1], Jennifer L. Doleac[2], Jonathan Meer[3], David Figlio[1]

[1]Northwestern University, United States of America; [2]University of Virginia, United States of America; [3]Texas A&M University, United States of America

E-mail address: ek-adam@northwestern.edu

Genetic and environment etiology of antisocial behavior: twisting in the wind or blue skies ahead?

Isabelle Ouellet-Morin[1], Stephanie Langevin[1], Sara Mascheretti[2]

[1]Université de Montréal, Research Center of the Montréal Mental Health University Institute and the Research Group on Child Maladjustment, Canada; [2]Child Psychopathology Unit, Scientific Institute, IRCCS Eugenio Medea, Bosisio Parini, Italy

E-mail address: isabelle.ouellet-morin@umontreal.ca

Gene-environment interactions on cortisol awakening response in emerging adults

Elif Aysimi Duman
Bogazici University, Turkey
E-mail address elif.duman@boun.edu.tr

Impact of parental depression or cancer on offspring's cortisol levels

Sonia Lupien[1,2,4], Isabelle Ouellet-Morin[1,3,4], Catherine Raymond[1,2,4], Sarah Lecaire[1,2,4], Nadia Durand[1,4], Nathalie Wan[1,4], Denis-Claude Roy[3,4]
[1]Centre for Studies on Human Stress, Montreal Mental Health University Institute; [2]Faculty of Medicine, University of Montreal; [3]Department of Criminology, University of Montreal; [4]Research Centre, CIUSSS de l'Est
E-mail address: sonia.lupien@umontreal.ca

The psychoneuroendocrinological response to standardized attachment stimuli: Oxytocin, vasopressin and cortisol

Lukas Oberschneider[1], Ludwig Ebeling[1], Julia Quehenberger[1], Swinde Landers[1], Catherina Hilmer[1], Karl Heinz Brisch[1,2]
[1]Medical center of the university of Munich, Dr. von Hauner Children´s Hospital, Germany; [2]Paracelsus Medical University Salzburg, Research institute in Early Life Care, Austria
E-mail address: Lukas.Oberschneider@med.uni-muenchen.de

Symposium 27

How does water fuel the fire? Molecular and clinical determinants of glucocorticoid sensitivity in stress trauma and mental disorders
Chairs: Carmine M. Pariante, Nicolas Rohleder
Location: KOL-E-18

Determinants of altered intracellular endocrine-immune interplay in Bosnian war refugees suffering from PTSD

Jutta Wolf[1], Ljiljana Joksimovic[2], Nicolas Rohleder[3]
[1]Brandeis University, United States of America; [2]LVR-Klinikum Düsseldorf, Germany; [3]FAU Nürnberg-Erlangen, Erlangen, Germany
E-mail address: jmw@brandeis.edu

Sociality and neuroimmune processes: Insights from rhesus monkey models of loneliness and depressive behavior

John Philip Capitanio
University of California, Davis, United States of America
E-mail address: jpcapitanio@ucdavis.edu

A Randomized Clinical Trial of a Glucocorticoid Receptor Antagonist in PTSD

Julia A. Golier[1,2], Rachel Yehuda[1,2], Dewleen Baker[1,3]
[1]Department of Veterans Affairs; [2]Mount Sinai School of Medicine, USA; [3]University of California at San Diego
E-mail address: julia.golier@va.gov

Clinical and molecular mechanisms underlying glucocorticoid resistance in depression: the unsolved chicken-and-egg conundrum

Carmine M. Pariante
Institute of Psychiatry, Psychology and Neuroscience, King's College London, United Kingdom
E-mail address: carmine.pariante@kcl.ac.uk

Hypocortisolism and hypercortisolism in bipolar disorder – A lifetime perspective

Martin Maripuu, Mikael Wikgren, Pontus Karling, Rolf Adolfsson, Karl-Fredrik Norrback
Umeå University, Sweden
E-mail address: martin.maripuu@umu.se

Symposium 28

Adaption to repeated stress: genes, plasticity and developmental influences
Chair: Seema Bhatnagar
Location: KOL-E-21

Medial prefrontal cortex involvement in adaptive and maladaptive responses to stress

Jason J. Radley
University of Iowa, United States of America
E-mail address: jason-radley@uiowa.edu

Sex-dependent effects of adolescent social stress on depressive behavior and stress-related neurocircuitry

Jodi L. Lukkes, Andrei I. Molosh, Anantha Shekhar
Department of Psychiatry, Indiana University School of Medicine, United States of America
E-mail address: jodiburk@iu.edu

Sex differences in the hypothalamic-pituitary adrenal (HPA) axis and stress habituation

Victor Viau
University of British Columbia, Canada
E-mail address: viau@mail.ubc.ca

Development of paraventricular thalamic regulation of habituation to stress: adolescence to adulthood

Seema Bhatnagar, Laura Grafe, Brian Corbett
University of Pennsylvania School of Medicine and Children's Hospital of Philadelphia, United States of America
E-mail address: bhatnagars@email.chop.edu

Chronic stress and suboptimal nutrition is associated with chromosome instability in dementia family carers

Caroline Bull[1,2], Theodora Almond[1], Helen Christensen[3], Michael Fenech[1]
[1]CSIRO Health & Biosecurity, Australia; [2]Molecular & Biomedical Sciences, University of Adelaide, Australia; [3]Black Dog Institute, Australia
E-mail address: caroline.bull@csiro.au

POSTER SESSION

THURSDAY, 07/SEP/2017: 5.30PM – 7.00PM

ANIMAL MODELS

P001: Non-obese type 2 diabetes impairs emotional behavior and leads to medial prefrontal cortex alterations

Muriel Darnaudéry[1], Marina Romaní-Pérez[1], Amandine Lépinay[1], Marion Rincel[1], Danielle Bailbé[2], Marine Rande[1], Sophie Layé[1], Lucile Capuron[1], Bernard Portha[2], Jamileh Movassat[2]

[1]University Bordeaux, Lab NUTRINEURO, INRA UMR1286, France; [2]University Paris-Diderot, Sorbonne Paris Cité, Unit of Functional and Adaptive Biology - CNRS UMR 8251, France

E-mail address: muriel.darnaudery@u-bordeaux.fr

P002: Behavioral activity and immune effects of the stress exposures and susceptibility to glucocorticoid drug in inherited stress-induced arterial hypertension rat strain with stress-sensitive arterial hypertension

Vadim E. Tseylikman[1,3], Arkady L. Markel[2], Olga B. Tseilikman[1], Denis A. Kozochkin[1]

[1]South Ural State University, Biomedical School, Chelyabinsk, Russian Federation; [2]Institute of Cytology and Genetics, Novosibirsk, Russian Federation; [3]South Ural State Medical University

E-mail address: vadimed@yandex.ru

P003: MAO activity in the brain in PTSD susceptible and resilient rats

Vadim E. Tseylikman[1,2], Olga B. Tseilikman[1], Maxim S. Lapshin[1], Mariya M. Komelkova[1,2], Inna V. Feklicheva[1]

[1]South Ural State University, Biomedical School Russian Federation; [2]South Ural State Medical University

E-mail address: vadimed@yandex.ru

P004: Estradiol Contributes to Aggressive Behaviors in a Mouse Model of Pathological Aggression

Laura Jean Mosher[1,2], Sean C Godar[2], Marco Bortolato[2]

[1]University of Kansas, United States of America; [2]University of Utah, United States of America

E-mail address: laura.mosher@utah.edu

P005: Multiple exposures of predator stress alter neurotransmitters level in the rats' hippocampus

Vadim E. Tseylikman[1,2], Maxim S. Lapshin[1], Mariya V. Komelkova[1,2], Olga B. Tseilikman[1], Anatoly V. Alliluev[2], Eugenia B. Manukhina[3,4], H. Fred Downey[4], Marina N. Karpenko[5], Denis A. Kozochkin[1]

[1]South Ural State University,Chelyabinsk, Russian Federation; [2]South Ural State Medical University, Chelyabinsk, Russian Federation; [3]Institute of General Pathology and Pathophisiology, Moscow, Russian Federation; [4]Department of Physiology and Anatomy, University of North Texas Health Science Center,Texas, USA; [5]Institute of Experimental Medicine, Saint Petersburg, Russian Federation

E-mail address: vadimed@yandex.ru

P006: Chronic adolescent stress alters adult regulation of the glucocorticoid receptor

Sydney A. Rowson[1], Mandakh Bekhbat[2], Sean D. Kelly[3], Gretchen N. Neigh[3,4]

[1]Molecular and Systems Pharmacology Graduate Program, Emory University, Atlanta, GA, United States of America; [2]Neuroscience Graduate Program, Emory University, Atlanta, GA, United States of America; [3]Department of Physiology, Emory University, Atlanta, GA, United States of America; [4]Department of Anatomy and Neurobiology, Virginia Commonwealth University, Richmond, VA, United States of America

E-mail address: sydney.anne.rowson@emory.edu

P007: Mating-induced release of OT reverses social fear in mice

Cindy Grossmann, Christopher Sommer, Rohit Menon, Inga Neumann
University of Regensburg, Germany
E-mail address: Cindy.Grossmann@ur.de

P008: High-fat diet enhances action of prenatal stress on mineralocorticoid receptor concentration in the hippocampus

Anna Kurek, Jan Detka, Katarzyna Głombik, Bogusława Budziszewska
Department of Experimental Neuroendocrinology, Institute of Pharmacology, Polish Academy of Sciences, Cracow, Poland
E-mail address: kurek@if-pan.krakow.pl

P009: The involvement of SREBP system in the pathogenesis of depression and obesity

Katarzyna Glombik, Anna Kurek, Jan Detka, Boguslawa Budziszewska
Department of Experimental Neuroendocrinology, Institute of Pharmacology, Polish Academy of Sciences, Cracow, Poland
E-mail address: glombik@if-pan.krakow.pl

ACUTE STRESS PROVOCATION

P010: Genetic and hormonal modulation of androstadienone-effects on emotional interference control and visuo-spatial cueing

Jonas Hornung[1], Lydia Kogler[1], Stephan Wolpert[2], Jessica Freiherr[3], Birgit Derntl[1]
[1]Department of Psychiatry and Psychotherapy, Medical School, University of Tübingen, Tübingen, Germany; [2]Department of Otolaryngology, Head and Neck Surgery, Medical School, University of Tübingen, Tübingen, Germany; [3]Diagnostic and Interventional Neuroradiology, Universitätsklinikum RWTH Aachen, Aachen, Germany
E-mail address: jonas.hornung@med.uni-tuebingen.de

P011: Facebook Buffers the Acute Stress Response

Jitske Tiemensma, Holly M. Rus
University of California, Merced, United States of America
E-mail address: jtiemensma@ucmerced.edu

P012: Stress and pain perception across modalities: Hydrocortisone has no effects on pain thresholds or ratings in healthy men

Carsten Siebert[1], Laura Ricarda Koenen[1], Mara Lisa Beuster[1], Sven Benson[1], Harald Engler[1], Ulrike Bingel[2], Sigrid Elsenbruch[1]
[1]Institute of Medical Psychology & Behavioral Immunobiology, University Hospital Essen, Germany; [2]Clinic for Neurology, University Hospital Essen, Germany
E-mail address: carsten.siebert@uk-essen.de

P013: Greater testosterone reactivity associated with lower subjective anxiety in response to social stressor

Ellie Shuo Jin, Robert Alan Josephs
The University of Texas at Austin, United States of America
E-mail address: ellieshuojin@utexas.edu

P014: Effects of Acute Stress and Placebo Intervention on Subjective and Objective Nausea Measures

Carmen Jacob[1], Verena Hoffmann[1], Elisabeth Olliges[1], Anja Haile[1], Benjamin Jacobi[1], Leander Steinkopf[1], Marina Lanz[1], Matthias Tschoep[3,4], Karin Meissner[1,2]

[1]Institute of Medical Psychology, LMU Munich, Germany; [2]Division of Health Promotion, University of Applied Sciences Coburg, Coburg, Germany; [3]Institute for Diabetes and Obesity, Helmholtz Diabetes Center, Helmholtz Zentrum München, Munich, Germany; [4]Division of Metabolic Diseases, Technische Universität München, Munich, Germany

E-mail address: carmenjacob@web.de

P015: Do you need a hand? The detrimental effects of rumination on helping behaviours after psychosocial stress

Jonas P. Nitschke[1], Emma Galarneau[1], Jens C. Pruessner[2], Jennifer A. Bartz[1]

[1]McGill University, Canada; [2]Universität Konstanz, Germany

E-mail address: jonas.nitschke@mail.mcgill.ca

P016: Stress Changes How We Think – Psychophysiological Evidence for the Stress-Induced Deliberation To Intuition (SIDI)-Model

Carmen Jacob[1], Verena Hoffmann[1], Elisabeth Olliges[1], Anja Haile[1], Benjamin Jacobi[1], Leander Steinkopf[1], Marina Lanz[1], Matthias Tschoep[3,4], Karin Meissner[1,2]

[1]Institute of Medical Psychology, LMU Munich, Germany; [2]Division of Health Promotion, University of Applied Sciences Coburg, Coburg, Germany; [3]Institute for Diabetes and Obesity, Helmholtz Diabetes Center, Helmholtz Zentrum München, Munich, Germany; [4]Division of Metabolic Diseases, Technische Universität München, Munich, Germany

E-mail address: carmenjacob@web.de

P017: Modulation of HPA axis response to social stress in schizophrenia by childhood trauma

Claudia Lange, Christian G. Huber, Daniela Fröhlich, Stefan Borgwardt, Undine E. Lang, Marc Walter

University of Basel, Switzerland

E-mail address: claudia.lange@upkbs.ch

P018: State and Trait Coping is differentially linked to Cortisol and Alpha Amylase Recovery from acute Psychosocial Stress

Johanna Janson, Nicolas Rohleder

FAU Erlangen-Nürnberg, Germany

E-mail address: johanna.janson@fau.de

P019: Characterizing the dynamic stress response on neuroendocrine and neural network level

Magdalena Sandner, Giannis Lois, Michèle Wessa

Johannes Gutenberg University Mainz, Germany

E-mail address: m.sandner@uni-mainz.de

P020: Is perceived long term stress related to the acute stress reaction?

Elin Arvidson[1,2], Anna Sjörs[1], Ingibjörg H. Jonsdottir[1,2]

[1]The Institute of Stress Medicine, Gothenburg, Sweden; [2]The Department of Food and Nutrition, and Sport Science, University of Gothenburg, Sweden

E-mail address: elin.arvidson@vgregion.se

P021: Perceived stress and physiological reactions to repeated TSST in healthy individuals

Elin Arvidson[1,2], Anna Sjörs[1], Ingibjörg H. Jonsdottir[1,2]

[1]The Institute of Stress Medicine, Gothenburg, Sweden; [2]The Department of Food and Nutrition, and Sport Science, University of Gothenburg, Sweden

E-mail address: elin.arvidson@vgregion.se

P022: Decision making under risk in response to psychophysiological stress

Jan Nowacki[1], Hauke Heekeren[2], Katja Wingenfeld[1], Christian Otte[1]
[1]Charité Universitätsmedizin Berlin, Department of Psychiatry and Psychotherapy - Campus Benjamin Franklin, Berlin, Germany; [2]Freie Universität Berlin, Department of Education and Psychology, Berlin, Germany
E-mail address: jan.nowacki@charite.de

P023: Inverse effects of optimism and resilience on the acute stress reactivity of the autonomic nervous system

Roberto La Marca[1], Maria Bösch[1,2], Sandra Sefidan[1,2], Hubert Annen[2], Thomas Wyss[3], Ulrike Ehlert[1]
[1]Clinical Psychology and Psychotherapy, University of Zurich, Zurich, Switzerland; [2]Military Academy, Swiss Federal Institute of Technology ETH Zurich, Zurich, Switzerland; [3]Swiss Federal Institute of Sports Magglingen SFISM, Magglingen, Switzerland
E-Mail address: r.lamarca@psychologie.uzh.ch

P024: Mind over matter - The association between mindfulness, acute stress and the immune response

Serena Fiacco[1], Niclà Lozza[1], Ulrike Kübler[1], Ulrike Ehlert[1], Monika Scheiwiller[1], Corinne Rüttimann[1], Tim Lacker[1], Firouzeh Farahmand[1], Roberto La Marca[1]
[1]Clinical Psychology and Psychotherapy, University of Zurich, Switzerland
E-mail address: s.fiacco@psychologie.uzh.ch

CHRONIC STRESS

P025: How to convert cortisol concentrations into normative z-values and percentile ranks using reference data

Robert Miller[1,2], Clemens Kirschbaum[1]
[1]TU Dresden, Germany; [2]Karolinska Institutet, Stockholm, Sweden
E-mail address: robert.miller@tu-dresden.de

P026: Picture yourself here: A novel method for determine sampling protocol adherence in ecological settings

Samantha Dockray[1], Nina Smyth[2], Maria Flynn[2], Ian Kearney[1], Kevin Cusack[1], AnnMichelle Mulally[1], Margaret R.M. Collins[1]
[1]University College Cork, Ireland; [2]Westminster University, United Kingdon
E-mail address: s.dockray@ucc.ie

P027: When your daily mental content resonates in your stress-system: Evidence for the association of stress-related thought patterns and cortisol levels in an everyday experience sampling study

Roman Linz, Veronika Engert, Tania Singer
Max Planck Institute for Human Cognitive and Brain Sciences, Department of Social Neuroscience, Germany
E-mail address: linz@cbs.mpg.de

P028: Examining the “Undoing Hypothesis” in a Community Sample via Multilevel Moderation Analyses

Brandy Sky Martinez, Cindy Bergeman, Michelle Wirth
University of Notre Dame, United States of America
E-mail address: bmarti10@nd.edu

P029: Loneliness and Diurnal Salivary Cortisol in Chinese Undergraduates

Julian Chuk-ling Lai, Yun Wah Lam, Karsten Berning, Monique Leung, Yu Heng Daryl Lee
City University of Hong Kong, Hong Kong S.A.R. (China)
E-mail address: ssjulwin@cityu.edu.hk

P030: The Longitudinal Implications of Stress Dissipation on Pathophysiological Mechanisms

Marissa Catherine Koscielski[1], Cindy S. Bergeman[2], Brandy Sky Martinez[1], Raquael J. Joiner[2], Michelle M. Wirth[1]
[1]University of Notre Dame Emotion and Stress Physiology Laboratory, United States of America; [2]University of Notre Dame Adult Development & Aging Laboratory
E-mail address: mkosciel@nd.edu

P031: The effect of genotype, chronotype and sleep behaviours on diurnal patterns of salivary cortisol in adolescents

Samantha Dockray[1], Nadine Messerli-Bürgy[2], Siobhan O'Neill[1]
[1]University College Cork, Ireland; [2]Univerity of Fribourg, Switzerland
E-mail address: s.dockray@ucc.ie

P032: The effect of working on-call from home on salivary cortisol in fire and emergency service personnel

Sarah J. Hall[1,2], Brad Aisbett[1], Sam J. Robertson[3], Sally A. Ferguson[4], Anne I. Turner[1]
[1]Institute for Physical Activity and Nutrition, School of Exercise and Nutrition Sciences, Deakin University, Burwood, Victoria, Australia.; [2]Bushfire and Natural Hazards Cooperative Research Centre, East Melbourne, Victoria, Australia.; [3]Institute of Sport, Exercise & Active Living (ISEAL), Victoria University, Footscray, Victoria, Australia.; [4]Appleton Institute, School of Health, Medical and Applied Sciences, Central Queensland University, Adelaide, South Australia, Australia.
E-mail address: sarahjah@deakin.edu.au

P033: Chronic stress load in air rescue teams: CAR and HRV at different assignments

Katja Petrowski[1,2], Christian Schöniger[2], Mark Frank[3,4], Jaroslaw Pyrc[5], Benedict Herhaus[1]
[1]Department of Psychology and Psychotherapy, University Witten/Herdecke, Germany; [2]Department of Psychotherapy and Psychosomatic Medicine, University Hospital Carl Gustav Carus Dresden, Germany; [3]Department of Emergency Medicine, City Hospital Görlitz, Germany; [4]DRF Stiftung Luftrettung gemeinnützige AG, Air Rescue Base Dresden, Germany; [5]University Center for Orthopaedics and Traumatology, University Medicine Carl Gustav Carus Dresden, Germany
E-mail address: katja.petrowski@uni-wh.de

P034: Dissociation of biological and psychological stress measures in vitally exhausted men

Susanne Fischer[1], Emilou Noser[1,2], Jessica Ruppen[1,2], Ulrike Ehlert[1,2]
[1]University of Zurich, Institute of Psychology, Clinical Psychology and Psychotherapy, Zurich, Switzerland, [2]University of Zurich, University Research Priority Program (URPP), Dynamics of Healthy Aging
E-mail address: s.fischer@psychologie.uzh.ch

P035: The moderating effect of salivary cortisol on the link between personality and vital exhaustion in men 40+

Laura Mernone[1,2], Emilou Noser[1,2], Jessica Ruppen[1,2], Ulrike Ehlert[1,2]
[1]University Research Priority Program Dynamics of Healthy Aging, University of Zurich, Switzerland; [2]Clinical Psychology and Psychotherapy, Institute of Psychology, University of Zurich, Switzerland
E-mail address: l.mernone@psychologie.uzh.ch

STRESS AND COPING ASSESSMENT TOOLS

P036: The results of the quality of life measurement in families with children born with the help of assisted reproductive technologies

Anna Plaxina[2], Helena Chernaya[2], Olga Lvova[1], Sergey Kiselev[1]

[1]Ural Federal University named after the First President of Russia B.N. Yeltsin, Russian Federation; [2]Science-Practical Center "Bonum", Department of Rehabilitation, Russian Federation

E-mail address: olvova@bk.ru

P037: German Translation and Evaluation of the Stress and Adversity Inventory for Adults (Adult STRAIN)

Sarah Sturmbauer[1], Eva-Luca Hetzel[1], Grant S. Shields[2], George M. Slavich[2], Nicolas Rohleder[1]

[1]FAU Erlangen, Germany; [2]University of California, Los Angeles

E-mail address: sarah.sturmbauer@fau.de

P038: Social Desirability in Police's Health Study: More Than a Bias, a Health Problem!

Stéphanie Habersaat[1,2,3], Sid Abdellaoui[2], Ashley M. Geiger[3], Jutta M. Wolf[3]

[1]University Hospital of Lausanne (CHUV), Switzerland; [2]Laboratoire INTERPSY, Université de Lorraine, France; [3]Laboratory for Biological Health Psychology, Brandeis University, Waltham MA, USA

E-mail address: Stephanie.Habersaat@chuv.ch

P039: All stressed out? Introducing a German Version of the Perceived Stress Scale: Validation, Psychometric Properties and Sample Differences in Healthy and Clinical Populations

Eva Elisa Schneider, Sandra Schönfelder, Mila Wolf, Michèle Wessa

Department of Clinical Psychology and Neuropsychology, Institute for Psychology, Johannes Gutenberg-University Mainz, Germany

E-mail address: eschnei@uni-mainz.de

P040: Coping with medical procedures: Introduction of a new inventory

Sarah Christina Sturmbauer[1], Andreas Schwerdtfeger[2], Eva-Maria Rathner[3], Nicolas Rohleder[1], Michael Hock[4]

[1]FAU Erlangen; [2]Universitäy of Wuppertal; [3]Ulm University; [4]University of Bamberg

E-mail address: sarah.sturmbauer@fau.de

MEMORY

P041: Differential effects of hair cortisol and cumulative risk for chronic stress on reward anticipation-mediated memory enhancement in children

Laura Meine[1,2], Attila Keresztes[1], Julia Binder[1], Christine Heim[3,4], Yee Lee Shing[1,5]

[1]Center for Lifespan Psychology, Max Planck Institute for Human Development, Berlin, Germany; [2]Department of Clinical Psychology and Neuropsychology, Institute for Psychology, Johannes Gutenberg-University Mainz, Germany; [3]Institute of Medical Psychology, Charité-University Medicine, Medical Centre, Berlin, Germany; [4]Department of Biobehavioral Health, Pennsylvania State University, University Park, PA, USA; [5]Division of Psychology, School of Natural Sciences, University of Stirling, UK

E-mail address: laura.meine@uni-mainz.de

P042: Phonological Loop and Central Executive in Hypothyroidism

Vatsal Priyadarshi Pandey[1], Tara Singh[1], S.K. Singh[2]
[1]Cognitive Science Lab, Department of Psychology, Banaras Hindu University; [2]Department of Endocrinology and Metabolism, Institute of Medical Sciences, Banaras Hindu University
E-mail address: vatsal.priyadarshi1989@gmail.com

P043: Characterizing the relation between stress, cognition, and brain health on population level in the Rhineland Study

Sadia E. Oumohand, Monique M.B. Breteler
German Center for Neurodegenrative Diseases (DZNE e.V.), Bonn, Germany
E-mail address: sadia.oumohand@dzne.de

P044: The role of cortisol reactivity and gray matter structure in income disparities of children's memory performance

Laurel Raffington[1,2], Julia Binder[1], Attila Keresztes[1], Christine Heim[3,4], Yee Lee Shing[1,5]
[1]Center for Lifespan Psychology, Max Planck Institute for Human Development, Germany; [2]Berlin School of Mind and Brain, Humboldt-Universität zu Berlin, Germany; [3]Institute of Medical Psychology, Charité-University Medicine, Medical Centre, Berlin, Germany; [4]Department of Biobehavioral Health, Pennsylvania State University, University Park, PA, USA; [5]Division of Psychology, Faculty of Natural Sciences, University of Stirling, UK
E-mail address: raffington@mpib-berlin.mpg.de

P045: Dopamine genes, sex and cognition in schizophrenia

Caroline Gurvich[1], Elizabeth Thomas[1], Jessica Myles[1], Sean Carruthers[1,2], Eric Tan[1], Susan Rossell[1,2]
[1]Monash Alfred Psychiatry research centre, Central Clinical School Monash University and the Alfred Hospital, Melbourne Australia; [2]Brain and Psychological Sciences Centre and Centre for Mental Health, Swinburne University, Melbourne, Australia
E-mail address: caroline.gurvich@monash.edu

P046: Does adjunctive raloxifene improve cognition in schizophrenia?

Caroline Gurvich, Emorfia Gavrilidis, Jasmin Grigg, Natalie Thomas, Roisin Worsely, Jayashri Kulkarni
Monash Alfred Psychiatry research centre, Central Clinical School, Monash University and The Alfred Hospital, Melbourne, Australia
E-mail address: caroline.gurvich@monash.edu

PRENATAL STRESS AND PREGNANCY

P047: Prenatal testosterone, oxytocin and cortisol levels in relation to prenatal and postnatal paternal involvement

Willemijn M. Meijer, Anna E. van 't Veer, Marinus H. van IJzendoorn, Marian J. Bakermans-Kranenburg
Child and Family Studies, Leiden University, The Netherlands
E-mail: w.m.meijer@fsw.leidenuniv.nl

P048: Plasma c-reactive protein levels during pregnancy are associated with self-reported diagnoses of depression

Soili Marianne Lehto, Kati Heinonen, Elena Toffol, Esa Hämäläinen, Marius Lahti, Jari Lahti, Soile Tuovinen, Alfredo Ortega-Alonso, Jari Lipsanen, Eero Kajantie, Helena Laivuori, Anu-Katriina Pesonen, Pia Villa, Katri Räikkönen
University of Helsinki, Finland
E-mail address: soili.lehto@helsinki.fi

P049: Dynamic DNA methylation changes in the oxytocin locus (OXT) during pregnancy are associated with maternal parenting behavior

Philipp Toepfer[1], Kieran J. O´Donnell[2,3], Christine M. Heim[1,4], David T. S. Lin[5], Julia L. MacIsaac[5], Michael S. Kobor[5], Michael J. Meaney[2,3,6], Nadine Provencal[7,8], Elisabeth B. Binder[7,9], Sonja Entringer[1,10], Pathik D. Wadhwa[10,11], Claudia Buss[1,10]

[1]Department of Medical Psychology, Charité–Universitätsmedizin Berlin, corporate member of Freie Universität Berlin, Humboldt-Universität zu Berlin, and Berlin Institute of Health (BIH), Berlin Germany; [2]Ludmer Centre for Neuroinformatics and Mental Health, Douglas Mental Health University Institute, McGill University, Montreal, QC, Canada; [3]Sackler Program for Epigenetics and Psychobiology at McGill University, Montreal, QC, Canada; [4]Department of Biobehavioral Health, Pennsylvania State University, University Park, PA, USA; [5]Centre for Molecular Medicine and Therapeutics, Department of Medical Genetics, University of British Columbia, Vancouver, BC, Canada; [6]Singapore Institute for Clinical Sciences, Singapore; [7]Department of Translational Research in Psychiatry, Max-Planck Institute of Psychiatry, Munich, Germany; [8]Simon Fraser University, Faculty of Health Sciences, Vancouver, BC, Canada; [9]Department of Psychiatry and Behavioral Sciences, Emory University School of Medicine, Atlanta, GA, USA; [10]University of California, Irvine, Development, Health, and Disease Research Program, Orange, CA, USA.; [11]Departments of Psychiatry and Human Behavior, Obstetrics and Gynecology, and Epidemiology, University of California, Irvine, School of Medicine, Irvine, CA, USA

E-mail address: philipp.toepfer@charite.de

P050: Vitamin D and depressive symptoms during pregnancy

Kati Heinonen[1], Jari Lipsanen[1], Marius Lahti[1], Jari Lahti[1], Soile Tuovinen[1], Anu-Katriina Pesonen[1], Soili Lehto[1], Sari Linden[2], Esa Hämäläinen[2], Hannele Laivuori[2], Pia M. Villa[2], Eero Kajantie[3], Sture Andersson[2], Katri Räikkönen[1]

[1]University of Helsinki, Finland; [2]University of Helsinki and Helsinki University Hospital, Finland; [3]National Institute for Health and Welfare, Finland

E-mail address: kati.heinonen@helsinki.fi

P051: Interaction between maternal cortisol in pregnancy and infant FKBP5 genotype on newborn hippocampal volume and infant stress reactivity at 12 months

Nora K. Moog[1], Sonja Entringer[1,5], Martin Styner[2], Kieran J. O'Donnell[3], John H. Gilmore[2], Michael J. Meaney[3], Elisabeth B. Binder[4], Christine M. Heim[1], Pathik D. Wadhwa[5], Claudia Buss[1,5]

[1]Charité - Universitätsmedizin Berlin, Germany; [2]University of North Carolina at Chapel Hill, USA; [3]McGill University, Canada; [4]Max Planck Institute for Psychiatry, Germany; [5]University of California Irvine, USA

E-mail address: nora.moog@charite.de

P052: Maternal fatty acids contribute to prenatal programming of temperament

Elena Toffol[1], Alfredo Ortega-Alonso[1], Esa Hämäläinen[1,2], Eero Kajantie[1,2,3], Jari Lahti[1], Marius Lahti[1], Hannele Laivuori[1,2,4], Anu-Katriina Pesonen[1], Pia Maria Villa[1,2], Soili Marianne Lehto[1,5,6], Katri Räikkönen[1]

[1]University of Helsinki, Finland; [2]Helsinki University Hospital; [3]National Institute for Health and Welfare; [4]Institute for Molecular Medicine Finland; [5]University of Eastern Finland; [6]Kuopio University Hospital

E-mail address: elena.toffol@helsinki.fi

P053: Prospective association between maternal pro-inflammatory state during pregnancy and newborn telomere length

Claudia Lazarides[1], Elissa S. Epel[3], Jue Lin[4], Elizabeth H. Blackburn[4], Claudia Buss[1,2], Hyagriv N. Simhan[5], Pathik D. Wadhwa[2], Sonja Entringer[1,2]

[1]Charité – Universitätsmedizin Berlin, corporate member of Freie Universität Berlin, Humboldt-Universität zu Berlin, and Berlin Institute of Health (BIH), Institute of Psychological Medicine, Germany; [2]Development, Health and Disease Research Program, University of California, Irvine, California, USA; [3]Departments of Psychiatry, University of California, San Francisco; [4]Departments of Biochemistry & Biophysics, University of California, San Francisco; [5]Departments of Obstetrics, Gynecology and Reproductive Sciences, University of Pittsburgh

E-mail address: claudia.lazarides@charite.de

P054: Acculturation is associated with interleukin-6 concentrations among Hispanic pregnant women

Laura Scholaske[1,3], Claudia Buss[1,2], Annette Brose[3], Pathik Wadhwa[2], Sonja Entringer[1,2]

[1]Charité – Universitätsmedizin Berlin, corporate member of Freie Universität Berlin, Humboldt-Universität zu Berlin, and Berlin Institute of Health (BIH), Germany; [2]Development, Health and Disease Research Program, University of California, Irvine, California, USA; [3]Institute of Psychology, Humboldt University Berlin, Germany

E-mail address: laura.scholaske@charite.de

P055: FinnBrain Birth Cohort Study: Effects of Prenatal Maternal Stress and Neonatal Intensive Care on Stress Reactivity of the 10-Week-Old Infants

Susanna Kortesluoma[1], Kalle Korhonen[1,2], Laura Korhonen[1,2], Linnea Karlsson[1,3], Hasse Karlsson[1,4]

[1]FinnBrain Birth Cohort Study, Turku Brain and Mind Center, Institute of Clinical Medicine, University of Turku, Finland; [2]Department of Paediatrics and Adolescent Medicine, Turku University Hospital, Turku, Finland; [3]Department of Child Psychiatry, Turku University Hospital, University of Turku, Finland; [4]Department of Psychiatry, Turku University Hospital, University of Turku, Finland

E-mail address: sukort@utu.fi

P056: Associations between maternal stress during pregnancy and obstetric and neonatal outcomes

Antje Horsch[1,2], Leah Gilbert[2], Stefano Lanzi[2,3], Ji Seon Kang[4], Yvan Vial[1], Jardena Puder[2]

[1]Department Woman-Mother-Child, University Hospital Lausanne, Lausanne, Switzerland; [2]Department of Endocrinology, Diabetes and Metabolism, University Hospital Lausanne, Lausanne, Switzerland; [3]Division of Angiology, Heart and Vessel Department, Lausanne University Hospital, Switzerland; [4]Institute of Nursing Education and Research, University Hospital Lausanne, Lausanne, Switzerland

E-mail address: leah.gilbert@chuv.ch

P057: Prenatal androgen exposure associated with greater trait anxiety in men but not in women

Bridget Lee Burris, Ellie Shuo Jin

University of Texas, Austin, USA

E-mail address: bridgetburris@utexas.edu

P058: Cognitive, neural and endocrine functioning during late pregnancy: an ERP study

Sivan Raz[1], Ora Fiterman[2]

[1]Yezreel Valley College, Tel-Hai College, Israel; [2]Yezreel Valley College, Israel

E-mail address: sivanr@yvc.ac.il

CHILD DEVELOPMENT

P059: Positive effect of parent-child interaction on language development in preterm infants

Sergey Kiselev, Maria Lavrova, Ekaterina Suleymanova, Olga Lvova, Inna Tuktareva

Ural Federal University named by the First President of Russia B.N. Yelsin., Russian Federation

E-mail address: s.j.kiselev@urfu.ru

P060: Sodium intake was positively associated with cortisol excretion in a cross-sectional sample of Australian school children

Anne Isabella Turner[1], Carley Grimes[1], Caryl Anne Nowson[1], Sisitha Udara Jayasinghe[1,2], Clinton Bruce[1], Shaun Mason[1], Fengjun He[3], Susan Jane Torres[1]

[1]Institute for Physical Activity and Nutrition, School of Exercise and Nutrition Sciences, Deakin University, Victoria, Australia; [2]Biomedical Sciences, Cornell University, Ithaca, NY, USA; [3]Centre for Environmental and Preventative Medicine, Wolfson Institute of Preventative Medicine, Queen Mary University of London, London EC1M 6BQ, UK

E-mail address: anne.turner@deakin.edu.au

P061: Exploring the Emotional Memory Bias in Children: The Role of Adrenergic Activation

Regula Neuenschwander[1], Clancy Blair[2]
[1]University of British Columbia, Canada; [2]New York University, USA
E-mail address: rneuenschwander@bcchr.ca

P062: Influence of body-oriented therapy on executive abilities in ADHD children

Sergey Kiselev, Aleksandra Parshakova
Ural Federal University named by the First President of Russia B.N. Yelsin., Russian Federation
E-mail address: s.j.kiselev@urfu.ru

P063: Multi-trajectory modeling of salivary cortisol and alpha-amylase responses to psychosocial stress: Links to preadolescent behavioral functioning and coping

Jason Bendezu, Martha Wadsworth
Pennsylvania State University, United States of America
E-mail address: jjb490@psu.edu

P064: Specific diurnal cortisol profiles in early childhood

Felix Deichmann, Bernhard Piskernik, Lieselotte Ahnert
University of Vienna, Austria
E-mail address: felix.deichmann@univie.ac.at

P065: Systematic review of interventions to address biological outcomes among children exposed to adversity

Sukhdip K. Purewal, Monica Bucci, Kadiatou Koita, Debora L. Oh
Center for Youth Wellness
E-mail address: spurewal@centerforyouthwellness.org

P066: Interparental conflict and the child HPA-axis: Insight from an intensive repeated measures study

Kate Ryan Kuhlman[1], Rena L. Repetti[1], Bridget M. Reynolds[2], Theodore F. Robles[1]
[1]UCLA, United States of America; [2]National Center for Health Statistics, Centers for Disease Control and Prevention, USA
E-mail address: krkuhlman@ucla.edu

P067: Assessing the infant hypothalamic-pituitary-adrenal axis in SPRING, a large community-based cluster randomised controlled trial in rural India assessing the impact of a home visits intervention on early child growth and development (The SPRING-ELS sub-study)

Sunil Bhopal[1], Deepali Verma[2], Reetabrata Roy[1], Divya Kumar[2], Gauri Divan[2], Betty Kirkwood[1]
[1]London School of Hygiene & Tropical Medicine, United Kingdom; [2]Sangath, Goa, India
E-mail address: sunil.bhopal@lshtm.ac.uk

WOMEN'S HEALTH

P068: Associations between physical activity motivations and physical activity in middle to older aged women after a 12-week walking intervention

William K. Goodman, Ashley M. Geiger, Claire Elling, Jutta M. Wolf
Brandeis University, United States of America
E-mail address: wgoodman@brandeis.edu

P069: Cortisol reactivity correlates with subjective stress in women in their luteal phase but not in women using oral contraceptives or men

Catherine Raymond[1,2], Marie-France Marin[1,2], Robert-Paul Juster[2,3], Sonia Lupien[1,3]
[1]Université de Montréal, Canada; [2]Centre for studies on human stress; [3]Columbia University, New-York
E-mail address: catherine.raymond.2@umontreal.ca

P070: Exploring the Optional Criterion of Cyclical Impairment in DSM-5 Premenstrual Dysphoric Disorder: A Marker of Symptom Severity?

Katja M. Schmalenberger[1], Tory A. Eisenlohr-Moul[2], Susan S. Girdler[2]
[1]Institute of Medical Psychology, Heidelberg University, Germany; [2]Department of Psychiatry, University of North Carolina at Chapel Hill, USA
E-mail address: schmalenbergerkatja@gmail.com

P071: Positive opinions of one's body functions, but not body image, are linked to physical activity in middle to older-aged women

Claire E. Elling[1], William K. Goodman[1], Ashley M. Geiger[1], Idelle Vaynberg[1], Dahiana Loaiza[1], Natalie Sabik[2], Jutta M. Wolf[1]
[1]Brandeis University, United States of America; [2]University of Rhode Island, United States of America
E-mail address: celling@brandeis.edu

P072: Double-Blind Randomised Investigation of Tibolone Alone or in Adjunct to Standard Antidepressant Treatment for Depression in Perimenopausal Women

Jayashri Kulkarni[1,2,3], Emorfia Gavrilidis[1], Eldho Paul[2], Stuart Lee[1], Natalie Thomas[1], Caroline Gurvich[1], Rosie Worsley[2]
[1]Monash Alfred Psychiatry research centre, Melbourne Australia; [2]Monash University, Australia; [3]Alfred Hospital, Australia
E-mail address: jayashri.kulkarni@monash.edu

P073: The Role of an Endocrinologist in a Women's Mental Health Clinic

Caroline Thew[1,2,3], Cindy Yu[1,2,3], Michaela Corr[1,2,3], Jayashri Kulkarni[1,2,3]
[1]Monash Alfred Psychiatry research centre (MAPrc), Melbourne Australia; [2]Monash University, Australia; [3]Alfred Hospital, Australia
E-mail address: caroline.thew@gmail.com

P074: Effects of different doses of vitamin D3 supplementation in young premenopausal women on depression and hormonal status

Julia Fedotova[1,2,3], Tatayna Dudnichenko[4]
[1]I.P. Pavlov Institute of Physiology of RASci, Russian Federation; [2]I.M. sechenov Institute of Evolutionary Physiology and Biochemistry of RASci, Russian Federation; [3]ITMO University, Russian Federation; [4]North-Western State Medical University named after I.I. Mechnikov, Russian Federation
E-mail address: julia.fedotova@mail.ru

PSYCHOSOMATICS

P075: Association between Prolactin -1149 G/T gene polymorphism, anti-CCP antibodies and rheumatoid arthritis among Jordanians

Manar fayiz Atoum, Arwa Alaqeel
Hashemite university, Jordan
E-mail address: manar@hu.edu.jo

P076: Whether or not thrombophilic genes' polymorphisms are able to forecast the disability after arterial ischemic stroke in young individuals?

Olga Lvova[1], Vadim Gusev[1,3], Anastasia Dron'[2]
[1]Ural Federal University named after the first President of Russia B.N. Yeltsin, Russian Federation; [2]Paediatric City Clinic Hospital 9, Neurological Unit, Russian Federation; [3]City Clinic Hospital 23, Stroke Unit, Russian Federation
E-mail address: olvova@bk.ru

P077: Impact of tumor necrosis factor-α / interleukin-1β levels and polymorphisms on long-term stroke outcomes

Ju-Wan Kim, Dong-Ho Choi, Jae-Min Kim
Chonnam National University Medical School, Gwangju, Korea, Korea, Republic of (South Korea)
E-mail address: tarot383@naver.com

P078: Differential "diagnosis" for burnout and depression – does hair show the difference?

Nicole Rothe, Marlene Penz, Magdalena Kanthak, Andreas Walther, Robert Miller, Katja Beesdo-Baum, Clemens Kirschbaum
Technische Universität Dresden, Germany
E-mail address: nicole.rothe@tu-dresden.de

P079: Determination of thyroid hormones in human hair with online SPE LC-MS/MS and application in Burnout study

Wei Gao
Technische Universität Dresden, Germany
E-mail address: gaoweicristiano@gmail.com

P080: Work-related behavior and coping is associated with chronic glucocorticoid and androgen secretion: Preliminary results from the Dresden Burnout Study

Andreas Walther, Angelika Buske-Kirschbaum, Marlene Penz, Magdalena Kanthak, Vera Miriam Ludwig, Robert Miller, Zheng Chen, Wei Gao, Nicole Rothe, Clemens Kirschbaum
Technische Universität Dresden, Germany
E-mail address: andreas.walther@tu-dresden.de

P081: Depression-Associated Cardiac Failure (DACFAIL)

Andreas Menke[1,3], Carolin Leistner[1], Yasmin Busch[1], Saskia Stonawski[1], Catherina Wurst[1], Amelie Sauter[1], Karin Lechner[1], Dominik Lehrieder[1], Rudolf Werner[2], Takahiro Higuchi[2,3], Jürgen Deckert[1], Stefan Störk[3]
[1]University Hospital Würzburg, Department of Psychiatry, Psychosomatics and Psychotherapy, Würzburg, Germany; [2]University Hospital Würzburg, Department of Nuclear Medicine, Würzburg,Germany; [3]University Hospital Würzburg, Comprehensive Heart Failure Center, Würzburg,Germany
E-mail address: Menke_A@ukw.de

P082: From work stress to coronary heart disease – sex matters

Marlene Penz[1], Robert Miller[1,2], Andreas Walther[1], Magdalena Kanthak[1], Clemens Kirschbaum[1]
[1]Technische Universität Dresden, Germany; [2]Karolinska Institute, Stockholm, Schweden
E-mail address: marlene.penz@tu-dresden.de

P083: Interactions between pro-inflammatory cytokines and statins on depression in patients with acute coronary syndrome

Jae-Min Kim, Sung-Wan Kim
Chonnam National University Medical School, Gwangju, Korea, Korea, Republic of (South Korea)
E-mail address: jmkim@chonnam.ac.kr

P084: How prenatal testosterone exposure influences sexual function in aging men. Findings from the Men's Health 40+ study

Tim Lacker[1,2], Andreas Walther[1,2], Ulrike Ehlert[1,2]
[1]University of Zurich, Clinical Psychology and Psychotherapy, [2]University Research Priority Program, "Dynamics of healthy aging", University of Zurich, Switzerland
E-mail address: t.lacker@psychologie.uzh.ch

ANXIETY DISORDERS

P085: HPA axis regulation in posttraumatic stress disorder: A meta-analysis

Sarah Schumacher[1], Helen Niemeyer[1], Sinha Engel[1], Jan Cwik[2], Christine Knaevelsrud[1]
[1]Freie Universität Berlin, Germany; [2]Ruhr-Universität Bochum, Germany
E-mail address: sarah.schumacher@fu-berlin.de

P086: Anxiolytic neuropeptides in Posttraumatic stress disorder (PTSD) – evidence from patients and various animal models

Ulrike Schmidt, Bozidar Novak, Julia Stich, Carsten Wotjak
Max Planck Institute of Psychiatry, Germany
E-mail address: uschmidt@psych.mpg.de

P087: PTSD-related shifts in HPA axis, DHEA levels in Chernobyl Nuclear Plant clean-up workers

Vadim E. Tseylikman[1,3], Michael G. Davydovich[2], Olga B. Tseilikman[1], Inna V. Feklicheva[1], Natalia A. Shankova[1], Natalia V. Boyarinova[2]
[1]South Ural State University, Biomedical School, Chelyabinsk, Russian Federation; [2]Bashkirian State Medical University, Ufa, Russian Federation; [3]South Ural State Medical University, Chelyabinsk, Russian Federation
E-mail address: vadimed@yandex.ru

P088: Neural and endocrine stress reactions in healthy women with and without severe early life trauma

Sabrina Golde[1], Katja Wingenfeld[1], Christian Otte[1]
Charité - Universitätsmedizin Berlin, Campus Benjamin Franklin, Department of Psychiatry and Psychotherapy,Germany
E-mail address: sabrina.golde@charite.de

P089: Unlocking anxiety expressions in Autism Spectrum Disorders: Evidence from the lab and clinical settings

Aleksandra Kaurin[1], Pablo Vidal-Ribas Belil[3], Michèle Wessa[1], Emily Simonoff[2], Argyris Stringaris[3]
[1]Johannes Gutenberg University, Germany; [2]King's College London, UK; [3]National Institute of Health, USA
E-mail address: alkaurin@uni-mainz.de

P090: Effects of allergy and trait anxiety on heart rate variability: A naturalistic design study

Jakub Rajcani, Petra Solarikova, Igor Brezina
Faculty of Arts, Comenius University, Slovak Republic
E-mail address: rajcani.jakub@gmail.com

P091: Sex matters: the interplay of sex hormones and oxytocin predicts fear of social interaction in high anxious individuals

Ekaterina Schneider[1], Laura Elisa Müller[2], Beate Ditzen[1], Sabine Christiane Herpertz[2], Katja Bertsch[2]
[1]University Hospital Heidelberg, Institute of Medical Psychology, Germany; [2]University Hospital Heidelberg, Department of General Psychiatry, Germany
E-mail address: ekaterina.schneider@med.uni-heidelberg.de

P092: Long-term effects of chronic psychosocial stress on social and general anxiety depending on the sensory contact to the stressor

Sandra Foertsch, Stefan O. Reber
Laboratory for Molecular Psychosomatics, Clinic for Psychosomatic Medicine and Psychotherapy, University Clinic Ulm, Germany
E-mail address: sandra.foertsch@uni-ulm.de

P093: Effects of glucocorticoid administration on the salience network and default mode network in patients with spider phobia

Leila Maria Soravia[1], Simon Schwab[1,2], Masahito Nakataki[3], Roland Wiest[4], Markus Heinrichs[5], Dominique J.-F. de Quervain[6], Andrea Federspiel[1]
[1]University Hospital of Psychiatry Bern, Switzerland; [2]Institute of Digital Healthcare (IDH), University of Warwick, Coventry, CV4 7AL, United Kingdom; [3]Department of Psychiatry, University of Tokushima, 3-18-15, Kuramoto-cho, Tokushima 770-8503, Japan; [4]Department of Diagnostic and Interventional Neuroradiology, Inselspital, University Hospital of Bern, Freiburgstrasse 4, 3010 Bern, Switzerland; [5]Department of Psychology, University of Freiburg, Freiburg, Germany; [6]Division of Cognitive Neuroscience, Department of Psychology, University of Basel, Switzerland
E-mail address: soravia@puk.unibe.ch

DEPRESSION & PERSONALITY DISORDERS

P094: Childhood adversity and diagnosis of major depression: association with memory and executive function?

Michael Kaczmarczyk[1], Katja Wingenfeld[1], Linn Kuehl[1], Christian Otte[1], Kim Hinkelmann[2]
[1]Charité – Universitätsmedizin Berlin, Germany, Department of Psychiatry and Psychotherapy; [2]Charité – Universitätsmedizin Berlin, Germany, Department of Psychosomatic Medicine
E-mail address: michael.kaczmarczyk@charite.de

P095: Thyroid axis activity and dopamine function in major depression

Fabrice Duval, Marie-Claude Mokrani, Alexis Erb, Felix Gonzalez, Cécile Calleja, Chourouk Allouche
Centre Hospitalier APF2R, France
E-mail address: f.duval@ch-rouffach.fr

P096: Examining the role of sex hormones in postpartum depression: polygenic risk scores and adult hippocampal neurogenesis

Demelza Smeeth[1], Alish Palmos[2], Thomas Bridge[1], Cathryn M Lewis[2], Timothy R Powell[2], Sandrine Thuret[1]
[1]Department of Basic and Clinical Neuroscience, King's College London, United Kingdom; [2]Social, Genetic and Developmental Psychiatry, King's College London, United Kingdom
E-mail address: demelza.smeeth@kcl.ac.uk

P097: Glucocorticoid sensitivity of the innate immune system in depression subtypes

Silja Bellingrath[1], Marijke Bisping[1], Oliver Ambrée[2], Volker Arolt[3]
[1]University Duisburg-Essen, Germany; [2]University of Osnabrueck, Germany; [3]University Hospital Muenster, Germany
E-mail address: silja.bellingrath@uni-due.de

P098: Depressogenic Variables and Hypothalamus-Pituitary-Adrenal (HPA) Axis Activity

Natalie R. Pottschmidt, Tony J. Cunningham, Michelle M. Wirth
University of Notre Dame, United States of America
E-mail address: npottsch@nd.edu

P099: Hair cortisol and stress coping: Differences in bipolar disorder and healthy controls

Tanja Macheiner, René Pilz, Riccarda Hartleb, Ursula Danner, Frederike Fellendorf, Susanne A. Bengesser, Martina Platzer, Nina Dalkner, Armin Birner, Robert Queissner, Hans-Peter Kapfhammer, Vera H. Fengler, Karine Sargsyan, Eva Z. Reininghaus
Medical University of Graz, Austria
E-mail address: tanja.macheiner@medunigraz.at

P100: Childhood Sexual Abuse predicts Methylation of the Glucocorticoid Receptor Gene (NR3C1) in Borderline Personality Disorder Patients and Controls

Cornelia E. Schwarze[1], Dirk H. Hellhammer[2], Helge Frieling[3], Arian Mobascher[4], Klaus Lieb[5]
[1]University of Heidelberg, Germany; [2]University of Trier, Germany; [3]University Medical School Hannover, Germany; [4]University Medical Center Mainz, Germany; [5]University Medical Center Mainz, Germany
E-mail address: cornelia.schwarze@psychologie.uni-heidelberg.de

P101: Hypothalamic-Pituitary-Adrenal Axis Dysregulation in Non-Suicidal Self-Injury

Bonnie Klimes-Dougan, Erin Begnel, Melinda Westlund Schreiner, Michelle Thai, Nathan Horek, Kathryn Cullen
University of Minnesota, United States of America
E-mail address: klimes@umn.edu

P102: Cortisol levels in typical and non-typical major depressive episodes, using hair and saliva specimens

Andrés Herane Vives[1,2], Toby Wise[1], Valeria De Angel[3], Danilo Arnone[1], Dimosthenis Tsapekos[1], Andrew Papadopoulos[1], Allan Young[1], Anthony Cleare[1]
[1]Centre for Affective Disorders, Department of Psychological Medicine, Institute of Psychiatry, Psychology & Neuroscience, King's College London, London, UK; [2]Departamento de Clínicas, Facultad de Medicina, Universidad Católica del Norte, Coquimbo, Chile; [3]Facultad de Medicina, Universidad de Chile, Santiago, Chile
E-mail address: andres.herane@kcl.ac.uk

INTERVENTIONS

P103: Alterations in DNA methylation of FKBP5 following a stress prevention program

Martin Stoffel[1], Elena Gardini[2], Ulrike Ehlert[2], Beate Ditzen[1]
[1]University Hospital Heidelberg, Germany; [2]Universität Zürich, Schwitzerland
E-mail address: martin.stoffel@med.uni-heidelberg.de

P104: Effect of mindfulness training on stress reduction during pregnancy

Sergey Kiselev, Inna Volik
Ural Federal University named by the First President of Russia B.N. Yelsin., Russian Federation
E-mail address: s.j.kiselev@urfu.ru

P105: Effect of the maternal mindfulness training during pregnancy on neurocognitive development in preschool children

Sergey Kiselev, Inna Volik
Ural Federal University named by the First President of Russia B.N. Yelsin., Russian Federation
E-mail address: s.j.kiselev@urfu.ru

P106: Mindfulness Modulates Biomarkers and Cognition in Elderly with Mild Cognitive Impairment (MCI): A Randomized Controlled Trial (RCT)

Kheng Siang {Ted} Ng[1], Johnson Fam[1,2], Lei Feng[1], Irwin Kee-Mun Cheah[3], Crystal Tze-Ying Tan[4], Fadzillah Nur[1], Sin Tho Wee[5], Lee Gan Goh[6], Wei Ling Chow[7], Roger Chun-Man Ho[1,2], Anis Larbi[4], Ee Heok Kua[1,2], Rathi Mahendran[1,2]

[1]Department of Psychological Medicine, National University of Singapore; [2]Department of Psychological Medicine, National University Hospital; [3]Department of Biochemistry, National University of Singapore; [4]Singapore Immunology Network, Agency for Science, Technology and Research; [5]Office of the President, National University of Singapore; [6]Department of Family Medicine, National University of Singapore; [7]Development Office, National University of Singapore

E-mail address: a0047115@u.nus.edu

P107: Hair cortisol as predictor of psychotherapy response in affective disorders

Susanne Fischer[1,2], Sinéad King[2], Andrew Papadopoulos[2], Matthew Hotopf[2], Allan H. Young[2], Anthony J. Cleare[2]

[1]University of Zurich, Clinical Psychology and Psychotherapy, Switzerland; [2]King's College London, Institute of Psychiatry, Psychology & Neuroscience, United Kingdom

E-mail address: s.fischer@psychologie.uzh.ch

P108: Sex-dependent effects of central insulin on fear extinction in healthy humans

Diana S. Ferreira de Sá, Tanja Michael

Division of Clinical Psychology and Psychotherapy, Department of Psychology, Saarland University, Saarbrucken, Germany

E-mail address: diana.ferreira@uni-saarland.de

P109: Effects of a fixed herbal drug combination (Ze 185) to an experimental acute stress setting in healthy men – an explorative randomized placebo-controlled double blind study

Sibylle Meier[1], Manuel Haschke[2], Catherine Zahner[3], Esther Kruttschnitt[3], Simon Nicolussi[3], Jürgen Drewe[3], Evangelia Liakoni[2], Felix Hammann[2], Jens Gaab[1]

[1]Division of Clinical Psychology and Psychotherapy, Faculty of Psychology, University of Basel, Switzerland; [2]Division of Clinical Pharmacology and Toxicology, University Hospital Basel, Switzerland; [3]Max Zeller Söhne AG, Romanshorn, Switzerland

E-mail address: simon.nicolussi@zellerag.ch

P110: Effect of addition of aripiprazole to antipsychotic treatment on dopaminergic activity in schizophrenic patients

Fabrice Duval, Marie-Claude Mokrani, Felix Gonzalez, Than Son Diep, Alexis Erb, Chourouk Allouche, Cécile Calleja

Centre Hospitalier APF2R, France

E-mail address: f.duval@ch-rouffach.fr

P111: Elevation of prolactin levels by risperidone and olanzapine in adolescents with schizophreniform disorders: correlations with drug plasma concentrations

Fabrice Duval, Marie-Sabine Guillon, Marie-Claude Mokrani, Marc-Antoine Crocq

Centre Hospitalier APF2R, France

E-mail address: f.duval@ch-rouffach.fr

NOTES

Imprint

Editors

Prof. Dr. Ulrike Ehlert, Conference Chair
Dr. Roberto La Marca

Editorial Team

Dr. Rita Amiel Castro
Dr. Pearl La Marca-Ghaemmaghami
MSc Tim Lacker

Editorial Office

Dr. Roberto La Marca
University of Zurich
Department of Psychology
Clinical Psychology and Psychotherapy
Binzmuehlestrasse 14 / 26
CH-8050 Zurich
Switzerland
E-Mail: secretariat@ispne2017.ch
www.ispne2017.ch

Graphic Design

Stephanie Lippert
Information Technology – MELS, University of Zurich

Photocredits

Coverimage: © Zurich Tourism
Page 6: © University of Zurich; Manfred Richter
Page 8 and 9: © Quai 61

GENES AND HORMONES: KEY FACTORS OF WELLBEING THROUGHOUT THE LIFESPAN

ZURICH SWITZERLAND 2017