

**BIOGRAPHICAL SKETCH**

Provide the following information for the Senior/key personnel and other significant contributors.  
**DO NOT EXCEED FIVE PAGES.**

NAME: DDr. Ipsiroglu, Osman S.

POSITION TITLE: Clinical Associate Professor of Paediatrics (University of British Columbia); Principle Investigator / Director of H-Behaviours Lab (prev. Sleep/Wake-Behaviour Lab) at BC Children's Hospital Research Institute, UBC

**EDUCATION/TRAINING**

INSTITUTION AND LOCATION	DEGREE	COMPLETION	FIELD OF STUDY
University of Vienna	MD	06/1985	Medical School
University of Vienna	Specialist in Paediatrics & Adolescent Health; Neonatology & Intensive Care	01/1997	Residency, fellowship, [broken up by three research fellow positions in Graz & Muenster]
Vienna University of Economics & Business Administration	Diploma	10/1999	Hospital Management
Vienna University of Economics & Business Administration	MAS	10/2003	Hospital Management
Medical University of Vienna	PhD (venia legendi)	01/2005	Paediatrics, Pediatric Neurology, Cerebral Autoregulation
Vienna University of Economics & Business Administration	MBA	09/2007	Health Care Management
University of British Columbia	PhD	01/2016	Interdisciplinary Studies in Medical Anthropology, Educational Psychology & Developmental pediatrics

**Positions and Employment**

2005-...	Clinical Associate Professor, BCCH Sleep Program, Divisions of Child & Adolescent Psychiatry, Respiriology & Developmental Paediatrics (Departments of Psychiatry & Paediatrics), BC Children's Hospital, University of British Columbia, Canada
2011-2016	Adjunct Professor, Faculty of Allied Health, Thompson Rivers University, Canada
1993-2005	Clinical Fellow, Consultant, Lecturer – University of Vienna, Medical University of Vienna, Austria
2001-2003	Chief Consultant -- (of the Developmental Centers Lower Austria South, VKKJ), Austria
1992-1993	Research Fellow, University of Muenster, Germany
1991-1992	Residency, Clinical & Research Fellow, Lecturer, Karl-Franzens Universitaet Graz, Austria
1985-1989	Residency, Karl-Franzens Universitaet Graz, Austria

**Profile**

(1) Areas of Research & Specialization (in chronological order): (a) Infant / Child Development, Cerebral Autoregulation (habilitation theme), Sudden Infant Death Syndrome (prevention campaign), Sleep Medicine (Director; first accredited pediatric sleep lab in Austria), Pediatrics and Medical Anthropology (PhD theme), Disruptive Behaviours & Behavioural Medicine, Sleep in Neurodevelopmental Medicine & Neuropsychiatry (current work); (b) Health Services, Communication and Public Relations, Intercultural and Ethnic Relationships, Transcultural Care (diploma and master theses)

(2) Research Disciplines: Behavioural Medicine, Pediatrics, Child & Adolescent Psychiatry, Treatment Evident Adverse Events, Medical Anthropology, Educational Psychology

(3) Infrastructure related Keywords: Quality Improvement, Prevention Campaigns, Social Pediatrics, Hospital and Health Care Management, Teaching, Research

## Selected Papers at UBC

- (1) Singh I, McWilliams S, Leung W, Stockler S, & Ipsiroglu OS. **Iron Deficiency and Neurodevelopmental Disorders - A Scoping Review.** *Frontiers in Psychiatry* (under revision).
- (2) Beyzaei N, Bao S, Bu Y, Hung L, Hussaina H, Maher KS, Chan M, Garn H, Kloesch G, Kohn B, Kuzeljevic B, McWilliams S, Spruyt K, Tse E, Machiel Van der Loos HF, Kuo C, Ipsiroglu OS. **Is Fidgety Philip's ground truth also ours? The creation and application of a machine learning algorithm** (2020). *J Psychiatr Res.* 131:144-151.
- (3) Tan-MacNeill KM, Smith IM, Weiss SK, Johnson SA, Chorney J, Constantin E, Shea S, Hanlon-Dearman A, Brown CA, Godbout R, Ipsiroglu O, Reid GJ, Corkum PV. (2020). **An eHealth insomnia intervention for children with neurodevelopmental disorders: Results of a usability study.** *Research in Developmental Disabilities.* 98: 103573.
- (4) Leung W, Singh I, McWilliams S, Stockler S, & Ipsiroglu OS. (2020). **Iron Deficiency and Sleep - A Scoping Review.** *Sleep Medicine Reviews.* 51: 101274.
- (5) Ipsiroglu OS, Wind K, Hung YA, Berger M, Chan F, Yu W, Stockler S, & Weinberg J (2019). **Prenatal alcohol exposure and sleep-wake behaviors: exploratory and naturalistic observations in the clinical setting and in an animal model.** *Sleep Medicine.* 54: 101-112.
- (6) Corkum P, Weiss S, Hall W, Brown C, Chambers C, Constantin E, Godbout R, Hanlon-Dearman A, Ipsiroglu O, Reid GJ, Shea S, Smith IM, Stremmer R, Witmans M. (2019). **Assessment and treatment of pediatric behavioral sleep disorders in Canada.** *Sleep Medicine.* 56: 29-37.
- (7) Rigney G, Ali NS, Corkum PV, Brown CA, Constantin E, Godbout R, Hanlon-Dearman A, Ipsiroglu O, Reid GJ, Shea S, Smith IM, Van der Loos HF, Weiss SK. (2018). **A systematic review to explore the feasibility of a behavioural sleep intervention for insomnia in children with neurodevelopmental disorders: A Transdiagnostic Approach.** *Sleep Medicine Reviews.* 41: 244-254):
- (8) Ipsiroglu, O.S., Beyzaei, N., Dhalla, S., Wagner, A., Berger, M., Garden, J., & Stockler, S. (2016). **'Emplotted Narratives' and Structured 'Behavioral Observations' supporting the diagnosis of Willis Ekbom Disease/Restless Legs Syndrome in Children with Neurodevelopmental Conditions.** *CNS Neuroscience & Therapeutics.* 11: 894-905
- (9) Jan J, Asante K, Conry J, Fast D, Bax M, Ipsiroglu O, et al. (2010). **Sleep Health Issues for Children with FASD: Clinical Considerations?** *International Journal of Pediatrics,* 2010, 1-7. 12.
- (10) Jan J, Owens, J, Weiss M, Johnson K, Wasdell M, Freeman R, Ipsiroglu O (2008). **Sleep Hygiene for Children with Neurodevelopmental Disabilities.** *Pediatrics,* 122, 1343-1350.
- (11) Ipsiroglu OS, McKellin WH, Carey N, Looock C. (2013). **"They silently live in terror..." why sleep problems and night-time related quality-of-life are missed in children with a fetal alcohol spectrum disorder.** *Social Science & Medicine* (1982). 79: 76-83.
- (12) Ipsiroglu, O., Jan, J., Freeman, R., Laswick, A., Milner, R., Mitton, C., et al. (2008). **How to approach pediatric sleep in British Columbia: a consensus paper.** *British Columbia Medical Journal (BCMj),* 50(9), 512-516.

## Selected Papers (Medical University of Vienna)

- (1) Stockler S, Moeslinger D, Herle M, Wimmer B, Ipsiroglu O. (2012) **Cultural aspects in the management of inborn errors of metabolism.** *Journal of Inherited Metabolic Disease.* 2012 Feb 23. Epub ahead of print.
- (2) Ipsiroglu OS, Aksu F: **Transkulturelle Paediatric.** In Ch Speer & M Gahr (eds): *Paediatric Springer* 2009, 42:963-969 [[Chapter 42 in German Pediatrics Textbook: Epidemiology/Social Paediatrics. *Transcultural Paediatrics*; 3rd press]
- (3) Ipsiroglu OS, Krägeloh-Mann Ingeborg, Schöning Martin, Stöckler-Ipsiroglu Sylvia. **Neurology.** In Ch Speer & M Gahr (eds): *Paediatric Springer* 2009, 11:241-280 [Chapter 11 in German Pediatrics Textbook]
- (4) Ipsiroglu OS. **Transkulturelle Paediatric: Fakten, Thesen, Loesungen.** [Transkulturelle Paediatric Facts, Hypotheses, Solutions] *Neuropaediatric* 2008; 7: 38-46
- (5) Stöckler-Ipsiroglu S, Herle M, Ipsiroglu OS. **Besondere Aspekte in der Betreuung von Kindern mit angeborenen Stoffwechselerkrankungen aus Migrantenfamilien** [Special aspects of the care of children with inborn metabolic diseases from immigrant families]. In St. vom Dahl, U. Wendel, G. Strohmeyer (eds): *Genetisch bedingte Stoffwechselerkrankungen. Behandlung, Kosten, sozialmedizinische Aspekte.* [Inborn Errors of Metabolism. Therapy, Costs, Socialpaediatric Aspects] *Deutscher Ärzte-Verlag* 2006 Koeln, pp 7-12. 5.
- (6) Ipsiroglu OS, Kurz R. **Herausforderung Migration. Der Alltag in der Pädiatrie.** (The challenges of migration: everyday life in pediatrics) *Monatsschrift Kinderheilkd* 2005; 153:6-7.
- (7) Ipsiroglu OS, Wimmer B, Stöckler-Ipsiroglu S. und Pöschhacker F (2005). **Grundlage für das Positionspapier der Österreichischen Gesellschaft für Kinder- & Jugendheilkunde zum Thema „Kommunikationsbarrieren in der Betreuung von Migranten-Kindern und ihren Familien“.** In Binder S, Rasuly-Paleczek G, Six-Hohenbalken M (eds): *Herausforderung Migration. Beiträge zur Aktions- und Informationswoche der Universität Wien anlässlich des „UN International Migrant's Day“* Wien Abhandlungen zur Geographie und Regionalforschung Band 7, 2005.
- (8) Ipsiroglu OS, Stöckler-Ipsiroglu S, Kraegeloh-Mann I, Schoening M. Kapitel XI: **Nervensystem** [Chapter XI: Neurology]. *Lehrbuch Pädiatrie.* [Pediatric Textbook] In Ch. Speer, M Gahr (eds), Springer Verlag 2005, *Pediatric Textbook* (2. press), 293-348
- (9) Ipsiroglu OS, Urschitz MS, Kerbl R, Kurz R. (2000). **4th Austrian SID Consensus-Consultation and the Viennese SID prevention campaign "Secure Sleep".** *Wiener Klinische Wochenschr.* 112(5): 182-197.
- (10) Ipsiroglu OS, Eichler F, Stöckler-Ipsiroglu S. (1999). **Doppler Sonography of the Neonate - A Résumé after 20 Years and Future Aspects.** *Clinics in Perinatology.* 26(4): 905-946.

## Personal Statement

### *Transcultural Pediatrics.*

During my residency at the Department of Pediatrics, Karl-Franzens University, Graz - based on my interest in the applicability of Western Medicine in non-western countries - I had the opportunity to develop the seminar series *Medizinexport*.

Subsequently, the Austrian Paediatric Society implemented a *Medizinexport* section under which I continued organizing conferences and activities such as the first aid project *Bosnien Hilfe* in 1993 and the fact-finding mission for the *Österreichische Kinderspital Gjumri* in Armenia.

In 2000, supported by the City of Vienna, together with collaborators from Germany, I initiated the *Transcultural Pediatrics* initiative, which led to the implementation of various transcultural activities such as the *Transcultural Pediatrics Working Group* and the *Transcultural Pediatrics Award* of the German Society for Social Paediatrics.

The *Monatsschrift fuer Kinderheilkunde*, the official organ of the Austrian and German Societies for Paediatrics, devoted a special issue to Transcultural Pediatrics and the concept has been implemented in pediatric curricula via conferences (at annual meetings in Austria and Germany), postgraduate courses, symposia and presentations, as well as peer reviewed articles and textbook articles.

### *Life-long Learning & Professional Development.*

In Canada, based on my interest in child-development, sleep disorders, their acceptance and treatment concepts by the medical system and lay-audience, as well as socio-cultural aspects of medicine and adherence research, I embarked on an interdisciplinary PhD study at the University of British Columbia. Qualitative methodologies supported me in the development of a concept for a functional sleep/wake-behavior assessment using *movie script* like descriptions (*emplotted narratives*) and structured behavioural observations with focus on effects of sleep deprivation on challenging and disruptive daytime behaviours and mental health diagnoses. These methodologies are applied in international studies in Australia, North America and Europe. Based on similar methodologies a freely downloadable machine-learning algorithm has been developed in my research lab, enabling the investigation and differentiation of phenotypical characteristics of attention deficit hyperactivity disorder, restless legs and agitation syndrome for investigating treatment evident adverse events.

### *Suggested Postgraduate Courses.*

Culture and lifestyle affect perceptions and comprehension. Lifestyle is affected by family and friends, work, ethos (applied ethics), diet, physical exercise, and sleep – all are foundational for mental health, physical and emotional wellbeing. In our international academic network, we have gained high-level expertise in integrating behavioural cues and using narrative-based mutually shared explanatory models, for overcoming cultural barriers. The goal of the International Academy for *Participatory Medicine – Participatory Democracy* with special focus on *Participatory Pediatrics* is to implement and disseminate translational, transdisciplinary, and transcultural, skills. These skill set will support the recognition of medical and non-medical causes of disruptive behaviours in a sensitive and culturally appropriate way and strengthen communication, thus integration of personally meaningful outcome measures in pediatric clinical best practice thus in consequence active involvement of affected individuals and their adherence. The target audience includes providers in clinical and non-clinical, community-based educational settings.

Our international academic network, which includes clinicians, researchers and community-based advocates, from more than thirty centers has recently been invited to curate these topics under the new research theme of “Sleep, Vigilance & Disruptive Behaviours” – a project I am spearheading as the *senior team member* and *moderator of the guest editorial board* of this *Frontiers in Psychiatry* theme. The grounded concepts, we are proposing address downgraded children, youth and young adults and reaching out to ghettoized communities of populations marginalized due to their social status, ethnic heritage, and/or gender and sexual orientation. As a European citizen, with Turkish roots, living and working in Canada, I feel extremely honored to develop and implement such a series of unique postgraduate courses, each of them consisting of several modules integrateable in existing Master curricula with a group of colleagues, who share similar values building on humanism and laicism.