

2nd International Multidisciplinary Paediatric & Neonatal Acute and Critical Care Research School

Institute of Higher Education and Research in Healthcare – IUFRS

14th-15th January 2016, Lausanne, Switzerland



AIMS

The 2nd IMPNACC research school has been designed to offer participants a total immersion in paediatric and neonatal acute and critical care research. Logistics were optimized to allow exchange and participants networking by centralizing the school, lunches and hotel near the IUFRS. In addition an Ask the experts Dinner will take place at the end of day 1 and will enable participants to share questions directly with the experts in the paediatric and neonatal fields.

The two full days of the research school are structured to give room for :

- Building national, European and international research collaborations.
- Creating networks of early career and senior researchers.
- Providing high quality methods teaching opportunities.

KEYNOTE SPEAKER



Dr Martha A.Q. CURLEY, RN, PHD, FAAN University of Pennsylvania - USA

Dr Martha A. Q. Curley is the Ellen and Robert Kapito Professor in Nursing Science at the University of Pennsylvania School of Nursing. She also holds a joint appointment in Anesthesia and Critical Care Medicine at the University's Perelman School of Medicine and is a nurse scientist at Boston Children's Hospital. Her research, funded by NHLBI, NINR and NICHD, has specifically focused on nurse-implemented interventions. Over several decades, her studies have illuminated relationship-based care when partnering with parents-of-critically-ill children, supported parent presence during invasive procedures and resuscitation, and have informed the practice of caring for critically-ill paediatric patients with acute respiratory failure. Dr. Curley has also led the development and dissemination of core metrics in the field of paediatrics. Dr. Curley received her diploma in nursing from Springfield Hospital School of Nursing, her BS from the University of Massachusetts at Amherst, her MSN in acute care paediatrics from Yale School of Nursing and her PhD from Boston College.

Extended Bio and work: <http://www.marthaqcurley.com/>

INVITED SPEAKERS



Prof. Andrea SUPERTI-FUGA - CHUV – Switzerland

Dr. Andrea Superti-Furga has obtained his medical degrees at the Universities of Genoa and Zurich and certification in Paediatrics in Italy and Switzerland. His mentors were Professors Paolo Durand, Victor McKusick, Andrea Prader, Andreas Fanconi, Andres Giedion, Richard Gitzelmann and Beat Steinmann. He developed a research activity on inborn diseases in Zurich and in New York with Prof. Francesco Ramirez. He was appointed Full Professor for Molecular Paediatrics at the University of Lausanne in 2002, and Chairman of the Department of Paediatrics at the University of Freiburg, Germany, in 2004. In October 2010 he was awarded the Leenaards Chair of Excellence in Paediatrics at the University of Lausanne, and in 2014 he was appointed Director of the Department of Paediatrics at the CHUV.

A representative of science- and molecular biology-based paediatrics both in research and in clinical practice, Dr. Superti-Furga maintained strong ties to general clinical paediatrics as well as pre-graduate and post-graduate teaching of paediatrics. He is committed to a holistic approach to paediatrics with a comprehensive perspective that includes the genetic and molecular bases of development and disease, the growth and development of healthy children as well as those with chronic disease, and the social, economical and ethical issues around disabled children and their families.



Prof. Umberto SIMEONI - CHUV- Switzerland

Umberto Simeoni is Professor of Paediatrics at Faculté de Biologie et de Médecine, University of Lausanne and Director of the Division of Paediatrics and of the Developmental Origins of Health and Disease (DOHaD) Research Unit at CHUV University Hospital in Lausanne Switzerland.

He graduated at Louis Pasteur University, Strasbourg, France, where he later worked in the position of Professor of Paediatrics and Director of Neonatal and Paediatric Intensive Care Units at Strasbourg University Hospital, up to 2001. He then moved as Professor of Paediatrics and Director of the Department of Neonatology at Aix-Marseille University and AP-HM University Hospital in Marseille, France until 2014.

His research is oriented towards the Developmental Origins of Health and Disease (DOHaD), with a special focus on the developmental programming of the cardio-vascular system in conditions of perinatal disease, such as intrauterine growth-restriction, preterm birth or exposure to maternal overweight/obesity and gestational diabetes. He also is highly interested in perinatal bioethics. He authored and co-authored more than 150 referenced articles, several books on neonatology, and more than 300 invited lectures. Umberto Simeoni is currently President of the European Association of Perinatal Medicine and President of the Société Francophone DOHaD.



Prof. Jean-François TOLSA - CHUV – Switzerland

Specialist in paediatrics and neonatology, Dr. Jean-François Tolsa is Professor at the Faculty of Biology and Medecine at the University of Lausanne and Head of the Clinic of neonatology since 2010.

Appointed associated doctor at the Neonatology Division of the CHUV, he came back to Switzerland in 1997 and created the Neonatal Research Laboratory, unique in Switzerland.

He acquired a wide clinical experience in the particular field of intensive and specialized care of newborns. He developed a particular expertise in the field of pulmonary hypertension of the newborn, both in terms of clinical and basic research and developed new treatments.

The Clinic of neonatology is one of the tertiary reference centers in Switzerland, and Prof. Tolsa promoted his discipline both at the national and international levels.

Very involved in pregraduate teaching, he also played a major role in the creation of specific training in nursing newborns at risk. He also aims to establish a real school of neonatolcare for doctors and nurses.

The laboratory he created continues to develop through different partnerships at a national level on fundamental research projects focusing on developmental biology of the lung. In terms of clinical research, the Clinic of neonatoloy cooperates with different centers, especially in the field of neuro-developmental monitoring of newborns at risk.

Member of several Swiss and international societies, Jean-François Tolsa has received many awards during his career. He, among others, was winner of the Swiss Society of Neonatology, the Leenaards Foundation Award and in 2009, the Fred Bamatter Award for his scientific work.



Prof. Mark Allan DUSCHEIKO - UNIL – Switzerland

Mark Dusheiko is an Assistant Professor at the Institute of Social and Preventive Medicine, University of Lausanne and a Senior Research Fellow at the Centre for Health Economics, University of York. He was awarded a UK Medical Research Council Research fellowship in the Economics of Health and a Swiss School of Public Health and Health

Economics Associate Professorship in Health Services Research. Mark has 16 years experience as a researcher with interests in evaluating the effects of financial incentives and organizational change in primary health care on patient health outcomes, utilization, costs and quality of care. He has been involved in UK Department of Health national research projects. Mark received an MSc in Health Economics and a PhD in Economics from the University of York. He teaches on masters courses in health economics and management and supervises EMBA and MAS students specialized in health care at the University of Lausanne.

Dr Karine MOSCHETTI - CHUV – Switzerland

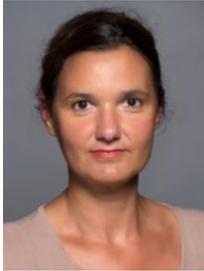
Dr. Karine Moschetti is project manager of health economics research (PhD in Economics) at the Institute of Social and Preventive Medicine (IUMSP) Lausanne University Hospital (CHUV). Her current work consists in conducting some original oriented research projects on subjects linked to health care consumption, its costs and its determinants but also to disability insurance and labor supply using applied econometric techniques. She also has experience in economic evaluation through her work at the Health Technology Assessment Unit of the University hospital of the canton of Vaud and through original oriented research projects that have been published in medical or health services research journals.



Dr Laura RIO MARQUES - IUFRS - UNIL - CHUV – Switzerland

Dr Laura Rio Marques has obtained her PhD in Life Sciences from the Faculty of Biology and Medicine of the University of Lausanne (UNIL). Her main research topic was the use of emergent technologies to develop new methods for the diagnosis and prevention of bacterial resistant pathogens. Her research consisted in an interdisciplinary project funded by the Swiss National Science Foundation, in collaboration with an engineering group from the Ecole Polytechnique Fédérale de Lausanne (EPFL). As a result a new diagnostic tool based on the atomic force microscope (AFM) for the detection of antibiotic resistance, which is able to detect resistance in a few hours instead of the traditional 24-48 hours needed, was created. Her second line of research was the study of methicillin-resistant *S. aureus* (MRSA) with reduced susceptibilities to vancomycin and she showed that the simple measurement of their cell-wall stiffness by AFM could predict this phenotype. Finally, also at the forefront of innovation and technology, another part of her research consisted in testing of novel copper-sputtered surfaces against MRSA. She demonstrated its high bactericidal activity and its potential to be used in the clinical setting. Her pioneering work is suited to the current trend in sciences towards interdisciplinary and cross-science research.

SCIENTIFIC COMITTEE



Prof. Anne-Sylvie RAMELET, RN, PHD - IUFERS – UNIL - CHUV – Switzerland

Dr. Anne-Sylvie Ramelet is Professor of Nursing Science and Director of the Institute of Higher Education and Research in Healthcare of the Faculty of Biology and Medicine at the University of Lausanne, Switzerland. She is also Co-President of the Nursing Directorate Research and Development Commission and Paediatric Nursing Research Consultant at the Teaching Hospital of the canton of Vaud-CHUV, Switzerland. Her research programme has focused on pain in non-verbal children in intensive care, and family support in paediatric and neonatal critical care as well as in general paediatrics, including chronically ill children. Anne-Sylvie Ramelet received her hospital-trained nursing diploma and intensive care certificate in Lausanne and her Bachelor of Nursing (Hon) and PhD in nursing sciences from the School of Nursing at Curtin University, Australia. Prior to her academic career, she worked as a registered nurse in neonatal, paediatric and adult intensive care for more than 15 years.



Dr Lyvonne TUME, RN, PHD - University of Central Lancashire – UK

Dr Lyvonne Tume is a Senior Clinical Research Fellow to the Children's Nursing Research Unit at Alder Hey Children's NHS Hospital from the University of Central Lancashire. She is also chair of the national Paediatric Intensive Care Society nursing study group and the elected chair of the European Society of Paediatric and Neonatal Intensive Care Nurse Science section, and vice chair of an NHS Research Ethics Committee. She is a clinical nurse on the PICU and her research programme is focused on optimization of nursing care quality and prevention of adverse events by predicting earlier deterioration. She is currently leading a randomized crossover trial of open vs closed endotracheal suction in post-operative high risk cardiac infants and involved in a large multicenter study of paediatric early warning systems and their implementation. She has worked in the specialty of critical care (both adult and paediatric) since 1991 both in Australia and in the UK.



Dr Jos M. LATOUR, RN, PHD - University in Plymouth – UK

Dr Jos Latour is Professor in Clinical Nursing at Plymouth University in Plymouth, UK and at Curtin University, Perth, Australia. His clinical post is based at Musgrove Park Hospital in

Taunton, Somerset, UK, where he is leading the Clinical School for the Somerset region, which aims are to enable research translation in clinical practice, to build research capacity, and to develop and value a research culture in clinical settings. The research lines of Jos Latour are related to consumer empowerment and involvement in health care as well as end-of-life care practices, paediatric sepsis, dementia and transition of adolescents with chronic illness from paediatrics to the adult care. Besides research, he is actively involved in the promotion of evidence-based and evidence-informed care. His vision is to narrow the gap between research, education, and clinical practice.

Detailed research school program

Thursday 14th January 2016

Day 1: Neonatal and paediatric critical care research: Team up!

8:30	<i>Registration</i>		
9:00	Welcome and introduction A-S.Ramelet (Switzerland)		
9:15	Team science : Creating a “dream team” for research M. Curley (USA)		
10:00	Swisspednet : an opportunity for interdisciplinary clinical research in paediatrics A. Superti Furga (Switzerland)		
10:45	<i>Coffee and networking</i>		
11:15	Your research : a 2 minutes elevator pitch (Part I) L. Rio (Switzerland)		
11:30	Team building exercise : The marshmallow challenge L. Rio (Switzerland)		
12:30	<i>Lunch at La Ferme and Networking</i>		
13.30	Translational research : From bench to bedside J-F. Tolsa (Switzerland)		
14:00	WORKSHOP SESSIONS		
	A. Mixed methods A-S.Ramelet (Switzerland) L. Tume (UK)	B. Qualitative methods J. Latour (UK)	C. Cost-effectiveness M. Allan Dusheiko (Switzerland) K. Moschetti (Switzerland)
18:00	<i>End of day 1</i>		
20:00	Dinner at the Aquatis: Ask the experts		

Friday 15th January 2016

Day 2: Personal branding in research: the cycle of funding and publication

8:30	Your research : a 2 minutes elevator pitch (Part II) L. Rio (Switzerland) and All participants	
10.30	<i>Coffee and networking</i>	
11:00	Top Tips for Scientific writing Article, abstract and poster writing : J. Latour (UK) Protocol and grant writing : M. Curley (USA)	
12:00	<i>Lunch at La Ferme and networking</i>	
13:00	WORKSHOP SESSIONS	
	A. Article, abstract and poster writing J. Latour (UK) L.Tume (UK)	B. Protocol and grant writing M. Curley (USA) U. Simeoni (Switzerland)
17:00	Review and Evaluation of the 2 nd Research School <i>End of day 2</i>	

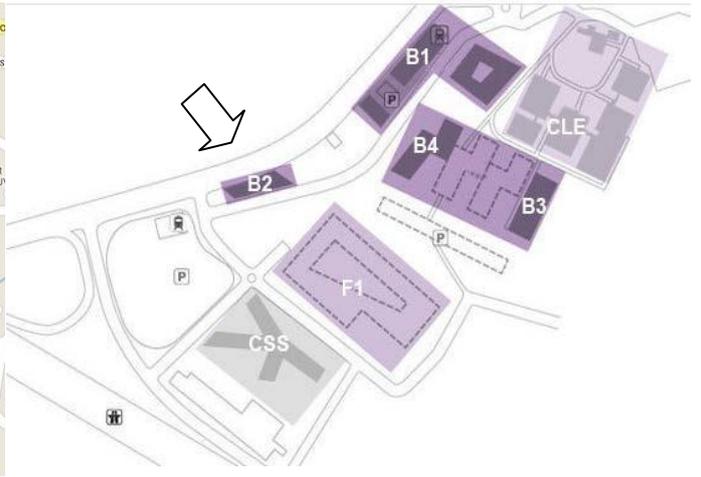
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How to find us ?

We are located at the Biopôle 2 building, which is indicated by the A letter, on the left side map (B2) :



By car (highway A9)

From Geneva : follow the « Lausanne – Nord – Simplon – Grand St-Bernard » direction. Exit highway at «Lausanne – Vennes, Hôpitaux».

From Bern, Fribourg, Vevey : Exit highway at « Lausanne-Vennes, Hôpitaux ».

At the exit you will arrive onto Berne street, follow Berne – Moudon and turn immediately right and follow parking– Relais direction « P+R Vennes ». The Biopôle 2 (B2) - IUFRS is the metallic grey building in front of the parking.

Address:
Parking-Relais « P+R Vennes », Route de Berne 150, 1010 Lausanne.

By public transportation

From the Lausanne train station, take the metro **M2** , **direction Croisettes** and stop at « **Vennes** » station. The Biopôle 2 (B2) - IUFRS is the metallic grey building in front of you.