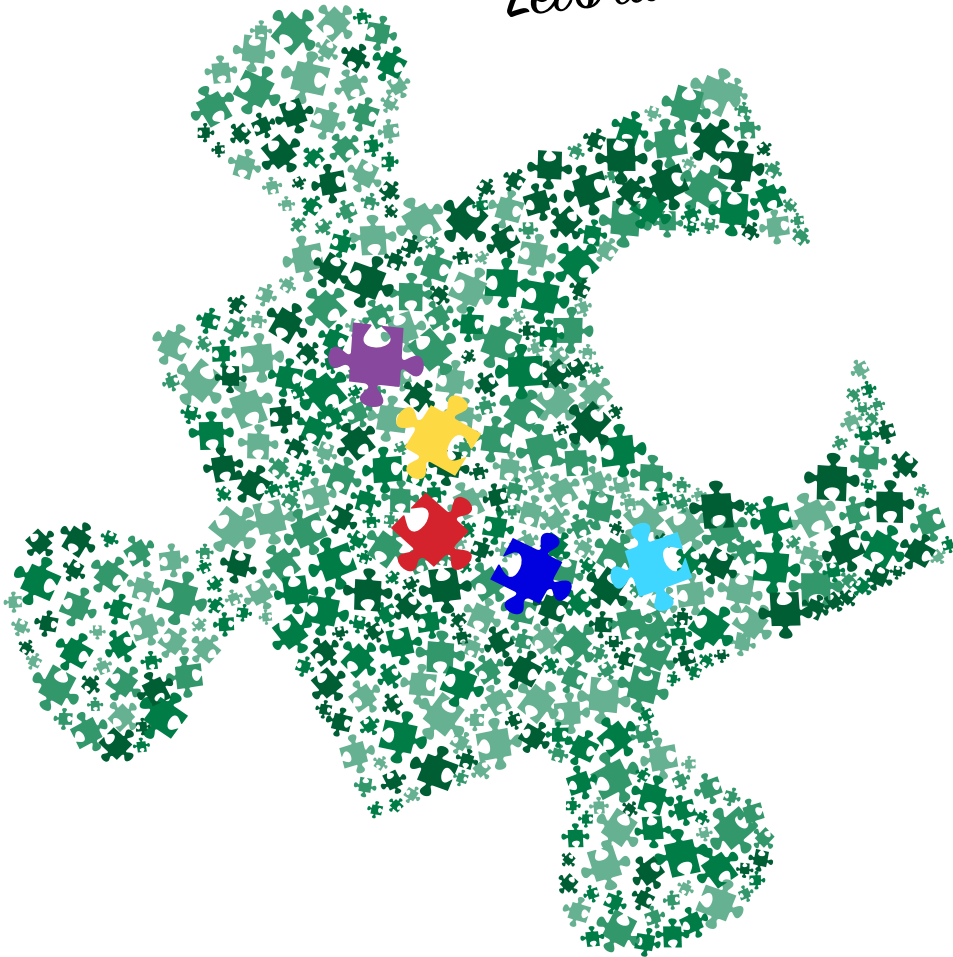


14th Arapi's Autumn University

Autism and environments :

Let's talk about it !



October 2nd – 6th 2017, Le Croisic

Autism Spectrum Disorders (ASD) result from neurodevelopmental alterations, but the causes of their onset are still unknown. Genetic anomalies have been identified and some of them were directly correlated to ASD. Concurrent with the improvement of detection thresholds in genetics methods, a rising number of mutations are still being discovered. The extent of their correlation with ASD and their implication as aetiologic factors have yet to be demonstrated. This genetic influence, that seemed to prevail so much over the aetiology of ASD according to the scientific literature for the last 10 years, has now to be reconsidered and moderated in light of the exponential increase of the ASD prevalence reported by epidemiology studies. Thus, **the impact of environmental factors could be as important as genetic effects in the ASD pathogenesis.** The environmental factors that may constitute risk factors for ASD (advanced parental age at conception ; exposure to toxics, pollutants, drugs during pregnancy; hormones; premature birth; neonatal hypoxia; infectious and/or inflammatory process ; stress) still need to be defined. Synergistic effects of environmental factors on genes could be based on complex biological and molecular mechanisms - epigenetic amongst other processes that change gene expression without modifications to the underlying DNA sequence. The influence of the environment is also assessed through the progression of ASD according to the types of interventions - developmental, educational, rehabilitation - and the environmental adjustments put in place. The topic of the 14th Arapi's Autumn University - "**Autism and environments: let's talk about it !**" - will be approached from two perspectives: the environment as a potential cause of ASD, and the environment as a factor affecting clinical manifestations and their evolution over the lifetime.

The Arapi Autumn University is organized in collaboration with the University of Tours and the University of Toulouse and is aimed at a broad audience, including researchers from various disciplines (neuroscience, biology, genetics, pharmacology, psychology...), clinical practitioners (physicians, psychiatrists, paediatricians, psychologists), speech therapists, psychomotor therapists, teachers, education professionals, medical-social workers, PhD candidates, and parents involved in patients' associations.

This event promotes the up-to-date knowledge relevant to ASD, gathers basic and applied research, and aims to arouse collaborative research projects.

Monday October 2nd

Tuesday October 3rd

Wednesday October 4th

Thursday October 5th

Friday October 6th

Monday October 2 nd		Tuesday October 3 rd		Wednesday October 4 th		Thursday October 5 th		Friday October 6 th	
Welcome		Session 1	Significance and implication of environmental factors	Session 3	Inflammation and brain development	Session 4	Chemicals, drugs and brain development	Session 6	Workshops
8:00 pm - 9:30 pm	<p>Opening conference: Neurodevelopmental disorders: do genetics explain all ?</p> <p>Jean-Louis Mandel (Collège de France Paris; IGBMC, INSERM U964, CNRS 7104, Illkirch)</p>	9:15 am - 10:45 am	<p>The increased prevalence of ASD: what does it mean ?</p> <p>William Mandy (University College London, UK)</p> <p>Genetics and Environment in multifactorial diseases : what are the new challenges ?</p> <p>Florence Demenais (INSERM UMR 946, Paris)</p>	9:00 am - 10:30 am	<p>Immune inflammatory abnormalities and Autism Spectrum Disorders</p> <p>Marion Leboyer (Fondation FondaMental, Paris)</p> <p>Role of gestational inflammation in the genesis of ASD</p> <p>Guillaume Sebire (University McGill, Montréal, Canada)</p>	9:45 am - 10:30 am	<p>Impact of folic acid, vitamins and nutrients in pregnancy on risk factor for autism in offspring</p> <p>Abraham Reichenberg (Icahn School of Medicine, Mount Sinai, New York, USA)</p>	9:00 am - 12:00 pm	6 parallel workshops
<p>Autism and environments: Let's talk about it !</p>		Session 2	Impact of environmental factors: which biological pathways ?	11:00 am - 1:00 pm	<p>Panel discussion with parents' associations</p> <p>Associations' views about needs of adults with autism in terms of quality of life</p>	Session 5	Impact of interventions on progression profiles in ASD	9:00 am - 12:00 pm	
		11:15 am - 12:00 am	<p>Effects of early-life trauma through generations : epigenetic mechanisms involving germinal cell line</p> <p>Isabelle Mansuy (EPFZ, University of Zurich, Swiss)</p>			11:15 am - 12:45 pm	<p>Comparative survey of services for adults with ASD in Europe: a multi-site assessment by the ASDEU consortium</p> <p>Diana Schendel (Aarhus University, Denmark)</p> <p>Massage therapy reduces the effects of prenatal depression on the newborn</p> <p>Tiffany Field (Touch Research Institute, Miami, USA) & Jaqueline Nadel (UMR 7593 CNRS Centre Emotion, Paris)</p>		
<p>Program</p>		3:00 pm - 4:30 pm	<p>Meet the expert</p> <p>Jean-Louis Mandel (Collège de France Paris; IGBMC, INSERM U964, CNRS 7104, Illkirch) (Session for early researchers and PhD candidates submitting a poster)</p>	2:30 pm - 3:15 pm	<p>From mother to child, psychiatric risks and consequences from in utero exposure to neurodevelopment disruptors</p> <p>Marie-Odile Krebs (INSERM EMI-E0117, Paris)</p>	3:00 pm - 4:30 pm	<p>Assessment of intensive behavioural intervention setting up towards children with autism in Quebec</p> <p>Annie Paquet (UQTR, Quebec, Canada)</p> <p>Psychological and psychometric evaluations of children with disabilities</p> <p>Robert Voyazopoulos (INSHEA, Paris)</p>	9:00 am - 12:00 pm	
				3:30 pm - 4:15 pm	<p>Tribute to Pr Gilbert Lelord</p>				
				4:15 pm - 5:15 pm	<p>Talk: « Another view » Ethics of care in psychiatry. The example of Autisme Spectrum Disorders</p> <p>Sami Richa (Hôtel-Dieu de France, Beirut, Lebanon)</p>				
<p>Program</p>		4:45 pm - 6:15 pm	<p>Sex and gender influences on clinical manifestations of ASD</p> <p>Meng-Chuan Lai (University of Toronto, Canada)</p> <p>Molecular and cell mechanisms regulated by androgens : potential contributors to the increased risk of ASD onset in boys ?</p> <p>Amélie Piton (IGBMC, INSERM U964, CNRS 7104, Illkirch)</p>	5:15 pm - 7:15 pm	<p>Poster Session and cocktail session (starting at 6 pm)</p>	4:30 pm - 6:00 pm	<p>Meet the expert</p> <p>Annie Paquet (UQTR, Quebec, Canada)</p>	9:00 am - 12:00 pm	
				6:00 pm - 6:30 pm		<p>Conclusion</p> <p>President of the scientific committee</p>			

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Program

Scientific Committee:
Catherine Barthélémy,
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Organization Committee
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