



ECMRN

EUROPEAN CONGRESS OF MAGNETIC
RESONANCE IN NEUROPEDIATRICS

MARSEILLE

Faculté de Médecine de la TIMONE

February 26 to 29

www.ecmrn2020.com

2020



ORGANISATION GÉNÉRALE : MCO Congrès

Villa Gaby - 285 Corniche JF. Kennedy - 13007 MARSEILLE

Phone: + 33 (0)4 95 09 38 00



EDITO

Dear Colleagues

Welcome to Marseille for the 2020 meeting of the European Congress of Magnetic Resonance in Neuropediatrics (ECMRN) formerly known as European Society of Magnetic Resonance in Neuropediatrics. (ESMRN).

As in previous meetings, the day before the main event will be a pre-congress day dedicated to fetal, neonatal and infant brain. This educational day addresses basic and advanced topics in this peculiar field.

The congress is intended to provide review and discussion of diseases involving the pediatric brain as well as new trends and clinical applications.

The congress is designed for practicing radiologists whose work includes pediatric neuroradiology and those involved in neurosciences, neurology and/or related fields.

The congress venue is at the Medical School (Faculté de Médecine), 5 stops by subway from downtown Vieux Port.

Abstract submission deadline is 26th november 2019

Pr Nadine Girard
Congress President

Congress Organization Office



Villa Gaby - 285 Corniche Kennedy - 13007 Marseille
Tel: 0033 4 95 09 38 00

Sponsors & exhibition - Céline Burel celine.burel@mcocongres.com

Registrations & abstracts submission - Audrey Martin Bayon audrey.martin@mcocongres.com



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Nuno **CANTO MOREIRA**

Serena **COUNSELL**

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Marjo **VAN DER KNAAP**

Angèle **VIOLA**

Nicole **WOLF**



Wednesday 26th February • PRE-CONGRESS

08:00 - 12:35

THE FETAL BRAIN

- Clinical imaging. *A. Righini (Milan, Italy)*
- DTI : clinical imaging. *G. Kasprian (Vienna, Austria)*
- MRS at 3T. *N. Girard (Marseille, France), A. Viola (Marseille, France)*
- Postmortem. *F. Triulzi (Milan, Italy)*
- Discussion.

10:30 - 10:50

COFFEE BREAK

3D IMAGING

- Preprocessing. *F. Rousseau (Brest, France)*
- Sulcation. *G. Auzias (Marseille, France), J. Lefevre (Marseille, France)*
- Human fetal connectome: micro- to macro-scale imaging.
A. Jakob (Zurich, Switzerland)
- Discussion.

12:35 - 13:30

LUNCH

13:30 - 19:00

THE NEONATAL AND INFANT BRAIN

- The premature: clinical imaging and vulnerability.
M. Benders (Utrecht, The Netherlands)
- The term infant: clinical imaging and vulnerability. *L. De Vries (Utrecht, The Netherlands)*
- Methodology of 1H MR spectroscopy: recent consensus efforts and beyond. *R. Kreis (Bern, Switzerland)*
- Perfusion: techniques and clinical applications. *D. Tortora (Genova, Italy)*
- Discussion.

15:45 - 16:15

COFFEE BREAK

3D IMAGING

- Folding and maturation. *J. Dubois (Paris, France)*
- Volumetrics. *S. Counsell (London, UK)*
- Congenital heart defect and brain development.
M. Benders (Utrecht, The Netherlands)
- Connectome/ chronectome. *D. Christiaens (London, UK)*
- fMRI: what can we learn from resting state. *M. Caulo (Chieti, Italy)*
- Discussion.

19:00

WELCOME COCKTAIL



Thursday 27th February • CONGRESS

08:00 - 08:30	INTRODUCTION
08:30 - 10:25	EARLY ABNORMAL NEURODEVELOPMENT Organizer: <i>C. Deruelle (Marseille, France)</i> <ul style="list-style-type: none">• Autism: where are we? <i>R. Toro (Paris, France)</i>• Fetal alcohol spectrum disorders: what can we learn from MRI morphometrics? <i>D. Germanaud (Paris, France)</i>• What is new in cortex embryology? <i>M. Catala (Paris, France)</i>• New concept of hydrocephalus development. <i>M. Rados (Zagreb, Croatia)</i>• Discussion.
10:25 - 10:55	COFFEE BREAK
10:55 - 12:30	FREE PAPERS
12:30 - 13:30	LUNCH
13:30 - 15:25	NEUROINFLAMMATION / NEURODEGENERATIVE <ul style="list-style-type: none">• Autoimmune encephalitis. <i>M. Caulo (Chieti, Italy)</i>• Neurodegeneration with brain iron accumulation (NBIA). <i>I. Krägeloh-Mann (Tübingen, Germany)</i>• Genetics disorders mimicking white matter inflammatory diseases. <i>O. Boespflug Tanguy (Paris, France)</i>• Biomarkers: what do we have to know? <i>J. Boucraut (Marseille, France)</i>• Discussion.
15:25 - 16:15	FREE PAPERS
16:15 - 16:35	COFFEE BREAK
16:35 - 19:00	EPILEPSY / MALFORMATION Organizer: <i>J. Barkovich (San Francisco, USA), R. Guerrini (Florence, Italy)</i> <ul style="list-style-type: none">• MTOopathies: an enlarging spectrum of brain and systemic disorders. <i>R. Guerrini (Florence, Italy)</i>• Progressive or nonprogressive <i>M. Severino (Genova, Italy)</i>• Neuropathology in paediatric epilepsy. <i>R. Hevner (San Diego, USA)</i>• Malformation of cortical development: a 2020 update. <i>M. Severino (Genova, Italy)</i>• Discussion.
19:00 - 20:00	POSTER TOUR



Friday 28th February • CONGRESS

08:00 - 09:45

WHITE MATTER: METABOLIC

Organizer: *M. Van Der Knaap (Amsterdam, The Netherlands)*

- MR methods to monitor therapy in leukodystrophies.
S. Kolind (Vancouver, Canada)
- Insights gained from MRI: the tRNA synthetase defects.
M. Van Der Knaap (Amsterdam, The Netherlands)
- MRI pattern recognition in mitochondrial leukodystrophies.
S. Roosendaal (Amsterdam, The Netherlands)
- Hypomyelination and the growing list of genes.
N. Wolf (Amsterdam, The Netherlands)
- Discussion.

09:45 - 10:25

FREE PAPERS

10:25 - 10:45

COFFEE BREAK

10:45 - 12:30

VASCULAR DISEASES

- Clinics: pathomechanism of arterial ischemic stroke.
M. Steinlin (Bern, Switzerland)
- Genetic insights into vascular diseases. *I. Ceccherini (Genova, Italy)*
- Imaging of pediatric vascular diseases. *G. Boulouis (Paris, France)*
- Discussion.

12:30 - 13:30

LUNCH

13:30 - 15:15

TUMORS

Organizer: *Z. Patay (Memphis, USA)*

- “2020 update” of the 2016 update of the WHO Classification of Tumours of the CNS. *D. Figarella-Branger (Marseille, France)*
- Radiomics & Deep-Learning for Brain Tumor Imaging and Biomarker Discovery. *G. Brugnara (Heidelberg, Germany)*
- Pediatric postoperative cerebellar mutism syndrome.
Z. Patay (Memphis, USA)
- Discussion.

15:15 - 16:15

FREE PAPERS

16:15 - 16:35

COFFEE BREAK



16:35 - 18:10	TRAUMA: MILD TBI IN CHILDREN
	<ul style="list-style-type: none">• When is a mild TBI imaged? <i>N. Canto Moreira (Stockholm, Sweden)</i>• Clinical presentation and Follow up. <i>M. Chevignard (St Maurice, France)</i>• What can we learn from DTI, MRS, fMRI? <i>J. Hunter (Houston, USA)</i>• Discussion.
18:15 - 19:00	FREE PAPERS
19:00 - 20:00	POSTER TOUR
20:30	GALA DINER

Saturday 29th February • CONGRESS

08:00 - 10:15	TRANSLATIONAL RESEARCH
	<p>Organizer: <i>A. Viola (Marseille, France)</i></p> <ul style="list-style-type: none">• History of Artificial intelligence. <i>S. Cussat-Blanc (Toulouse, France)</i>• Finger printing. <i>T. Christen (Grenoble, France)</i>• Baby -TVB. <i>V. Jirsa (Marseille, France)</i>• Clinical applications of multimodal PET/MR imaging <i>G. Morana (Genova, Italy)</i>• Amide proton transfer imaging (APT_w). <i>P. Sundgren (Lund, Sweden)</i>• Discussion.
10:15 - 10:45	COFFEE BREAK
10:45 - 12:45	FREE PAPERS
13:00	FAREWELL



General Information

REGISTRATION

For registration please visit www.ecmrn2020.mycongressonline.net Early registration is available, the full registration rate will be applied for any forms received after January 10, 2020. Reservations for the various events must be indicated on the registration form. Included are the name badge, admission to the welcome reception and the scientific sessions, congress documentation, lunch on Thursday and Friday, and coffee and tea breaks. When registering locally at the congress information desk, you will receive a ticket for unlimited local transport for the duration of the congress.

Congress registration	Until January 10, 2020	After January 10, 2020
Regular Rate	650 €	750 €
Student Rate	300 €	380 €
Pre-congress (only) on the 26 February	180 €	230 €

*Proof of student status has to be provided by a copy of student identity card.

ABSTRACT SUBMISSION

Do not miss the opportunity to present your scientific works.

You can submit your abstracts till the **26 November 2019** on the dedicated online platform <http://ecmrn2020.mycongressonline.net>

ACCOMODATION

Hotel options are listed on the congress website.

Venue



Faculté de Médecine de la Timone

27 Boulevard Jean Moulin 13385 Marseille

From the railway station «gare Saint Charles», take the subway inside the station.

M1 (6 stops) 10 min, exit metro «Timone» station.

From the airport, 35 min by car or shuttle to the railway station «gare Saint Charles» and take metro.



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