ECMRN
EUROPEAN CONGRESS OF MAGNETIC RESONANCE IN NEUROPEDIATRICS
Marseille
Faculté de Médecine de la TIMONE
February 26 to 29
www.ecmrn2020.com

ORGANISATION GÉNÉRALE : MCO Congrès
Villa Gaby - 285 Corniche JF. Kennedy - 13007 MARSEILLE
Phone: + 33 (0)4 95 09 38 00
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 precongress 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 26\textsuperscript{th} 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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Fabio TRIULZI
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. Jakab (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: C. Deruelle (Marseille, France)
- Autism: where are we? R. Toro (Paris, France)
- Fetal alcohol spectrum disorders: what can we learn from MRI morphometrics? D. Germanaud (Paris, France)
- What is new in cortex embryology? M. Catala (Paris, France)
- New concept of hydrocephalus development. M. Rados (Zagreb, Croatia)
- Discussion.

10:25 - 10:55  COFFEE BREAK

10:55 - 12:30  FREE PAPERS

12:30 - 13:30 LUNCH

13:30 - 15:25  NEUROINFLAMMATION / NEURODEGENERATIVE

- Autoimmune encephalitis. M. Caulo (Chieti, Italy)
- Neurodegeneration with brain iron accumulation (NBIA). I. Krägeloh-Mann (Tübingen, Germany)
- Genetics disorders mimicking white matter inflammatory diseases. O. Boespflug Tanguy (Paris, France)
- Biomarkers: what do we have to know? J. Boucraut (Marseille, France)
- Discussion.

15:25 - 16:15  FREE PAPERS

16:15 - 16:35  COFFEE BREAK

16:35 - 19:00  EPILEPSY / MALFORMATION

Organizer: J. Barkovich (San Francisco, USA), R. Guerrini (Florence, Italy)
- MTORopathies: an enlarging spectrum of brain and systemic disorders. R. Guerrini (Florence, Italy)
- Progressive or nonprogressive M. Severino (Genova, Italy)
- Neuropathology in paediatric epilepsy. R. Hevner (San Diego, USA)
- Malformation of cortical development: a 2020 update. M. Severino (Genova, Italy)
- Discussion.

19:00 - 20:00  POSTER TOUR
### Friday 28th February • CONGRESS

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Organizer</th>
<th>Presentations</th>
</tr>
</thead>
</table>
| 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                                         |                                                          |                                                                                |
**Saturday 29th February • CONGRESS**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>08:00 - 10:15</td>
<td>TRANSLATIONAL RESEARCH</td>
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<tr>
<td><strong>Organizer:</strong></td>
<td><strong>A. Viola (Marseille, France)</strong></td>
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<td>• History of Artificial intelligence.</td>
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<td><strong>S. Cussat-Blanc (Toulouse, France)</strong></td>
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<td>• Finger printing. <strong>T. Christen (Grenoble, France)</strong></td>
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<td>• Baby -TVB. <strong>V. Jirsa (Marseille, France)</strong></td>
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<td>• Clinical applications of multimodal PET/MR imaging <strong>G. Morana (Genova, Italy)</strong></td>
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<td>• Amide proton transfer imaging (APTw). <strong>P. Sundgren (Lund, Sweden)</strong></td>
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<td></td>
<td>• Discussion.</td>
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<tr>
<td>10:15 - 10:45</td>
<td>COFFEE BREAK</td>
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<tr>
<td>10:45 - 12:45</td>
<td>FREE PAPERS</td>
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<tr>
<td>13:00</td>
<td>FAREWELL</td>
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General Information

REGISTRATION
For registration please visit www.ecmr2020.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.

<table>
<thead>
<tr>
<th>Congress registration</th>
<th>Until January 10, 2020</th>
<th>After January 10, 2020</th>
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<tbody>
<tr>
<td>Regular Rate</td>
<td>650 €</td>
<td>750 €</td>
</tr>
<tr>
<td>Student Rate</td>
<td>300 €</td>
<td>380 €</td>
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<tr>
<td>Pre-congress (only) on the 26 February</td>
<td>180 €</td>
<td>230 €</td>
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</tbody>
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*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://ecmr2020.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.