We would like to graciously thank the following sponsors:

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ISNVD 2015 Annual Meeting
Naples, Italy

International Society for Neurovascular Disease

5th Annual ISNVD
Scientific Meeting
March 27-29, 2015

Registration Information:
For ISNVD Convention:
Web site: www.isnvd.org
Email: info@isnvd.org
Phone: 1-716-859-3579

For Satellite Courses:
MPCongressi
Website: www.mpcongress.it
Email: mpcongress@gmail.com
Phone: +39 081 575 3432

Beautiful, historic, Naples, Italy
### ISNVD 2015 Highlights

The ISNVD’s 5th Annual Meeting will be held March 27th – 28th, 2015 in Naples, Italy.

The Congress venue will be the “Congress Centre Federico II - Partenope” and is located on the seafront of Naples in the central historic area, panoramic and close to the best hotels in town.

The ISNVD has created an exciting program that will attract Researchers and Clinicians from all over the world. The ISNVD convention program includes four scientific sessions on selected topics and two additional courses are offered which will include Ultrasound and MRI. All of the Speakers were selected carefully and represent key opinion leaders in their fields. The Keynote Speaker will be Dr. Mat Daemen from The University of Amsterdam. He will speak on “The Heart-brain Axis: An Overlooked Cause of Brain Aging.”

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**Friday, March 27th**

<table>
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<tr>
<th>Time</th>
<th>Session</th>
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| 9:00 AM—9:20 AM | Extracranial arteries—  
Maria Amitrano, M.D  
AORN Moscati Avellino  
Executive Director of the Section of Angiology  
Avellino, Italy |
| 9:20 AM—9:40 AM | Vulnerable plaque—  
Maria Fabrizia Giannoni, M.D.  
University of Rome La Sapienza,  
Department of General & Surgical Surgery  
Rome, Italy |
| 9:40 AM—10:00 AM | Intracranial arteries—  
Maria Luisa Zedde, M.D.  
Neurology Unit;  
Department of Neuromotor Physiology  
ASMN—Reggio Emilia  
Italy |
| 10:00 AM—10:20 AM | Cerebrovascular Reactivity—  
Mauro Silvestrini, M.D.  
University Hospital, United Hospitals of Ancona Dept. of Experimental and Clinical Medicine,  
Section of Neuroscience Clinics |
| 10:20 AM—10:40 AM | Discussion                                                                   |
| 10:40 AM—11:00 AM | Break                                                                 |
| 11:00 AM—11:20 AM | Extracranial Veins—  
Erica Menegatti, Ph.D.  
Vascular Disease Center  
University of Ferrara  
Italy |
| 11:20 AM—11:40 AM | Intracranial Veins—  
Marcello Mancini, M.D.  
Institute of Biostructures and Bioimaging—CNR  
Naples, Italy |
| 11:40 AM—12:00 PM | Cerebral parenchymal ultrasonography—  
Sandro Sanguigni, M.D.  
U.O. Neurology Hospital Madonna del Soccorso San Benedetto del Tronto (AP)  
Italy |
| 12:00 PM—12:20 PM | Lunch                                                                 |
| 12:20 PM—2:00 PM | Practical Session                                                            |

**Saturday, March 28th**

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<th>Platforms/Awards</th>
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Call for Abstracts: [www.isnvd.org](http://www.isnvd.org)

Abstract submission due date is January 5th, 2015.
Saturday, March 28th (cont’d)

- 5:20PM-5:30PM: Selected Platform 7
- 5:30PM-5:40PM: Selected Platform 8
- 5:40PM-6:00PM: Final Discussion

- 7:00 PM  Buses depart for Gala dinner venue
- 7:45 PM—8:00 PM  Young Investigator Award
- GALA program and Dinner:
  8:00 PM—10:00 PM  Complesso Monumentale San Lorenzo Maggiore
                   Sala Sisto V

Sunday, March 29th

- Brunch with The Schumachers

Friday, March 27th (cont’d)

- Poster session:
  5:00PM—6:30 PM  Chairs: Dr. Enrico Tedeschi, Dr. Hector Ferral

- Key-note lecture:
  6:30 PM—7:30 PM: “The Heart-brain Axis: An Overlooked
                   Cause of Brain Aging.”
                   Professor Mat Daemen,
                   University of Amsterdam, The Netherlands

- Welcome Reception:
  7:30 PM—9:30 PM: Centro Congressi Federico II—Partenope

Saturday, March 28th (7:15 a.m. Board Meeting for Board Members only).

8:00 AM—Opening of the Congress:
Opening Remarks by Dr. Ziv Haskal, ISNVD President &
Dr. Marco Salvatore, President of the Convention Address

Session 1: Hemodynamics of the brain
Chairs: Dr. Marcello Mancini & Dr. Mark E. Haacke

- 8:15AM-8:35AM – Cardiovascular risk factors and neurodegenerative
  disorders—Robert Zivadinov, M.D., Ph.D.,
  State University of New York at Buffalo –
  Department of Neurology
  Buffalo, New York, USA

- 8:35AM-8:55AM – Ultrasound contrast imaging of brain hemodynamic
  and perfusion –
  Marcello Mancini, M.D.
  Institute of Biostructure and Bioimage – CNR
  Naples, Italy

- 8:55AM-9:15AM – TBI and hemodynamic changes in the brain
  James Stone, M.D., Ph.D.
  University of Virginia,
  Department of Interventional Radiology
  Charlottesville, Virginia, USA

- 9:15AM-9:35AM – Imaging of the microvasculature –
  Mark E. Haacke, Ph.D.
  Wayne State University,
  Department of Biomedical Engineering
  Detroit, MI USA

- 9:35AM-9:55AM – Imaging of Brain Microvascular Disorders: lessons
  from the CADASIL model.
  Hugues Chabriat, M.D., Ph.D.,
  Head, Department of Neurology
  University Hospital Lariboisiere
  Paris, France
Saturday, March 28th (cont’d)

9:55 AM—10:05 AM: Selected Platform 1
10:00 AM—10:15 AM: Selected Platform 2
10:15 AM—10:30 AM: Break

Session 2: Quantitative flow and computational fluid modeling
Chairs: Dr. Clive Beggs & Dr. Michael Dake

10:30AM-10:50AM – 2D and 3D analysis of vessels in the retina and the brain –
Bart Romeny, Ph.D.
Eindhoven University of Technology
Eindhoven Area, Netherlands
Northeastern University, Shenyang, China

10:50AM-11:10AM – A novel sonoagraphic method for reproducible jugular vein pulse wave assessment –
Paolo Zamboni, M.D.
University of Ferrara
Ferrara, Italy

11:10AM-11:30AM – Blood storage within the intracranial space and its impact on cerebrospinal fluid dynamics –
Clive Beggs, Ph.D.
University of Bradford
West Yorkshire, United Kingdom

11:30AM-11:50AM – Update in computational fluid modeling of the brain
Mauro Ursino, Ph.D.
University of Bologna
Bologna, Italy

11:50AM-12:10PM – Fluid dynamic influences on cerebrovascular endothelial activation responses –
Steve Alexander, Ph.D.
Dept. of Molecular and Cellular Physiology Louisiana State University
Shreveport, Louisiana, USA

12:10 PM—12:20 PM: Selected Platform 3
12:20 PM—12:30 PM: Selected Platform 4
12:30 PM—1:30 PM: Lunch and ISNVD Membership meeting

Session 3: Venous dysfunction and treatment strategies
Chairs: Dr. Ziv Haskal & Dr. Paolo Zamboni

1:30PM-1:50PM – Venous abnormalities in Meniere disease –
Pietro Maria Bavera, M.D.
University of Milan; Dept. of Vascular Surgery
Milan, Italy

1:50PM-2:10PM – Advances in idiopathic intracranial hypertension pathogenesis: focus on sinus venous stenosis –
Roberto De Simone, M.D.
University Federico II of Naples, Headache Centre

Saturday, March 28th (cont’d)

2:10PM-2:30PM – Advances in treatment strategies of extracranial venous disease –
Hector Ferral, M.D.
Northshore University Healthcare System
Chicago, Illinois, USA

2:30PM-2:50PM – Venous dysfunction and neurodegenerative diseases –
Chih Ping Chung, M.D., Ph.D.
National Yang Ming University
Taipei Veterans General Hospital, Taiwan

2:50PM-3:10PM – Clinical applications of venous treatment –
Michael Dake, M.D.
Stanford University
Stanford, California, USA

3:10PM-3:20PM – Selected platform 5
3:20PM-3:30PM – Selected platform 6
3:30PM-4:00PM – Break

Session 4: Endothelial function, glymphatic system and new drug development
Chairs: Dr. Robert Zivadinov & Dr. Steve Alexander

4:00PM-4:20PM – Endothelial dysfunction in neurodegenerative disease –
Steve Alexander, Ph.D.
Dept. of Molecular and Cellular Physiology, Louisiana State University,
Shreveport, Louisiana, USA

4:20PM-4:40PM – Is there a role for mast cells dependent synthesis of Endothelin 1 in neurodegenerative diseases? –
Pedro D’Orleans-Juste, Ph.D.
University of Sherbrooke,
Department of Pharmacology
Quebec, Canada

4:40PM-5:00PM – Endothelin-1 as a potential target for chronic brain hypoperfusion –
Jacques De Keyser, Ph.D.
University of Brussels,
Department of Neurology
Brussels, Belgium

5:00PM-5:20PM – Structural changes in extra-CNS blood vessels in neurodegeneration –
Marie-Luce Bochaton-Piallat, Ph.D.
University of Geneva,
Dept. of Pathology and Immunology