

# 2nd Meeting Translational Research on Stroke (TREES) with Open Discussions on NIMBLE Results



Aula Magna NIC Careggi. Florence, Italy

November 25, 2022

The traditional bench-to-bedside paradigm for translational stroke research is to take novel discoveries of basic researchers about the mechanisms and consequences of ischemic brain injury and evaluate the potential of these discoveries to enhance clinical stroke diagnostics and therapeutics. Newer approaches to translational research include reverse and lateral translation. With these paradigms, basic researchers are stimulated to improve the understanding of the pathophysiological mechanisms that underlie a clinically observed phenomenon or treatment effect. This type of research is critical for the future and involves multidisciplinary teams that need to have productive and insightful ideas and communications.

## Opening

*Chairs: Marzia Baldereschi, Benedetta Piccardi*

9.00: Welcome & introduction - **Patrizia Nencini, Francesco S. Pavone**

## Reperfusion after acute stroke: a hot topic in translational research

*Chairs: Vanessa Palumbo, Betti Giusti, Nicola Limbucci*

9.15: Opening lecture: a brief history of reperfusion treatments – **Domenico Inzitari**

9.45: Lecture: reperfusion injury in stroke, role of neurovascular unit – **Gregory Del Zoppo**

## Clinical and preclinical research face-off: lost in translation?

*Chairs: Vanessa Palumbo, Mascia Nesi, Alessandro Soderò*

10.25: Ischemic stroke and recanalization - **Leonardo Renieri** vs **Emilia Conti**

10.45: Circulating biomarkers - **Annamaria Gori** vs **Leonardo Tenori**

11.05: Neuroprotection - **Cristina Sarti** vs **Alberto Chiarugi**

11.25: Discussion

11.45: Coffee Break

## Neuroimaging marker of reperfusion and recovery after stroke

*Chairs: Ivano Lombardo, Francesco Arba, Emilia Conti*

12.00: Clinical perspective – **James Kennedy**

12.30: Preclinical perspective - **Rick Dijkhuizen**

13.00: Discussion

13.15: Lunch

## EVENT PROMOTED BY



In collaboration with



## Results from the NIMBLE Study: flash talks

*Chairs: Francesca Pescini, Tiziana Biagioli, Benedetta Piccardi, Ivano Lombardo*

14.15: Biomarkers and blood brain barrier disruption – **Silvia Biagini**

14.20: Neuroimaging: anatomical distortion – **Alessandro Soderò**

14.25: Thrombus analysis – **Ada Kura**

14.30: Clinical results: interim analysis – **Alessandro Soderò**

14.35: Biological markers in the acute phase – **Alessandra Murri**

14.40: “Wet and dry” biomarkers – **Giorgio Busto**

14.45: Modeling stroke-related cerebral edema - **Emilia Conti**

14.50: Q&A

## Neurorehabilitation after stroke: state of the art and new frontiers

*Chairs: Anna Poggesi, Anna Letizia Allegra Mascaro, Alessandra Fanelli*

14.55: Clinical and biological markers of functional outcome in stroke – **Giovanni Orlandi**

15.15: Frontiers in neurorehabilitation – **Pietro Avanzini**

15.35: Coffee Break

## Preclinical and Clinical Research on rehabilitation: face-off

15.55: Neurorehabilitation: clinical research – **Carmelo Chisari**

16.15: Neurorehabilitation: preclinical research – **Claudia Alia, Cristina Spalletti**

16.35: Discussion

**Discussants** Domenico Inzitari, Antonio Di Carlo, Maria Lamassa, Elena Favilla, Pietro Avanzini, Tullio Biondi, Anna Letizia Allegra Mascaro

16.45: Roundtable with patients (in Italian) - **Arianna Iagulli, Amalia Ferrara, Giuseppina Caputo, Lucia Ferroni**

17.25: Conclusions - **Cristina Sarti, Anna Letizia Allegra Mascaro**

## ATTENDANCE (REMOTE & IN-PERSON)

**AOUC Employees:** VHR Dedalus – Gestione Formazione

**Everybody:** in-person get registered to the following link:  
[https://tom.aou-careggi.toscana.it/tom\\_careggi/dettaglicorso.html?idCorso=3975](https://tom.aou-careggi.toscana.it/tom_careggi/dettaglicorso.html?idCorso=3975)

Remote get registered to the following link:

[https://tom.aou-careggi.toscana.it/tom\\_careggi/dettaglicorso.html?idCorso=3974](https://tom.aou-careggi.toscana.it/tom_careggi/dettaglicorso.html?idCorso=3974)