

Lucien Appel Prize
Diagnostic and Interventional Founders Awards
of ESNR 2010

XIX SYMPOSIUM NEURORADIOLOGICUM

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During the XIX Symposium Neuroradiologicum in Bologna, on 5 October 2010, the ESNR Scientific Awards were presented in the presence of Professor Marco Leonardi, President of the ESNR and also President of the Symposium Neuroradiologicum, in the presence of members of the Executive Committee and of the Scientific Awards Committee of the ESNR.

Professor Jan Wilmink, Chairman of the Scientific Awards Committee of ESNR gave an introduction.

Last year the number of ESNR Scientific Awards was expanded from one to three.

The existing Lucien Appel Prize of ESNR is now awarded for the best research paper in Neuroradiology, and there are two new Awards dedicated to the Founders of European Neuroradiology. Of these Founders Awards, one is for the best submission on Diagnostic Neuroradiology and one for the best work on Interventional Neuroradiology.

All three prizes are to the amount of 4.000 Euro and include free registration for the Annual Congress of the Society or the Symposium Neuroradiologicum if this meeting is held, as well as the opportunity for the authors to present their work at this meeting, and to publish the paper in the ESNR journal "Neuroradiology".

The jury appointed to evaluate and rate the submitted scientific works consists of eight neuroradiologists. Four of these constitute the ESNR Scientific Awards Committee, which presently consists of Jan Wilmink (chair); Brigitte Appel (co-chair); Jens Fiehler

and Alex Rovira (members). The other four jury members, all internationally known neuroradiologists, are appointed on a temporary basis. Up to the present time all these four international jury members were discharged every year, and a four new jurors were appointed. In the interest of continuity it was decided this year to rotate these four international jury members more gradually, discharging and appointing one juror per year.

The international jury for 2010 is formed by Pia Maly-Sundgren, Laurent Pierot, Charles Romanowski and Marek Sasiadek.

Professor Brigitte Appel, Co-Chairman of the Scientific Awards Committee of ESNR, after explaining some evolution in Society awards, introduced the candidates for the present competition.

For the ESNR Awards 2010 we have evaluated the work of 13 candidates , the highest level ever reached. Six women and seven men, aged 28 to 38 , the women being the youngest ones.

This year all candidates were European, one from Austria, one from Finland, 4 from Germany, one from Greece, one from Hungary, 2 from Italy and 3 from the Netherlands.

Although a strict classification of the works in research, diagnostic or interventional is not always straightforward, the papers retained for the present competition are:

- ***for pure research in Neuroradiology:***
 - . in vivo spectroscopy in apoptotic rat glioma
 - . DTI in prediction of rapid cognitive decline in mild cognitive impairment
 - . supplementary motor area in fine-graded control during precision grip
 - . resting state networks change in clinically isolated syndrome of MS
 - . age-related grey matter changes in preterm subjects

- **for Diagnostic Neuroradiology :**
 - . prenatal cerebral lesions in Cytomegalovirus infection
 - . MRI in classic versus variants of medulloblastoma
 - . relation between cerebral perfusion territories and location of infarcts
 - . superficial siderosis and cerebral amyloid angiopathy
 - . carotid artery abnormalities and leukoaraiosis in elderly patients
 - . minor trauma and brain activation of working memory
 - . biopsy targeting in glioma : do functional imaging techniques identify similar target areas ?
 - . incidental findings on brain MRI in the general population

- **for Interventional Neuroradiology :** one work.
 - . intraaneurysmal thrombosis as cause of rupture after flow diversion treatment.

Five submissions were considered suitable for the **Lucien Appel Prize of ESNR**

Based on the quotations and comments of the Jury and the curriculum vitae of these candidates the Laureate was chosen, and the prize presented by Brigitte Appel:

He is nearly the youngest man, 31 years old.

He studied medicine and radiology at the VU University of Amsterdam and added a grade in Medical Biology.

As a very young PhD student he started a thesis about Multiple Sclerosis under the supervision of Pr. Frederik Barkhof , prior Laureate of Lucien Appel Prize of Neuroradiology awarded in Antwerp in 1994.

Our present Laureate studied the grey matter in Multiple Sclerosis using advanced MRI methods as double inversion recovery, diffusion tensor imaging and resting state functional MRI.

This young candidate was also involved in a research project at the department of Audiology.

He is showing a broad interest in Neuroradiological sciences very close to the clinical field.

Some comments of the Jury: the submitted work has a very high level, is impressive and well conducted about a large, carefully studied series of 86 patients and controls.

In the name of the ESNR, I have the honour and the pleasure to declare **Stefan Roosendaal** of the Free University of Amsterdam, The Netherlands, **Laureate of the Lucien Appel Prize of ESNR 2010** for his work : “ *Resting state networks change in clinically isolated syndrome.*”

Jan Wilmink then presented the two Founders Awards The first laureate was:

Marc-André Weber, from Heidelberg, Germany, **Laureate of the ESNR Founders Award for Diagnostic Neuroradiology 2010** for his work : “ *Biopsy targeting in gliomas: do functional imaging techniques identify similar target areas ?* “

The paper focuses on a comparison of different functional MR imaging techniques as well as PET in this application. The jury praised the excellent study design, with its complexity indicating the effort involved. The results are well presented. Jurors qualified the study as a very important clinical work and an excellent research paper with relevant clinical implications

Dr. Weber is 37 years old, born in Hüttetal, Germany; he is married, with two children. His medical training took place in Heidelberg, and postgraduate training in the Radiology Department of the University Hospital Heidelberg and the Neuroradiology Department of the Homburg-Saar University Hospital. He is presently active in the University Hospital Heidelberg, and is a Junior Member of the ESNR. Dr. Weber is first author or co-author of 44 original articles, of which 14 are on neuroradiological topics.

The next Founders Award was presented to **Zsolt Kulcsar**, presently of Zurich, Switzerland, **Laureate of the ESNR Founders Award for Interventional**

Neuroradiology 2010, for his work : “ *Intra-aneurysmal thrombosis as a cause of rupture after flow diversion treatment*”

Dr Kulcsar’s paper is a collaborative work featuring contributions from 12 centres, attempting to find explanations for this serious event. The authors have analysed twelve cases and propose a possible pathomechanism.

The jury considered the work to be clinically relevant, and dealing with an important topic.

On behalf of the Scientific Awards Committee of the ESNR we would like to thank the contributors for submitting their scientific works, and also the members of the International Jury for their efforts.

In addition our thanks go to Paola Bistoletti and her colleagues for their tireless assistance.

Jan Wilmink, chairman

Brigitte Appel, co-chairman

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