Report of the second meeting of ILAE NeuroBiology Commission

http://www.ilae.org/Commission/neurobio/index.cfm

Saturday June 28th, 2014, Stockholm Convention Center – 8:30 am-5:00 pm

Invited: NBC members: M. de Curtis, A. Galanopoulou, N. Garcia-Cairasco, R. Idro, D. Janigro, H-C Kang, K. Kobow, M. Kokaia, W.P. Liao, A. Nehlig, J. Noebels, T. O'Brien, V. Whittemore. *TF Chairs:* J. French, A. Pitkänen, R. Sankar. *Task Force Chairs:* M. Simonato, J. French, R. Sankar and A. Pitkänen. *Liaisons:* S. Moshe, A.M. Vezzani. *Epilepsia Editors*.

Attending: E. Bertram, M. de Curtis, N.Garcia-Cairasco, A. Galanopoulou, W.P. Liao, D. Janigro, A. Nehlig, J. Noebels, K. Kobow, T. O'Brien, M. Kokaia, S. Moshe, A. Pitkänen, R. Sankar, H. Potschka, A. Mazarati.

The meeting of the NBC started at 8:30 am and closed at 5:00 pm.

Budget issues

The 2014 budget approved by ILAE-EC is summarized below:

San Servolo Course 2014	\$35,000
LASSE 2014	\$0
Gordon Conference 2014	\$10,000
Translation Research TF-UPHAR Meeting in Cape Town	\$2,500
Conference Calls	\$1,000
Business Meetings - Stockholm & San Servolo	\$20,000
Training & Beyond TF meeting - San Servolo 26-27 July 2014	\$2,500
Translational TF meeting – June 29 th 2014 Stockholm	\$29,034
TOTALS:	\$100,034

From the next year the budget of the TFs will be formally submitted to the Treasurer Committee of NBC (to be nominated). TF budget submission deadline is September 15th, 2014. The budget request form (**Annex** 1) will be sent to TF Chairs before this deadline. The Commission budget will be submitted to the EC in November 2014 and a decision on the approved NBC budget will be available by February 2015.

Actions: -find a Treasurer!

-send TF budget by September 15th 2104

Web site

Katja Kobow reported on the advancements of the NBC web site on the ILAE web site: http://www.ilae.org/Commission/neurobio/index.cfm .

Material of the activities of the NBC and TF was uploaded and will be updated every 3 months. **Please send photos of members, pictures of TF activities and TF updates to Katja Kobow.**

Jean Gotman will be contacted to ask permission to activate a hyperlink connection to NBC web site. The forms for WONOEP XIII registration and for NBC support will be posted on the website. The questionnaire of the Resource Mapping TF will be also posted on the web site.

Actions: -update TF activities

- -send KK missing photos and other pictures
- -upload forms and
- -request a hyperlink
- -send proposal for a NBC logo .

Translational TF

Aristea and Terry reported on the future developments of Translational TF **Initiative 1.** A TF meeting is organized for the 30th of June and a specific report will follow.

Terry reported on Multi-Parts program that has been developed as a 2-year project in stroke field to plan and organize multi-institute pre-clinical trial centers. Multi-part was contacted to organize a similar effort in epilepsy research, as previously planned in TASK 6 (STEP 6) action of the TF.

Actions: -progress TF activities according to TF report

Resource-mapping TF

The activity of the TF was discussed and it was decided that the aim of **Initiative 2** is too ambitious. The achievement of a proper mapping of international resources will require contacts with national chapters and regional commissions. This action is demanding and requires resources that are now not available. It was decided that the questionnaire developed by the TF (**Annex 2**) will be posted on the web site and will be available either for download or for on line compilation. The future of this Initiative will be reconsidered after evaluating the response to the on line survey.

Actions: -upload questionnaire to NBC website

Neurobiology contributes to Epilepsia.

Epilepsia Editor in Chief Astrid Nehlig and Associate Editors E. Bertram, H. Potschka and A. Mazarati, participated to the discussion. G. Mathern joined at the end of the meeting. It emerged from the discussion that there is no easy solution to the fact that many authors do not send their articles to Epilepsia. It is clear that Epilepsia is only a second or third choice after the authors have submitted to more highly ranked journals. Moreover, there is a clear competition between Epilepsia and more general Neuroscience journals such as Neurobiology of Disease and Experimental Neurology. Also Epilepsia is not always perceived as a journal interested in basic or translational research. Finally Epilepsia is often considered an unfriendly journal and authors complain because the level of demand by reviewers is not always adjusted to the impact factor of the journal.

Actions: - devote a whole free supplement of Epilepsia to basic science topics, either new emerging technology or else, possibly in response to a call by the Editors-in-Chief

WONOEP TF

XIII WONOEP was rescheduled for the period August 31st – September 3rd 2015. The main ILAE meeting will start Sept. 5th. Details on the location, application, etc. of XII WONOEP are reported in the attached first announcement (Annex 3; see also http://www.ilae.org/Commission/neurobio/index.cfm). The format utilized in the last 2 WONOEPS is confirmed: 5 half-day sessions on subthemes that will be identified after abstract selection. Each session will start with a 30-min critical introduction of the subtheme, followed by 8-10 data-blitzes (max 15 min. each) and will be concluded by general discussion lead by a panel of discussants. WONOEP travelling fellowship (3-4) of 300-500 Euro, were approved, if the budget allows. Applicants must have obtained their last training degree no more than 5 years before application and will present their own work at WONOEP. Candidates can only apply once in 5 years. It was proposed that the evening of the 31st a special lecture on the evolution of biomarker discovery by an expert external to the epilepsy field (Blennow, Alzheimer expert). The final subtopics of XIII WONOEP will be defined according to the abstracts that are received. The following themes have been considered: Central and peripheral biomarkers, Biomarkers of co-morbidities, Biomarkers of treatment response, Genetic biomarkers, Biomarkers of epileptogenesis, epileptogenicity, brain injury, seizure, tissue reorganization, etc. The following speakers and discussants were proposed for the 5 sessions: A Pitkanen, D Janigro, R Sankar, I Scheffer, T O'Brien, WP Liao, JJr Engel, D Henshall, N Garcia-Cairasco, J Noebels (comorbidities) K Staley, Z Szallasi, M Kokaia, W Loescher, AM Vezzani, U Heinemann, G Avanzini. The first call for abstracts (see attached file) will be published through WONOEP mailing list (that needs to be checked and improved) and will be published on ILAE web site and on Epilepsia, Epilepsy Currents and other epilepsy and neuroscience journals and web sites of neuroscience societies (SfN and FENS). Fundrising will start soon after.

WONOEP application form will be available on line on the web site. Aristea proposed to submit applications and abstracts through the registration system of ILAE meeting – after approval by Holmes/Finola. Abstract submission will end of January 2015 and by the end of February 2015 abstract selection by WONOEP TF and LOC will be completed. Invitations and fellowships invitations will be sent out by April 1st, 2015. The NBC confirmed that WONOEP content will be reported by *ad hoc* regular reviews (WONOEP APPRAISALS) that will be published on Epilepsia. A senior and a junior scientist will be engaged for the production of the review, at least one month before WONOEP. Detailed instructions on the style of the review will be given to the responsible authors. The reference persons in charge of the development of the WONOEP APPRAISAL will be also responsible for the presentation of WONOEP HIGHLIGHT at the Istanbul 2015 ILAE meeting on September 5th.

The WONOEP TF met after the NBC meeting to discuss the following issues: The budget for lodging, meals and local facilities at Halki Palace will be around 32/35.000 Euro.

The local organizers will provide informations on

- o Accurate directions on how to reach the venue from the airport
- o a local secretarial support and the relative costs
- o costs of 3-4 water taxies from the airport to the WONOEP venue
- o costs of a possible excursion and dinner the evening of September 2nd

The WONOEP TF

- o will prepare an application form (mention gender)
- will revise the mailing list for WONOEP and will ensure the diffusion of the first announcement, as described above
- Hunt for attendants in charge of WONOEP APPRAISAL/WONOEP HIGHLIGHTS

Actions:

- -update WONOEP mailing list
- -follow next organization steps
- -obtain logistic information from local committee
- -check first announcement
- -prepare application form
- -application form on web site and request next steps to Richard Holmes/Finola Quinn
- -finalize WONOEP list of discussants and program
- -propose topics for 2017 WONOEP

Education and Beyond TF Initiatives 3

The Commission discussed the report prepared by the TF chair that evaluates the content of experimental epileptology in Courses and training events sponsored by ILAE (Annex 4) aimed at verifying one of the objectives of the mission of ILAE. Most of the events sponsored by CEA and other regional commissions have an inadequate content (if any) of neurobiology issues. The potential request emerging from these training events could be provided by the NBC, upon formal request. The need for a formal application to demand the contribution of the NBC to educational events sponsored by ILAE and by other agencies was discussed. Two types of contributes are identified in the proposed application form (Annex 5): scientific contribute and economical support. Both types of applications will be evaluated by the NBC members via skype conferences and a decision about the support will be taken before the budget request of the Commission is submitted, either by the end of November (non-financial contribute) or by the end of March (financial contribute). Requests of support must be submitted before the 15th of July of the year before the event.

The new procedure and the application request/form will be disseminated to all ILAE Commissions and to the organizers of already sponsored events.

Actions:

- -finalize the form for NBC support
- -advertise call for NBC support within and outside ILAE

Education and Beyond TF Initiative n. 4: Beyond training project

On July 1st the project was discussed during a meeting of the Managing Committee with the Secretary General of IBRO, Sten Grillner. Future plans of collaborations on the project were envisaged. A meeting of

the TF is planned for July 27th in San Servolo, Italy. The following plan will be discussed and steps will be made to achieve the goals:

- **Task 1** Identify ILAE-sponsored Courses for project testing/validation: to be discussed during the TF meeting
- Task 2 Identify specific epilepsy research topics of regional relevance: to be discussed during the TF meeting
- **Task 3** Define criteria to evaluate the fundability of applicants from limited resources areas: : to be discussed during the TF meeting
- Task 4 Define grant application and rules along the outline in Annex 6.
- **Step 5** Develop a strategy to raise funding external to ILAE (IBRO, NIH, private)
- **Step 6** procedure for grant evaluation (*liasons* with Regional Commissions)

Actions: -follow indications of the future TF meeting

Dissemination TF Initiative 6

The program of neurobiology activities at the 2015 ILAE meeting in Istanbul is defined and a flier for dissemination was prepared (**Annex 7**). The flier will be distributed to any possible Neuroscience meeting, Course or event. A copy of the flier will be circulated among NBC members for dissemination.

After the NBC meeting a later version of the Educational session was prepared in collaboration with Walter van Emde Boas:

The Best of two worlds: Translational Epileptology

- 1. Of mice and men: clinical and neurobiological perspectives in temporal lobe epilepsy; proposed speakers C Özkara & A Depaulis
- 2. When a seizure is a seizure; proposed speakers M de Curtis & P Kahane
- 3. What do and can clinicians expect from neuroscientists?; proposed speakers J.Engel & G. Avanzini
- 4. Beyond the Neuron(s): where is epilepsy; proposed speakers D Janigro & TBA

IBRO accepted a NBC symposium on epilepsy: The organizing committee of the 2016 ECE meeting in Prague was contacted to strengthen the links with NBC activities. A message to CEA will be sent.

Contacts were activated with IBRO though the Secretary General Sten Grillner.

Actions: -send flier to all NBC members for dissemination

-fliers to FENS meeting and San Servolo Course

-CONTACT CEA FOR NBC ACTIVITIES IN 2016 ECE IN PRAGUE

-proposals for ECE 2016 - link to TF activities

The next NBC meeting is planned for September 4th 2015 in Istanbul.

Annex	1
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NBC Task Force 2015 budget request

(submission deadline September 15th 2014)

XXX	Type of activity	Date of event	budget request	
XXX Task				
Force				

n 11 - 7 - 7		
Epilepsy research laborator		
Name of institution / departn		
Address: including Stre	et, Number, zip code, city, cour	ntry
Website:	Principal investigator:	Co-workers:
E-mail:	Phone:	
Research focus/interest:		
[] Mechanisms of Epileptog		
[] Mechanisms of Ictogenes	is	
[] Pathology		
[] Pathophysiology		
[] Pharmacology		
[] Epileptogenesis		
[] Ictogenesis		
[] Behavior & Pschology		
[] Imaging		
[] Genetics		
[] Neuromodulation-stimul	ation	
[] Natural products		
[] Other - please specify:		
Available techniques:		
[] Electrophysiology (in vita	o; ex vivo; in vivo)	
[] Brain microdialysis		
[] Seizure models		
Chemically-induced; 6Hz mod	lel; maximal electroshock;	
species & strain:		
[] Epilepsy models		
-	-	nentia-related; genetic epilepsies (absence
epilepsy; audiogenic epileps	sy)	
species & strain:		
[] Video/EEGs seizure mon	itoring	
[] Genetic		
[] Imaging (autoradiograph	y; MRI; fMRI; tractography)	
Specific aguinment availab	lo.	
Specific equipment availab le [] Immunohistochemistry	ic.	
Molecular biology		
[] Optogenetics		
[] Imaging (MRI; µPET)		
[] Behavioral paradigms		
Other – please specify		
[] Other - piease specify		
Key publications (3):		
Graduate programs:		
Collaborati		

XIII Workshop on Neurobiology of Epilepsy - WONOEP 2015

Heybeliada Island, Istanbul, Turkey August 31st – September 4th 2015

Scientific Organizing Committee

Katja Kobow, Raman Sankar, Filiz Onat, Candan Gurses and Marco de Curtis

WONOEP XIII, a satellite event of the 31st ILAE/IBE International Epilepsy Congress, will take place at the Heybeliada Island, Istanbul, Turkey. The **main topic** of WONOEP XIII is **Biomarkers in Epilepsy.** Abstracts on peripheral and central biomarkers, biomarkers of co-morbidities, response to treatment, genetic biomarkers as well as biomarkers of epileptogenesis, brain injury, seizure, or tissue reorganization will be considered.

Abstract submission opens November 15th 2014 and closes January 15th 2015.

Abstracts of 300 words or less should be submitted as Word files to wonoep@epilepsycongress.org. The abstract submission form is available at the Neurobiology Commission website (http://www.ilae.org/Commission/neurobio/events.cfm).

A maximum of 40 abstracts **strictly related to the main topic** will be selected and the authors will be invited to WONOEP after April 1st 2015. Lodging and meals will be provided to the selected participants. Travel costs will not be supported. A WONOEP registration fee of 100 Euros is applied to all selected participants. Invited speakers are strongly encouraged to submit an abstract also to the 2015 ILAE/IBE International Epilepsy Congress in Istanbul (September 5-10, 2015). The registration fee will be waved if registration to WONOEP is combined with registration and submission of an abstract to the 31st ILAE/IBE meeting (see http://www.epilepsyistanbul2015.org). In this case, proof of registration to the ILAE main meeting should be provided before 15th June 2015.

WONOEP 2015 is organized by the **ILAE Neurobiology Commission** and by the **WONOEP Task Force**.

WONOEP queries: Katja Kobow (<u>katja.kobow@uk-erlangen.de</u>) and Marco de Curtis (<u>decurtis@istituto-besta.it</u>)

Meetings sponsored by ILAE 2012-2014

	edition	acronym	Relevance	topic	location	dd	Sponsor	Sessions	Basic science
Workshop on	13 th	WONOEP	Internat	Epilepsy	migrating	4	ILAE		100%
Neurobiology of				Neuroscience					
Epilepsy									
San Servolo Epilepsy	13 th	Bridging -	Internat	Epilepsy +	Italy	12	ILAE +		>50%
Summer School		5 th		Neuroscience			CEA		
		Surgery –	Internat	Epilepsy	Italy	12	ILAE +	36	9 (25%)
		3 rd		Surgery			CEA		
		Pediatrics	Internat	Pediatric	Italy	12	ILAE +	20	7 (<30%)
		- 3 rd		Epilepsy			CEA		
		Pharmaco	Internat	Pharmacol	Italy	12			
	+h	I 2 nd		epil					
Latin America Summer	9 th	LASSE	Regional	Epilepsy	South		CLAA -	54	17 (30%)
School on Epilepsy	th				America		ILAE		
Intern. Postgraduate	9 th		Internat	Epilepsy	Slovenia	2	CEA	???	???
Practical Epilepsy									
School	oth	DCCC-	D	.,	D 111	<u> </u>	054	24	
Baltic Sea Summer	8 th	BSSSE	Regional	epilepsy	Baltic area	5	CEA	21	3
School	oth		D			-	CE 1	-	
Migrating Course on	8 th		Regional			5	CEA		0
Epilepsy	cth			DI I	l	-	05.4	2-	= (.200()
Eilat International	6 th		Internat	Pharmacology	Israel	5	CEA	27	5 (<20%)
Course Pharmacol.				/Therapy in					
Treatment of Epilepsy	6 th	Deccer	Dania and	epilepsy	C i -	_	CE A	222	222
Caucasian Summer	ь	RCSSCE	Regional	Epilepsy	Georgia	5	CEA	???	???
School on Clinical									
Epileptology International training	4 th		Internat	Epilepsy	Italy-	5	CEA		0
course in Stereo- EEG	4		mternat		France	5	CEA		0
Eur Project	3 rd	EPODES	???	surgery	1	4	CEA	??	low
Development Epilepsy	3	EPODES	111	Epilepsy surgery –	Czec Rep.	4	CEA	11	iow
Surgery				basic and					
Julgery				advanced					
				course					
Epilepsy Brain and	3 rd		Internat	000.00	Czec Rep.	3		62	20%
Mind					3 233			-	
Summer School for	2 nd	INES	Internat	Neuropatholo	Germany	4	CEA		30%
Neuropathology and				gy	<i>'</i>				
Epilepsy				0,					
				Epilepsy					
Dianalund Summer	2 nd	DSSSE	Internat	EEG	Denmark	6	CEA	23	2 (<10%)
School EEG and	[-				20				
Epilepsy				Epilepsy					
Francophone Course of	1 st		Regional	Epilepsy	Africa	3	CAA	???	???
CAA	1		vegional	Lhiichsà	Allica	3	ILAE	'''	'''
International Course	1 st		Regional	Epilepsy	Italy		???	21	2 (<10%)
on Drug Resistant	1		Negional	грисрзу	italy		' ' '		2 (10/0)
Epilepsy									
East-European Course			Regional	Epilepsy	Romania	2	CEA		0
of Epilepsy			ACBIOIIGI	-рисрзу	Nomania	-			
China Summer School	4 st		Regional	Epilepsy	China	7	CAOA		10%
on Epilepsy	-		ACSIOIIGI	-рисрзу	Cimia	′	ChinaAA		10/0
p.:poj							E		
Teaching Course on		ASEPA			Asia		 -		1
Focal Epilepsy					1				

APPLICATION FORM (PRELIMINARY VERSION)

REQUEST FOR SUPPORT/CONTRIBUTE OF ILAE Neurobiology Commission Submission deadline: July 15^{TH} of the year before the event

	financial suppor neurobiology co				
DEADLINE FOR APPLI DECISIONS ABOUT NON-FINANC DECISIONS ABOUT SUPPORT	IAL SUPPORT WIL	L BE PROV YEAR	IDED BY T	HE END OF N OVEN	MBER OF THE SAME
Title of the event					
Proposed date of the event					
Type of event	workshop internatio regional-i	nal course			
Previous editions	no 🗆	yes □	when?	?	
Previously supported by NBC?	nc) 🗆	yes 🗆	funded amount	
Previously supported by ILAE	or ILAE Commis no 🗆	sions? yes 🗆	funde	d amount	
Other supports for this edition	of the event?	yes □	funde	d amount	
The program of the event inclu	des a section or	n neurobio yes 🗆	ology of e	pilepsy?	
Is a support required to enhand	ce neurobiology no 🗆	aspects yes □	of the eve	ent?	
General description of the ever	nt (max 200 wor	ds)			
List of faculties:					
Location site of the event					
Venue facilities					

Percentage of teaching method:	frontal lectures	%
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practical sessions %
project development %
hands-on activities %

Target audience

Number of expected attendants

Proposed budget faculty support

venue facilities local assistance

sundry

proceedings costs bursaries for students

total budget

Please, define the criteria for bursary application (max 200 words)

The NBC contribute will be utilized for the following

Expected proceedings

Please, attach to the present form a detailed preliminary program and a detailed budget plan

Contact person name

General description of the grant scope/application:

The *Training and Beyond Grant Program* seeks to foster the development of local research activities in geographical areas with limited resources and to promote scientific collaboration within an International research network. Project proposals must have a first validation during ILAE-sponsored Training Courses, such as LASSE and San Servolo Course. Grant application is proposed by a scientific network as a joint research projects. Seeding funds for research will be given to the partner in the less-advantaged geographical area and travelling from and to this region are provided to team partners. The main goal is to favor the development of the neurobiology of epilepsy allowing established research groups to set up collaboration with emerging groups within a less-advantaged region.

Scope of the Grant Program. The program is designed to intensify the scientific exchange among research laboratories from well-established epilepsy research Laboratories with new Laboratories in Africa, South America and Asia, thus creating conditions for scientific developments in the field of neurobiology of epilepsy in these areas. Collaborative, multi-team project application must focus on region-specific epilepsy theme and should be first validated during one of the training Courses sponsored and supported by ILAE under the tutorship of scientists and clinicians with well-recognized expertise in epilepsy research field. ILAE-sponsored Courses are LASSE, San Servolo Course,. Candidate teams will be invited to apply xxx?? The research activity in the limited-resource area will be funded and collaborations will be supported through research missions to work on scientific questions specifically proposed in the submitted project.

Research teams. Projects are presents by a Principal Investigator active in Countries of limited resources in Africa, South America and Asia (excluding China, Japan and), who coordinates an international research team that involve up to 3 established groups in the field of epilepsy research. The Principal Investigator should not be older than 40 years of age. Established participating research group must have a local coordinator with recognized competence in the area of the project. The hosting Institute in established and emerging teams should provide the necessary infrastructure and resources to achieve the goals of the project.

Research funded. Projects should focus on research in neurobiology of epilepsy, and in particular on scientific topics of regional relevance for the area of the Principal Investigator. The projects should be planned for a two year period with a detailed definition of the chronogram of activities. The feasibility of the research project should be tested at one of the ILAE-sponsored Courses x

Financial support. Funding is provided for 2 years from the acceptance of the grant application. The Grant Program finances research activity in the Coordinator Country for a sum of \$. Research missions and exchange trips by doctoral and post-doctoral students and faculty from the participating institutions will also be funded for up to \$ for the 3 years. Applications should be submitted through ILAE NBC xxx. The applicant must indicate how the funding will support collaboration with research partners. An applicant will only be eligible for the same category of the African Collaboration Grant every five years. Supplementary funds could be sought from other sources. Proof of price quotations (e.g. flights, accommodation, etc.) should be attached to the application.

Application procedure. An electronic version of the application form with inserted signatures must be submitted electronically to xxxx. Deadlines and completeness of application forms should be strictly adhered to. Late applications will not be considered. Incomplete applications will not be considered. Training and Beyond Grant is made on a competitive basis. Applications are evaluated through peer review by a team of ILAE xx.

Reporting activities. Grant holders must submit a short report every year , according to the guidelines provided with the Award Letter.



Submit an abstract to be invited to the Workshop on Neurobiology of the Epilepsies (WONOEP) XIII, Istanbul, 2^{mL} , 4^m September 2015





Why attend the 31st International Epilepsy Congress in Istanbul?

5th - 9th September 2015





Submit an abstract to be invited to the Workshop on Neurobiology of the Epilepsies (WONOEP) XIII, Istanbul, 2rd-4th September 2015

ILAE Neurobiology Commission

www.epilepsyistanbul2015.org

