Time	Saturday 13th August SCHEDULE 8.30-17.30 TECHNIQUES	
	Human Course	**Animal Course**
8.30-8.50 20 mins	**Introduction to tests** *Dorothy Thompson* The test acronyms, equipment, what the patients experience and how the tests dissect the visual pathway	
8.50-9.35 45 mins	**Introduction to Full field ERGs** *Laura Frishman* ISCEV Full field ERG Standard (Recording protocols and their physiological basis)	
9.35-10.20 45 mins	**Clinical application of full field ERG** *Tony Robson* Interpreting Clinical ISCEV Full field standard ERGs (Patterns of change to track down the underlying pathophysiology) (distinguishing rod and cone photoreceptor contributions, limited vs. generalised disease, negative ERGs)	
10.20-10.50 30 mins	**30 minutes COFFEE/TEA**	
10.50-11.50 60mins	**Techniques to localise retinal stimulation mfERG& PERG** *Michael Bach*	**Fundamentals of ERG in animal models** *Suresh Viswanathan– 45 Min.* Recording in animal models, Nature of ERG responses, Species differences.
11.50-12.20 30 mins	**Clinical application of mfERG** *Mineo Kondo*	**ERG in retinal research I (outer retina)** *Mathias Seeliger – 45 Min.* Experimental use of ERG in inherited diseases affecting RPE, photoreceptors and bipolar cells
12.20-13.15 55 mins	**55 minutes LUNCH**	
13.15-13.45 30 mins	**Clinical applications of the PERG** *Tony Robson*	**ERG in retinal research II (inner retina)** *Suresh Viswanathan – 30 Min.* Experimental use of ERG, PHNR& PERG with focus on Glaucoma& ON disease in rats& large animals.
13.45-14.30 45 mins	**Techniques to record VEPs & clinical applications** *Ruth Hamilton*	**ERG in retinal research III (Pharm&Tox)** *Ido Perlman – 45 Min.* Experimental use of ERG in pharmacological & toxicological studies.
14.30-15.00 30 minutes	**EOG recording and its clinical applications** *Dorothy Thompson*	**ERG PRACTICAL DEMONSTRATIONS** *Mathias Seeliger& all faculty – 30 Min.* 2 stations x 15 minutes,ERG demonstrations with a rodent phantom (light-sensitive, "artificial" mouse/rat)
15.00-15.30 30 mins	**30 minutes COFFEE/TEA**	
15.30-16.15 45 mins	**Recognising everyday common artifacts** *Ruth Hamilton*	
16.15-17.30 75 mins	**How to set up a clinical laboratory** equipment specification x2 Chris Hogg **Demonstrations of clinical response acquisition** *Dorothy Thompson, Tony Robson, Ruth Hamilton, & faculty*	*Animal course free time*
19.00	**COURSE DINNER with faculty** local restaurant	

Time	Sunday 14th August SCHEDULE 8.30 am -16.00 pm **application and integration**	
	Human Course	**Animal Course**
8.30-9.15 45 minutes	<u>**A clinical diagnostic approach to retinal disease**</u> *Mineo Kondo*	
9.15-9.45 30 minutes	<u>**non-standard ERGs (red flash & S-cone& PHNR)**</u> *Suresh Viswanathan* Additional diagnostic resources (a-wave modelling, PhNR, On-Off-, chromatic and S-cone stimulation)	
9.45-10.15 30 minutes	<u>**ERG in Preclinical Therapy Assessment**</u> *Mathias Seeliger* ERG recordings as functional biomarker Follow up of therapeutic interventions in pre-clinical models of rod and cone disease	
10.20-10.50 30 mins	**30 minutes COFFEE/TEA**	
10.50-11.25 35 minutes	<u>**Maturation of visual electrophysiological measures**</u> *Ruth Hamilton*	<u>**Practical ERG recording in animal models**</u> *Bo Lei – 45 Min.* Review of basic and extended tests & their applications, Implementation of test strategies.
11.25-12.20 55 minutes	<u>**Paediatric clinical adaptations and applications,**</u> including nystagmus investigation in a outpatient setting *Dorothy Thompson*	<u>**Preclinical Imaging (OCT, SLO)**</u> *Mathias Seeliger – 45 Min.* OCT, SLO & angiography as structural biomarkers, preclinical models & therapeutic interventions
12.20-13.15 55 minutes	**55 minutes LUNCH**	
13.15-14.15 60 minutes	<u>**Clinical Visual Electrodiagnostics in inflammatory eye disease**</u> *Graham Holder*	**Imaging PRACTICAL DEMONSTRATION** *Mathias Seeliger + all faculty – 60 Min.* 2 stations x 20 minutes, demonstrations of SLO/OCT experimental *in vivo* imaging
14.15-15.15 60 minutes	<u>**The Great ISCEV quiz**</u> **An interactive overview of the course** *All faculty*	<u>**Comprehensive Animal Diagnostics**</u> *All faculty – 60 Min.* Q&A regarding phenotyping of animal models based on ERG and imaging techniques - Interactive
15.15-15.30 15 mins	**15 minutes COFFEE/TEA**	
15.30-16.00 30 minutes	<u>**Time with manufacturers**</u> comparison of specifications & practise	
16.00	**COURSE FINISH**	