

A few thoughts concerning this special Symposium in Tübingen

When my younger colleagues at the Eye Hospital in Tübingen asked whether I would be happy about a Symposium being organized in honour of my 60th birthday, I hesitated only for a short moment. YES, I would feel very pleased and very honoured if such a Symposium took place where young scientist-doctors would have an opportunity to invite some of the best representatives of their field to give survey lectures and, in turn, be able to present their own research findings in "hot spots", thus giving them the chance to link up with the international scientific network.

I asked my young colleagues to invite their favourite "heroes" in science, and I was very excited about the outcome, seeing that these were almost all long-standing travel-companions on my forty-years' journey through ophthalmic research.

As you can see, a most attractive, high-level Symposium on Function and Dysfunction of the Visual System has resulted. I hope that it will be interesting for many colleagues working in the field and it is certainly open to anybody who likes to join us in celebrating the joy of basic and clinical research and its interaction in ophthalmic science.

Finally, I would like to tell you that I sincerely hope you can join us and I want to thank my co-workers for their excellent ideas and hard work in making this Symposium come true.



Eberhart Zrenner



Registration:

University Eye Hospital Tübingen

Dept. of Pathophysiology of Vision
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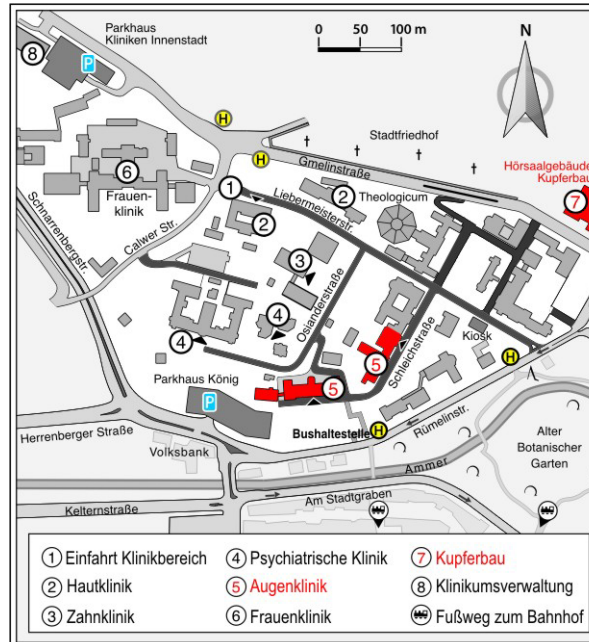
Venue: Kupferbau (Gmelinstr. 8) Tübingen

Registration fee: Physicians / scientists 70,- €
Students 40,-€

Directors:

Prof. Dr. med. K.U. Bartz-Schmidt, Department I

Prof. Dr. med. E. Zrenner, Department II



Universitätsklinikum Tübingen Eye Hospital



November 4th – 5th, 2005

**Lecture Hall of the University Tübingen
(Kupferbau), Gmelinstr. 8**



University Eye Hospital Tübingen

Friday, November 4th, 2005

14:00 – 14:10 **Eberhart Zrenner/Ulrich Schiefer**
Welcome in Tübingen

Session I Cure on the horizon

Chair: Peter Gouras and José Sahel

14:10 - 14:30 **Peter Gouras / New York**
New treatments of retinal & brain disorders: gene therapy and/or cell transplantation

14:30 – 14:50 **José Sahel / Paris**
Photoreceptor rescue: clues from functional genomics

14:50 – 15:10 **Reto Weiler / Oldenburg**
Seeing with electrical synapses

15:10 – 15:30 **Paul Sieving / Bethesda**
Human retinal neurodegeneration, therapy with CNTF: phase 1 study

15:30 – 15:50 **Tübingen hot spots (F.Gekeler R.Rejdak/F.Schaeffel/F.Schütttauf)**

15:50 – 16:15 *Coffee break*

Session II Retina by heart

Chair: Charlotte Remé and Don Hood

16:15 – 16:35 **Heinz Wässle / Frankfurt**
Parallel processing in the mammalian retina

16:35 – 16:55 **Don Hood / New York**
The multifocal visual evoked potential (mfVEP) and diseases of the retina and optic nerve

16:55 – 17:15 **Charlotte Remé / Zürich**
Light damage and retinal degenerations

17:15 – 17:35 **José Cunha-Vaz / Coimbra**
Characterization of phenotypes of diabetic retinopathy

17:35 – 17:55 **Tadeusz Sarna / Krakow**
The role of lipofuscin in chronic phototoxicity of the retina

17:55 – 18:30 **Tübingen hot spots (D.Besch/H.Jägle/T.Ladewig/S.Kustermann/U.Schraermeyer)**

18:45 – 22:00 *Dinner*

Saturday, November 5th, 2005**Session III From Gene to eye disease**

Chair: Alan Bird and Yozo Miyake

09:00 - 9:20 **Shomi Bhattacharya / London**
Molecular genetics of retinitis pigmentosa

09:20 – 09:40 **Alan Bird / London**
Autofluorescence and AMD

09:40 – 10:00 **Alan Wright / Edinburgh**
Sub-RPE deposit formation resulting from mutation in the short-chain collagen C1QTNF5 – a model for age-related macular degeneration

10:00 – 10:20 **Yozo Miyake / Nagoya-shi**
Some new definitions of hereditary retinal diseases

10:20 – 10:45 **Tübingen hot spots (B.Wissinger/S.Kohl/M.Seeliger)**

10:50 – 11:20 *Coffee break*

Session IV Neuro-ophthalmology: The detective story

Chair: Neil Miller and Avinoam Safran

11:20 – 11:50 **Neil Miller / Baltimore**
The effects of Vigabatrin and Tiagabine on the eye

11:50 – 12:10 **Avinoam Safran / Genf**
Brain plasticity following lesions in visual pathways. Clinical implications

12:10 – 12:30 **Jonathan Horton / San Francisco**
Cortical mechanisms of strabismus

12:30 – 12:50 **Ulf Eysel / Bochum**
2D-representation of cortical activation caused by retinal implants

12:50 – 13:15 **Tübingen hot spots (U.Schiefer/A.Werner/H.Wilhelm/)**

Each contribution:

- 15 min. oral presentation + 5 min. discussion
- Tübingen hot spots: 7 min.

Organization committee

Ulrich Schiefer (coordination)

Elisabeth Nestler

Doina Ruppert

Helmut Wilhelm