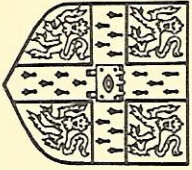


*19 Watson*

XXVII CAMBRIDGE  
OPHTHALMOLOGICAL SYMPOSIUM



1997  
11th and 12th September

St. John's College, Cambridge  
Academic Organiser: Mr A T Moore

Twenty Seventh Cambridge Ophthalmological Symposium

**THE PHOTORECEPTOR**

11th and 12th September, 1997

Chairman: Professor John Marshall

**WEDNESDAY 10th SEPTEMBER**

18.30 Wine Reception in the Fisher Foyer

**THURSDAY 11th SEPTEMBER**

09.00 Introduction

09.15 The retinal pigment epithelium as a regulator  
of retinal development

G Jeffrey  
London

09.45 The photoreceptor mosaic

P Ahnelt  
Vienna

10.15 Imaging photoreceptors in vivo

D Williams  
Rochester

10.45 Coffee

11.15 The structure of opsin

G Schertler  
Cambridge

11.45 How rhodopsin's catalytic activity in the visual  
process is controlled

D Baylor  
Stanford

12.15 Molecular basis of dark adaptation in rod  
photoreceptors

T Lamb  
Cambridge

12.45 Lunch

14.00 What happens at the photoreceptor RPE interface

J Marshall  
London

14.30 Post-Golgi trafficking of rhodopsin in retinal photoreceptors

D Derehic  
Ann Arbor

15.00 Molecular genetics of human retinal dystrophies

C Inglehearn  
London

15.30 Tea

16.00 Electrophysiological investigation of human retinal disorders

E Zrenner  
Tubingen

16.30 The mechanism of photoreceptor dysfunction in human retinal dystrophies

A V Cideciyan  
Philadelphia

17.00 Close of Session

19.45 CONFERENCE DINNER IN ST JOHN'S COLLEGE HALL  
- After Dinner, there will be a recital.

12.00 Photoreceptor rescue

P Luthert  
London

12.30 Lunch

14.00 Is retinal transplantation an effective treatment for inherited retinal dystrophies?

R Lund  
London

14.30 Gene therapy

R Ali  
London

15.00 Tea

15.30 An artificial retina

M Humayun  
Baltimore

16.00 Management of photoreceptor dystrophies: present and future

A Bird  
London

16.30 Closing remarks

*15 minutes discussion time is allocated for each presentation*

### FRIDAY 12th SEPTEMBER

09.00 Evolution of colour vision in vertebrates

J Bowmaker  
London

09.30 What is the function of the cones at the ora serrata

J Mollon  
Cambridge

10.00 The cone dystrophies

A T Moore  
Cambridge

10.30 Coffee

11.00 Animal models of human retinal dystrophies

S Petersen-Jones  
Cambridge

11.30 The dystrophic retina in multisystem disorders

R Weleber  
Portland, Oregon